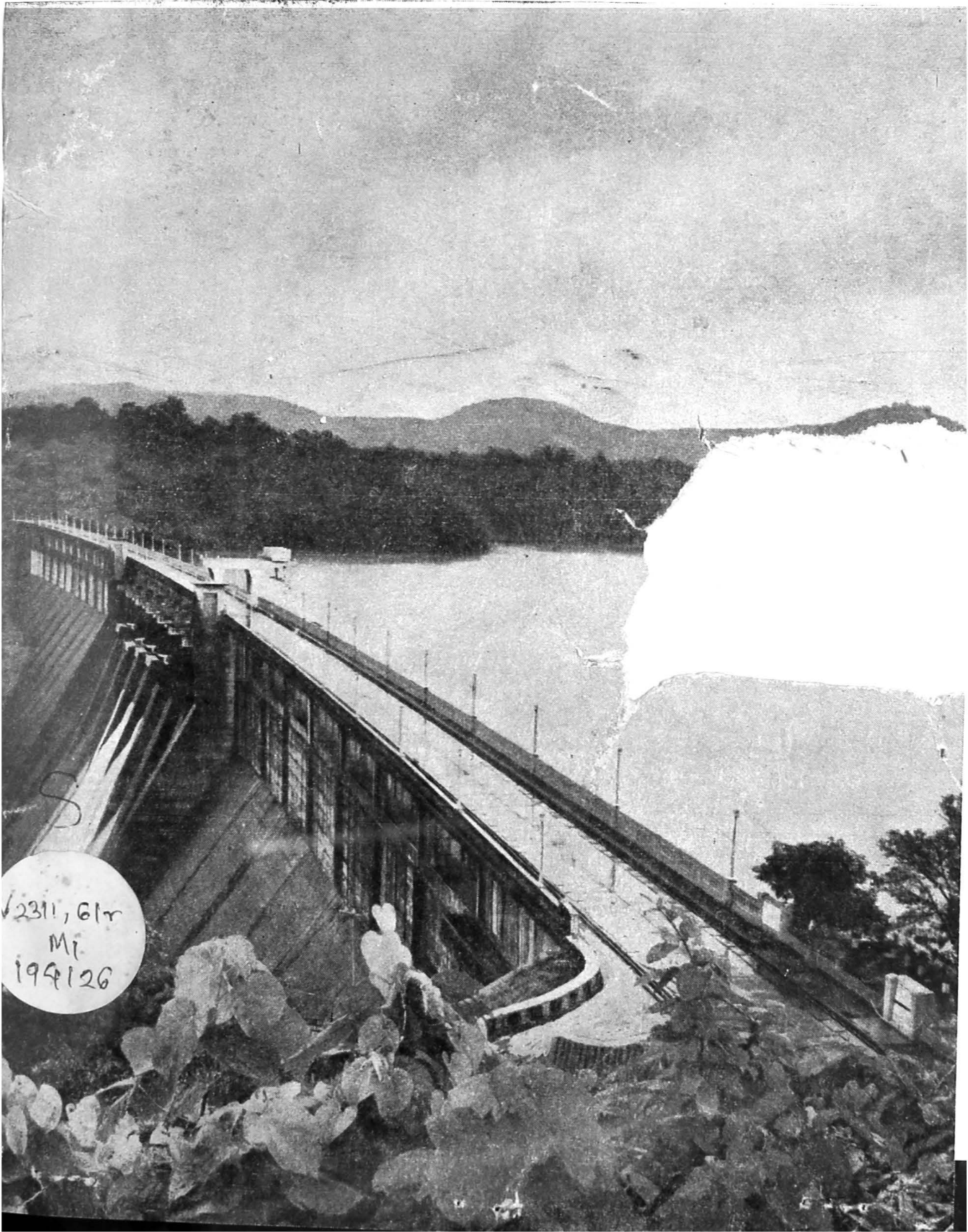


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Administration Report of the Municipal Commissioner for Greater Bombay 1980-81

City, Suburbs and Extended Suburbs



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**Administration Report of
the Municipal Commissioner
for Greater Bombay
1980-81**

City, Suburbs and Extended Suburbs

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**ADMINISTRATION REPORT OF
MUNICIPAL CORPORATION OF GREATER BOMBAY
FOR THE YEAR 1980-1981**

I present herewith the administration report for 1980-81 in fulfilment of the requirements of section 124 of Bombay Municipal Corporation Act.

The year saw one of the most important events in a decade the conducting of the population census. The census revealed that we in Greater Bombay now number over 82 lakhs, an increase of over 39 percent during the last decade. This has surpassed the most liberal population estimates projected by demographic planners. This runaway population rise is the single most crucial factor posing the biggest challenge to us in regard to the maintenance of civic services at a satisfactory level. It has, of course, not weakened our resolve to meet the challenge by optimising output through various productivity techniques.

With increased outlays for various projects, the construction activity was expected to be in full swing. The grossly inadequate supply of cement, however, slowed down the tempo of many of our works. The situation has no doubt lately improved with assurances of better availability from the State and Central Governments. We, therefore, hope to minimise the delay in completion of projects and in extending their benefits to our citizens at the earliest.

The raging inflation has also contributed its share in aggravating the situation. Our efforts towards improvement of the quality of life of the people of Bombay will, however, continue unabated.

D. M. SUKTHANKAR,
Municipal Commissioner
for Greater Bombay.

GENERAL

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

CORPORATION :

Shri B. H. Shete, who was elected Mayor at the First Meeting of the Corporation held on 3rd April 1980, held that office throughout the year.

One hundred and seventy-nine Meetings of the Corporation, including fifty-nine Special Meetings and Adjourned Special Meetings, one hundred and eight Meetings of the Special Committees and thirteen meetings of the Consultative Committees were held during the year.

No change took place in the membership of the Corporation during the year.

STANDING COMMITTEE :

Shri V. G. Dharap, who was appointed Chairman of the Standing Committee at their Meeting held on 5th April 1980 held that office throughout the year.

Shri R. T. Kadam was elected on 6th May 1980 vice Shri B. H. Shete resigned.

One hundred and forty-four meetings, including one hundred twenty-nine Regular and Adjourned Meetings and fifteen Special Meetings and Adjourned Special Meetings, were held during the year. No Meeting of the Sub-Committee was held during the year.

IMPROVEMENTS COMMITTEE :

Shri K. B. Thanekar, who was appointed Chairman of the Improvements Committee at their Meeting held on 8th April 1980, held that office throughout the year.

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

Fifty-seven Regular and Adjourned Meetings were held during the year. No meeting of the Sub-Committee was held during the year.

EDUCATION COMMITTEE :

Shri M. C. Parekh, who was appointed Chairman of the Education Committee at their Meeting held on 5th April 1980, held that office throughout the year.

Shri K. G. Jilani resigned from 27th February 1981. No member was appointed in place of Shri Jilani during the said period.

Forty-one Meetings, including thirty-five Regular and Adjourned Meetings and six Special Meetings, and Adjourned Special Meetings, were held during the year. Two Meetings of the sub-Committee were held during the year.

TREE AUTHORITY:

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

Five meetings of the Tree Authority were held during the year.

Shri K.N. Kolhatkar, B. A. (Hons.), continued to hold the post of Municipal Secretary during the year under Report.

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

There was no separate Award or Adjudication during the year 1980-81 so far as this department is concerned.

LIST OF MEMBERS WHO HELD OFFICE AS ON 31ST MARCH 1981.

CORPORATION

SHRI B. H. SHETE, *Mayor.*SHRI V. G. DHARAP, B.A. LL.B. *Chairman, Standing Committee.*SHRI K. B. THANEKAR, *Chairman, Improvements Committee.*SHRI M. C. PAREKH, *Chairman, Education Committee.*SHRI M. H. BEDI, *Chairman, B.F.S. & T. Committee.*

AMIN, SHRI B.H.	PARMAR, SHRI N.D.
ACHARYA, SHRI S.N.	PARIHAR, SMT. PARVATI L.
ANKLESWARIA, SHRI R.C., B.SC., B.T., S.T.C., M.Ed.	PAWAR, SHRI N.B., B.A., LL.B., ADVOCATE, HIGH COURT.
AMBRE, SHRI S.S.	PARVATKAR, SHRI V.M.
OOMMACHEN, SHRI C.D.	PATIL, SHRI A.W.
KADAM, SHRI P.R.	PATIL, SHRI J.M.
KADAM, SHRI R.T.	PATIL, SHRI B.H.
KAVTHE, SHRI M.N.	PATIL, SMT. MANORAMA D.
KAZI, PROF. A.A., M.A., LL.B.	PAREKH, SHRI P.R.
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.	BACCHAV, 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.
GJMAL, SHRI G.D.	BHAVE, SHRI M.G.
GAIKWAD, SHRI V.B.	BHUIBAL, SHRI C.C., L.M.E.
GAWDE, SHRI B.R.	MERCHANT, SHRI Y.M.
GOYAL, SMT. CHANDRAKANTA V.	MADHUKUNTA, SHRI D.K.
GAMBHIR, SHRI S.A.	MAYEKAR, SHRI R.S.
GANDHI, SHRI V.R.	MAHAJAN, DR. (SMT.) BAKHTAVER S.
CHATURVEDI, SHRI M.M.	MAHADIK, SHRI V.S., B.A. (HONS.), L.S.G.D.
CHAVAN, SHRI M.G.	MAHALKARI, SHRI G.G.
CHAVAN, SHRI R.N.	MANE, SHRI A.G.
CHAVAN, SHRI S.S.	MANJREKAR, SHRI V.S.
CHAVAN, SHRI S.B.	MAJMUNDAR, DR. S.R., G.F.A.M.
CHAPHEKAR, SHRI A.M.	MULKAWAD, 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 C.S., B.COM., F.C.A.
CHADDA, SHRI V.M.	MEHTA, SHRI RUSI M.
CHHABRIYA, SHRI K. P.	MHATRE, SHRI P.A.
JADHAV, SHRI B.K.	YADAV, SHRI B.M.
JADHAV, SHRI L.M.	RANE, SMT. SUGANDHA M.
JANI, SHRI D.D., B.A., LL.B.	RAO, SHRI SHARAD.
JEELANI, SHRI K.G.	LAUD, SHRI R.P.
ZARAPKAR, SHRI D.G.	WAGLE, SMT. PUSHPALATA M.
ZUTE, SHRI B.D.	WAGHELA, SHRI R.Z.
THAKARE, SHRI G.S., B.COM.	VANU, SHRI NIYAZ A.L.
D'CRUZ, SHRI C.R.	WELKAR, SMT. ASHA S.
D'MELLO, SHRI V.C.	VAIDYA, SHRI P.V., B.A., LL.B., Advocate,
TANNA, SHRI J.M.	SHARMA, SHRI P.S.
TARIQ, SHRI S.A.	SHAH, SHRI N. M.
DALAL, SHRI B.C.	SHAH, SHRI R.S.
DALVI, SHRI V.S.	SHAH, SHRI H.G.
DABHOLKAR, SHRI A.K., B.SC., LL.B.	SHIRKE, SHRI G.G.
DUTIA, SHRI G.B.	SHETTY, SHRI K.D.
DUBE, SHRI O.M.	SHETTY, SHRI S.B.
DUBE, SHRI R.M.	SHETTY, SHRI S.C.
DESAI, SMT. ALKA A., S.T.C., T.D.	SHETTY, SHRI R.J.
NARE, SHRI D.B.	SHETH, SHRI G.H.
NALAWDE, SHRI DATTA.	SHELAR, SHRI K.B.
NAIK, SHRI B.A.	SHELAR, SHRI B.S.
NAIK, SHRI M.R.	SHRINGI, DR. V. G., M.A.M.S. (DELHI).
NARVEKAR, SHRI S.M.	SAMANT, DR. (SMT.) VINITA D.
NIKLANKAR, SHRI P. D.	SOOFI, SHRI A.R.
NEVREKAR, SHRI K.R.	SING, SHRI R.R.
PATEL, SMT. INDUMATI T., B.A.	SEHGAL, SHRI P.H.
PATEL, SHRI M. H. S.	SAYYAD, SHRI M.H.
PATEL, SHRI S.S.	SONAWANE, DR. (SMT.) SHALINI M., M.B., B.S.
PATHAN, SHRI M.M.	SOLANKI, SHRI T.G.
PADWAL, SHRI C.S.	SANGHAVI, SHRI R.J., B.SC., (HONS.),
PADWAL, SHRI R.V.	SHRI S. RAMCHANDRAN.
PADWAL, SHRI H.P.	

LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31ST MARCH 1981

SHRI V. G. DHARAP, [Chairman].

KOPARDE, SHRI E.R.
 KHADYE, SHRI V.P.
 DUBE, SHRI R.M.
 DESAI, SMT. ALKA A.
 NEVREKAR, SHRI K.R.
 PAREKH, SHRI M.C. (*ex-officio*)
 PASHTE, SHRI A.P.
 PAI, DR. P. S.

PRABHOO, DR. R. Y.
 BHUIBAL, SHRI C.C.
 MAJMUNDAR, DR. S.R.
 MEMON, DR. A. U.
 SHARMA, SHRI P.S.
 SHELAR, SHRI B.S.
 SOLANKI, SHRI T.G.
 KADAM, SHRI R. T.

**LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE
AS ON 31ST MARCH 1981.**

SHRI K. B. THANEKAR. [Chairman],

ANKLESWARIA, SHRI R.C.
AMBRE, SHRI S.S.
KHANDWANI, SHRI M.A.
TANNA, SHRI J.M.
DUTIA, SHRI G.B.
PATEL, SMT. INDUMATI T.
PARVATKAR, SHRI V. M.
PRADHAN, SHRI D. S.

FALNIKAR, SMT. NEELA V.
BARIA, SHRI N.K.
MAYEKAR, SHRI R.S.
MANJREKAR, SHRI V.S.
SHAH, SHRI R.S.
SEHGAL, SHRI P.H.
SONAWANE, DR. (SMT.) SEALINI M.

**LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE
AS ON 31ST MARCH 1981.**

SHRI M. C. PAREKH [Chairman],

KAZI, PROF. A.A.
KUNTE, SHRI P.K.*
GAWDE, SHRI B.R.
CHAVAN, SHRI R.N.
CHAVAN, SHRI S.B.
JEELANI, SHRI K.G.
JOSHI, SHRI RAMESH G.*
TARIQ, SHRI SHAMIM AHMAD.

DABHOLKAR, SHRI A.K.
DESAI, SHRI R. D.*
NAIK, SHRI B. A.
PAWAR, SHRI NAGESH B.
BORICHA, SHRI P.H.*
MHATRE, SHRI P.A.
SAMANT, DR. (SMT.) VINITA D.

* Non-Councillor Members.

**LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE AS ON
31ST MARCH 1981.**

SHRI B. H. SHETE, [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.
BHAVE, SHRI M. G. [Ch. M. & G. C.]

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

† Non-Councillor Members co-opted by the Tree Authority.

MUNICIPAL COMMISSIONER'S OFFICE

The designation and names of the officers holding the post of Municipal Commissioner, Dy. Municipal Commissioner etc., together with the period from which the posts were held by each of them are given below :—

Sr. No.	Designation	Name of the office and qualifications	Period		Remarks
			From	To	
1	Municipal Commissioner.	Shri B. K. Chougule, B.A. (Hons.) LL.B., I.A.S.	1-4-80	31-3-81	
2	Dy. Municipal Commissioner (Special Engineering)	Shri V. D. Desai, B.E. (Civil) M. E. (P. H. Calcutta with 1st Class A.M.I.E. (India).	1-4-80	31-12-80	(1) on deputation to U. S. A. from 12-9-80 to 2-10-80 i.e. for discussion with World Bank Authorities for Financing loan to Water Supply Scheme. (2) Superannuated from Municipal Service from 1-1-1981 (before noon).
3	Dy. Municipal Commissioner (Personnel)	Shri V. D. Vaidya, B.A. (Spl.) M.Com.	1-4-80	31-3-81	Appointed as Special Officer (Census) for Census work held during year 1980-81.
4	Dy. Municipal Commissioner (Engineering)	Shri J. R. Patwardhan, B.E. (Civil), M.E. (P.H.) A.M.I.E.	1-4-80	31-3-81	Shri J. R. Patwardhan holds entire charge of Engineering Unit including Water Supply and Sewerage Project from 1-1-1981. Deputed to attend the 1st Global Conference on the 'Future' held at Toronto Canada from 17-7-80 to 2-8-80 (both days inclusive).
5	Dy. Municipal Commissioner (Improvements).	Shri P. P. Kamdar, B.A. (Spl.) B. Com., LL.B.	1-4-80	31-3-81	Appointed as D.M.C. (Impts.) from 1-4-1980.
6	Dy. Municipal Commissioner (Zone-I).	Shri S. V. Gambhir, A.M.I.E.	1-4-80	31-3-81	Appointed as D.M.C. (Z-I) from 1-4-1980.
7	Dy. Municipal Commissioner (Zone-II)	Smt. Kumud Bansal, M.A., I.A.S.	1-4-80	31-3-81	
8	Dy. Municipal Commissioner (Zoi & III).	Smt. K. S. Kadam, B.A., LL.B.	12-4-80	31-3-81	Appointed as Dy. Municipal Commissioner (Z-III) from 12-4-1980.
9	Dy. Municipal Commissioner (Zone-IV)	Dr. K. K. Soman, M.B.B.S., D.P.H., D.I.H.	1-4-80	31-3-81	Appointed as Dy. Municipal Commissioner (Z-IV) from 1-4-1980.
10	Dy. Municipal Commissioner (Zone-V)	Shri G. A. Prabhuchimulkar B.E. (Civil) IInd Class A.M. I.E.	1-4-80	31-3-81	

Other Heads of Department

Sr. No.	Designation	Name of Officer and qualifications	Period		Remarks
			From	To	
1	Personal Secretary to the Municipal Commissioner.	Shri D. A. Pinto, M.A., LL.B., L.S.G.D.	1-4-1980	31-3-81	
		Shri D. D. Alekar, B.sc. (Hons.), L.S.G.D.	14-7-80	11-10-80	Looking after the duties of W. O. (Oe P. S. to M.C.) on charge allowance basis. 14-7-1980 to 11-10-1980 during the leave period of Shri D. A. Pinto.
2	Personal Assistant to the Municipal Commissioner.	Shri D. D. Alekar, B.sc. (Hons.), L.S.G.D.	1-4-80	31-3-81	
3	Organization and Methods Officer.	Shri M. P. Patil, M.A., L.S.G.D., Pravin.	1-4-80	31-3-81	
4	Committee Officer.	Shri S. G. Chandorkar, Matric, L.S.G.D., L.G.S. Hindi Uchha Padvi.	1-4-80	31-3-81	
5	Municipal Medical Examiner (Full-time)	Dr. M. L. Joshi, M.B.B.S., M.D.D.C.H.	1-4-80	31-3-81	
6	Lady Municipal Medical Examiner (Part-time).	Dr. M. L. Joshi, M.B.B.S., M.D., D.C.H.	1-4-80 16-1-81	30-6-80 27-2-81	Dr. M. L. Joshi, M.M.E. was asked to look after the duties of L.M.M.E.
		Dr. (Smt.) S. P. Shroff, M.B.B.S.	1-7-80	16-1-81	Appointed as L.M.M.E. from 1-7-1980.
		Dr. (Smt.) P. K. Bhojwani, M.B.B.S.	27-2-81	4-3-81	
		Dr. (Smt.) S. R. Panjwani, M.B.B.S.	5-3-81	31-3-81	
7	Executive Engineer (Vig.)	Shri S. K. Dharap, B.E. (Civil)	1-4-80	31-3-81	
8	Special Officer for Backward Class Cell.	Shri G. B. Prasad, B.Com. LLB.	1-4-80	31-3-81	
9	Administrative Officer (Personnel)	Shri G. N. Jambhekar, Matric, L.S.G.D.	1-4-80	30-11-80	
		Shri N. V. Belsare, B.A., L.S.G.D.	11-7-80	2-12-80	Shri N. V. Belsare was asked to look after the duties of Administrative Officer (P) during the leave period of Shri Jambhekar.
		Shri Y. P. Donde, Matric, L.S.G.D.	3-12-80	31-3-81	Appointed as Administrative officer (P) in place of Shri G. N. Jambhekar transferred.

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., throughout the year.

Other Heads of the Department

Sr. No.	Designation	Name of the officer & qualifications	Period		Remarks
			From	To	
1	City Engineer.	Shri S. M. Parulkar, B.E. (Civil), A.M.I.E.			Throughout the year.
2	Chief Accountant.	Shri M. V. Kanekar, B.Com. F.C.A.			Throughout the year.
2A	Ag. Jt. Chief Accountant.	Shri R. B. Desai, B.A. (Spl.), B.Com.	1-4-80 14-3-81	11-2-81 31-3-81	On Earned Leave for 30 days from 12-2-1981 to 13-3-1981.
		Shri S. B. Munj, B.A., L.G.S.	12-2-81	13-3-81	Jt. C.A. I/c. Looked after the work Shri R. B. Desai in addition to his own.
3	Hydraulic Engineer	Shri K. D. Mulekar, B.E. (Civil), M.E.(P.H.)			Throughout the year Except his leave period from 21-4-80 to 20-5-80 with L.T.A. benefit. No substitute arrangement was made and work was managed departmently.
4	Ex. Health Officer.	Dr. M. N. Gurnani, M.B.B.S., D.P.H.			Throughout the year.
5	Dean K. E. M. Hosp. & Seth G. S. Medical College.	Dr. C. K. Deshpande, M.D. (Path), F.R.C. (Path).	1-4-80 10-5-80 21-2-81	24-4-80 8-2-81 31-3-81	
		Dr. G. B. Parulkar, Prof., Director of Surgery, M.S., F.A.C.S., F.A.M.S.	25-4-80 9-2-81	9-5-80 20-2-81	
		Dr. (Smt.) S. S. Satoskar, Asstt. Dean; M.B.B.S.	9-2-81	20-2-81	
6	Dean, B. Y. L. Nair Charitable Hospital and T. N. M. College	Dr. M. S. Kekre, M.B.B.S., M.Sc., (Med.). Dr. J. V. Bhatt., M.D.	1-4-80 1-1-81	31-12-80 31-3-81	
7	Dean, L. T. M. G. Hospital and L. T. M. M. College.	Dr. J. V. Bhatt, M.D.	1-4-80	31-12-80	Transferred as Dean to B. Y. L. Nair Ch. Hosp. from 1-1-81.
		Dr. M. B. Kher. M. B. B. S., M. SC., (Med.)	1-1-81	31-3-81	Dean L. T. M. G. Hospital I/c.
8	Dean, Nair Hosp., Dental College.	Dr. S. T. Talim, M.D.S.			Throughout the year.
9	Chief Fire Officer.	Shri L. S. D. Mehervanjer, Senior Cambridge.			Throughout the year.
10	Medical Superintendent (G.T.B. Hosp.)	Dr. A. P. Rao, M.D., T.D.D., F.C.C.P.(USA), M.I.P.H.A. (Cal.).			Throughout the year except the leave period from 10-11-80 to 22-11-80. No substitute arrangement was made. Work was managed departmently.
11	Assessor and Collector	Shri S. S. Murkute, B.Com., LL.B., L.S.G.D.			Throughout the year.
12	Education Officer.	Smt. K. N. Kamat, M.A., M.Ed.			Throughout the year.
31	Sr. Ward Off. or (Law Officer)	Shri S. N. Phadke, B.A., LL.B.			Throughout the year

Sr. No.	Designation	Name of the officer & qualifications	Period		Remarks
			From	To	
14	Chief Engineer (Water Supply Project).	Shri T. M. Kandavala, B.E. (Civil), F.I.E. (India). Shri D. S. Deshpande, B.E. (Civil), A.M.I.E.	1-4-80 to 16-11-80 17-12-80 to 31-3-81 17-11-80 to 16-12-80		On leave for 30 days from 17-11-80 to 16-12-80. Chief Engineer (Water Supply Project) in charge.
14A	Chief Engineer (Sewerage Project)	Shri G. P. Khambati, B. E. (Civil), A.M.I.E., M.E.(P.H.)			Throughout the year.
14B	Chief Engineer (Common Services)	Shri B. R. Gole, B.E. (Civil) (Hons.), M.I.E. (India), M.I. W.W.A., A.M.A.W.W.A., M.I.A.W.P.C. Fellow F.D.I. (Washington). Shri J. D. Pradhan B. E. (Civil), A.M.I.E.	1-4-80 to 1-3-80 8-6-80 to 31-3-81 2-5-80 to 7-6-80 1-4-80 to 26-5-80		Chief Engineer (Common Service) in charge.
15	Controller of Stores	Shri C. H. Khubchandani, B.E. (Civil), M.I.E. Shri B. M. Jog, B.A.	1-4-80 to 26-5-80 1-8-80 to 31-3-81 28-5-80 to 31-7-80		Worked as controller of Stores in Charge.
16	Supdt. of Markets and Slaughter Houses	Vacant.			Throughout the year.
16A	General Manager, Deonar Abattoir	Dr. D. M. Bailur, B.sc., (Vet.), M.R.C.V.S. (London)			Throughout the year.
16B	Ward Officer (Markets).	Shri A. Y. Kulkarni, B.E. (Civil).			Throughout the year.
17	Administrative Officer (Enq.)	Shri K. R. Dixit, B.A., L.G.S., D.I.A.S. Shri G. S. Karve, B.A., LL.B.	1-4-80 to 26-6-80 29-6-80 to 31-3-81 3-6-80 to 28-6-80		Administrative Officer (Enq.) in charge.
18	Security Officer.	Shri G. H. Salunke, B.A. (Spl.)			Throughout the year
19	Sr. Ward Officer (Estates).	Shri N. N. Lalit B.A.(Hon.)			Throughout the year.
20	Labour Officer.	Shri G. S. Saudagar, B.A. (Hons.), LL.B., D.L.W.			Throughout the year.
21	Public Relations Officer and Editor Bombay Civic Journal	Shri K. T. Pandit, M.A.			Throughout the year.
22	Dy. Accessor and Collector (Octroi).	Shri G. P. Parulkar, M.A., B.sc. (Hons.).			Throughout the year.
23	Supdt. of Licences i/o.	Shri D. N. More, B.A., LL.B., L.G.S.			Throughout the year.
24	Supdt. of Gardens	Shri J. C. Garkhel, B.sc. (Hons.), Agriculture.	1-4-80 to 2-6-80 and 3-7-80 to 27-9-80 (with permission to join sunday, the 28th Sept.' 80) and 25-10-80 to 31-3-81		On leave for 30 days from 3-6-80 to 2-7-80 out for 26 days from 29-9-80 to 24-10-80.
	Dy. Supdt. of Gardens	Shri P. J. Gore, B.sc. (Hons) Botany	3-6-80 to 2-7-80 29-9-80 to 24-10-80		Looked after the work during the leave period of Shri J. C. Garkhel.
25	Research Officer	Smt. S. V. Desai, B.A.(Hons), M.Ed. (Bombay) M.A. (Lond) Smt. H. I. Daftary, B.sc., M.Ed.	1-4-80 to 4-5-80 14-8-80 to 31-3-81 3-5-80 to 13-8-80		Worked as Research Officer in charge.

Sr. No.	Designation	Name of the Officer & qualifications	Period From	To	Remarks
26	Manager, Municipal Printing Press.	Shri M. W. Bagul, Diploma in P.T.G.,	1-4-80	8-2-81	Worked as Manager Municipal Printing Press in charge.
		Shri M. M. Kamat, P.T.G., D.B.M.	9-2-81	31-3-81	
27	Asstt. Medical Officer (E.N.T. Hospital).	Dr. (Smt.) S. C. Basrur, M.B.B.S., D.G.O.			Throughout the year.
28	Curator, Dr. Bhau Daji Laud Museum & Chief Librarian.	Shri V. N. Barve, B.A. (Hons.), L. S. G. D., Hindi Pravin.	1-4-80	20-10-80	On Earned Leave from 21-10-80 to 2-11-80
		Shri R. A. Jadyar.	21-10-80	2-11-80	Looked after the work Chief Librarian in addition to his own.
		Shri S. R. Jadhav	21-10-80	2-11-80	Looked after the work Curator of Museum in addition to his own.
29	Manager, Mahatma Gandhi Memorial Olympic Swimming Pool.	Shri S. N. Pinge	1-4-80	31-8-80	Retired from 1-9-80.
		Shri P. K. Hirlekar, B.A., L.S.G.D.	20-9-80	31-3-81	Appointed from 20-9-1980.
30	Manager, Raja Baldeodas Birla Kreedha Kendra.	Shri V. V. Kulkarni	1-4-80	30-6-80	
		Shri J. S. Satam, B.A.(Hons)	1-7-80	31-3-81	
Suburbs and Extended Suburbs.					
1	Dy. Ex. Health Officer.	Dr. G. M. Adwani, M.B.B.S., D.P.H.			Throughout the year.
1A	Dy. Ex. Health Officer (W.S.)	Dr. S. S. Sabnis, M.B.B.S.			Throughout the year.
2	Dy. Accountant (Subs.).	Shri S. M. Chandekar, B.COM.	1-4-80	27-3-81	On Earned leave for 4 days from 28-3-81 to 31-3-81.
		Shri S. M. Munj, B.A., L.S.G.D., L.G.S.	28-3-81	31-3-81	Looked after the work of Shri Chandekar in addition to his own duties without charge allowance for 1/2 day daily.
3	Dy. Assessor and Collector (Eastern Subs.)	Shri M. M. Nijasure, B.A., L.S.G.D.	1-4-80	22-5-80	Looked after the work Dy. A. & C. (Eastern Subs.)
		Shri V. R. Soman	23-5-80	27-8-80	Dy. Assessor & Collector (Eastern Subs.)
		Shri B. B. Pol B.A. (Spl.), L.G.S.D.	28-8-80	9-9-80	Appointed Dy. A. C. (E. S.) in charge.
			10-9-80	31-3-81	
4	Dy. Assessor and Collector (Western Subs.)	Shri M. M. Nijasure, B.A., L.S.G.D.	1-4-80	31-3-81	Throughout the year.
5	Dy. Supdt. of Markets (Eastern Subs.)	Shri N. V. Prabhu.	1-4-80	1-5-80	
		Shri M. D. Collaco.	2-5-80	31-3-81	Post of A. S. M. (E.S.) and A. S. M. (W.S.) Converted into Dy. S. M. (ES) & Dy. S.M. (W.S.) from 1980.
6	Dy. Supdt. of Markets (Western Subs.)	Shri P. A. Tawade.	1-4-80	31-3-81	

Ward Officer upto 31-3-1981

Serial No.	Name	Designation	Remarks
1	Shri S.M. Taraporewala	.. Sr. Ward Officer	
2	Shri A.D. Doctor	.. .. Do.	
3	Shri N.G. Kabe	.. .. Do.	
4	Shri S.N. Phadke	.. .. Do.	
5	Smt. K.S. Kadam	.. .. Do.	Appointed as Ag. D.M.C. from 12-4-1980.
6	Shri M.P. Nerkar	.. .. Do.	
7	Shri V.G. Godambe	.. .. Do.	
8	Shri R.R. Desai	.. .. Do.	
9	Shri S.G. Gavankar	.. .. Do.	
10	Shri S.C. Malgaonkar	.. .. Do.	
11	Shri N.N. Lalit	.. .. Do.	
12	Shri D.A. Pinto	.. .. Ag.Sr.W.O.from 13-10-80 to 31-3-1981.	Working as Personal Secretary to the Municipal Commissioner.
13	Shri R.B. Shirkolkar	.. .. Sr. Ward Officer	As Sr. W.O. from 1-10-80 to 31-10-80. Ret red from Munl. Service from 1-11-80.
14	Shri S.B. Muthalia	.. .. Ward Officer	
15	Shri S.K. Desai	.. .. Do.	
16	Shri K.M. Joglekar	.. .. Do.	
17	Shri M.B. Nirgudkar	.. .. Do.	
18	Shri G.R. Khairnar	.. .. Do.	
19	Shri D.R. Talkar	.. .. Do.	
20	Shri A.N. Dube	.. .. Do.	Appointed as Ward Officer from 20-3-1981.
21	Shri R.D. Koli	.. .. Do.	
22	Shri Y.A. Nadkar	.. .. Do.	
23	Shri R.B. Shirkolkar	.. .. Do.	As Ward Officer from 1-4-80 to 30-9-1980.
24	Shri V. Balchandran	.. .. Do.	
25	Shri N.B. Salunke	.. .. Do.	
26	Shri C.K. Ghone	.. .. Do.	
27	Shri B.M. Trivedi	.. .. Do.	As W.O. from 1-4-1980 to 30-11-80. Retired from 1-12-1980.
28	M. A. Shaikh	.. .. Ward Officer	Appointed as Ward Officer from 20-3-1981.
29	Shri A. A. Raisinghani	.. .. Do.	W.O. T from 20-3-81 to 31-3-1981.
30	Shri A. A. Raisinghani	.. .. Ward Officer (Slum Z-I).	As W. O. (Slum Z-I) from 1-4-1980 to 19-3-1981.
31	Shri V. S. Jadhav	.. .. Do.	Appointed as Ward Officer from 20-3-1981.
32	Shri V. Balchandran	.. .. Ward Officer (Slums Z-III).	As. W.O. (Slums) from 1-4-1980 to 19-3-1981.
33	Shri I. L. Darji	.. .. Do.	Appointed as W. O. (Slums Z-III) from 20-3-1981.
34	Shri D. A. Pinto	.. .. Ward Officer P.S. to M.C.	As W.O. from 1-4-1980 to 12-10-1980.
35	Shri H. L. Gangwani	.. .. Ward Officer	Working as W.O. to Mayor.

WARD OFFICES.

With a view to render efficient civic 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 of Ward Offices which now number 21. Each ward office is in charge of a Ward Officer who has been delegated wide powers. The citizens can approach to 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 Buildings and Factories as also ensuring adequate water supply; (b) Collection of taxes and rent of Municipal Estates; (c) Regulation of licensable commodities and enforcement of shops and establishment Act; (d) Registration of Births and Deaths, vaccination, maintenance of dispensaries and disposal of refuse; (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 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 including Sundays and Holidays. The total number of complaints registered and followed up during the year under report was 9,115 as against 9792 last year. It worked in close co-operation with the Fire Brigade, Water Supply Control Room and saw that in cases of house collapses and such other emergencies, the Municipal Officers and staff appeared on the scene without any delay. Co-ordination between the heads of the departments was also brought about on such occasions.

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

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

Organization and Methods Division

Organization and Methods Division was set up in the year 1957 with a view to follow up implementation of suggestions made by Industrial Engineers.

During the year under reference this division continued to conduct the following activities.

- (1) Standardization of forms and registers.
- (2) Re-arrangement of Municipal records.
- (3) Case study.
- (4) Methods study.
- (5) Scrutiny of proposals from some of the municipal departments.
- (6) Scrutiny of furniture proposals received from different departments—Ward Offices.
- (7) Submission of consolidated weekly reports received from Heads of Departments and Ward Offices to the Municipal Commissioner.
- (8) Spread of Marathi language in municipal administration. Various steps were taken to accelerate the use of Marathi in the day to day administration.
- (9) Compilation of M. C.'s important Circulars in order to get them printed into separate books.
- (10) Suggestions received from the staff for improvements in Administration were examined and processed.
- (11) Examination of office procedures, methods, etc. and suggesting improvements thereon so as to tone up the administration.
- (12) Inspection of various municipal offices prior to M. C.'s visit thereto. An Inspection Unit has been created for inspection of overall activities of various departments and Ward offices and this Unit is headed by Organisation and Methods Officer (M. C.).
- (13) The following training classes are also conducted :—
 - (1) In-service training classes.
 - (2) Marathi training classes for non-marathi employees.
- (14) The Organisation and Methods Officer serves as a member of the panel set up for recruitments upto clerical level.
- (15) The work of recruitment for the post of Security Guards is also entrusted to this section.

M. P. PATIL,
Organization and Methods Officer,
(Municipal Commissioner's Office).

Public Relations Department And The Bombay Civic Journal

Shri K. T. Pandit, M. A. continued to work as the Public Relations Officer and Editor, Bombay Civic Journal, during the year 1980-81.

The department effected publicity about the various activities and services rendered by different Municipal departments, functioned as a liason between the members of the public and the various civic departments and acted as a clearing house in respect of criticisms 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.

Two Information Counters at the Municipal Head Office buildings, 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 1981 and the Civic Guide 1981 containing useful information on civic affairs were brought out in attractive forms in English and Marathi. Other publications included "Know Your Ward" and the list of "Municipal Officers and Councillors". In addition to this, two special research works on old Bombay (i) Bombay A Photorama, a book with 300 rare and old photographs on the rise and growth of Bombay City from 1661 to 1931 and (ii) Mumbai Nagari, the Centenary Volume of the Corporation written by the renowned historian late Prof. N. R. Phatak, depicting the growth of Bombay in various spheres of life during the last four centuries, were also published by the department. Active cooperation was given to the Municipal Secretary's Department in bringing out the "Municipal Year Book 1980" 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 institutions and individuals all over Greater Bombay.

The high light of the year was that an exhibition of about 300 rare and old photographs on the "Rise and Growth of Bombay City from 1661 to 1931" was held at Jehangir Art Gallery in May 1980. It was highly appreciated by the members of the public. Subsequently, this display has been put up in the form of a permanent exhibition at Dr. Bhau Daji Lad Museum, Byculla.

PRESS RELATIONS

A Press Room equipped with lockers, telephone, typewriter etc. has been provided for the use of the press reporters. During the year, 10 press conferences and 2 press visits to Municipal institutions and installations were arranged for dissemination of information relating to civic services, activities, programmes etc. Press handouts giving information about various civic matters and rejoinders in reply to the criticisms, suggestions etc. appearing in newspapers, were also issued promptly.

SPECIAL ACTIVITIES

The Clean Bombay Green Bombay Campaign was carried out extensively and sustained educative propaganda was undertaken through various media of publicity. Besides, the annual competition for the Mayor's Shield was also organised by this department. In connection with the commissioning of second compartment of Master Balancing Reservoir at Bhandup, necessary arrangements were made by this department for holding the function, transport arrangements for invitees and the press and publicity through newspapers, A. I. R., T. V. etc. Similar arrangements for giving due publicity were made for the operations of Census 1981 and also for 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, Fire Prevention Campaign, Flag Day and also various 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. This being the Silver Jubilee year of the Mayor's Fund, cooperation was given to the Mayor's Fund Committee, in arranging special collection drives for the Fund and in compiling and publishing the Mayors' Fund Souvenir.

BOMBAY CIVIC JOURNAL

Shri K. T. Pandit, M. A., continued to work as Editor, Bombay Civic Journal, in addition to being the Public Relations Officer during the year 1980-81.

Three important civic programmes & projects viz-commissioning of second compartment of the Master Balancing Reservoir, release of the pictorial volume on Old Bombay, called "Bombay-A Photorama", and release of the book 'Mumbai Nagari' written by late Prof. N. R. Phatak, were prominently published during the year under review.

The journal gave wide coverage to the commissioning of the second compartment of the Master Balancing Reservoir at Bhandup Complex. The reservoir is one of the largest reservoirs to be constructed in Asia, with a capacity of 245 million litres. It is an important feature of the Bhatsai Water Supply Project which will augment the city's water supply.

The pictorial book bearing the title 'Bombay-A Photorama' was released by the Mayor in the month of March 1981. The book contains 300 rare & old photographs on the rise and growth of Bombay City from 1661 to 1931. An Exhibition of these old photographs was also held in May 1980 at the Jahangir Art Gallery which was highly appreciated by the members of the public. The journal gave full publicity to this pictorial volume which will serve as reference book to the students of history.

The book entitled 'Mumbai Nagari' was released by late Shri S. K. Patil, Ex-Mayor in the month of March 1981. The book is the Corporation's centenary volume and depicts the growth of Bombay in all spheres of life during the last four centuries. The journal gave full publicity to the release of this important book which gives authentic knowledge to the enlightened readers as to how this city has grown and developed since early times.

The feature entitled 'Roads named & renamed,' was continued during the year under review. The cover pages of the journal were brought out with attractive colours which showed the progress made by the Corporation in various fields of public interest. Efforts were continued to improve the lay-out & contents of the journal.

Special articles written by prominent writers having a bearing on civic life were published in Diwali number of the journal. Other issues of the journal contained publicity of the different projects & programmes undertaken by the Corporation such as Census 1981, Balakotsav, receptions to V. I. P.'s, family welfare programme, Clean Bombay Green Bombay competitions, celebration of World Health Day, Teachers & Nurses Awards, World Environment Day & other subjects of civic interest.

K. T. PANDIT,
M.A.

*Public Relations Officer,
and
Editor, Bombay Civic Journal.*

BACKWARD CLASS CELL

The Backward Class Cell has been created under the control and supervision of D. Municipal Commissioner (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 effectively implemented in the Corporation.

Accordingly, during the year under report, the departments viz. (1) S.O. (2) S. O. F. W. Unit were inspected and the reports pointing out irregularities and lapses were submitted to D. M. C. (P) who directed the departments to take necessary action and report compliance.

The statements showing the position of Backward Class employees and the backlog in recruitment and at the stage of promotion in the departments inspected are at Appendix 1 to 3.

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 the sources from which suitable B.C. candidates could be obtained in case of non-availability of the same inspite of advertising the vacancies. Periodical inspections are taken to see that suggestions, instructions issued at the time of inspection are followed and backlog is wiped out while filling future vacancies by the Department.

Inspection of the departments viz. (1) C. E., (2) C. A. (3) Market Departments etc. is under process.

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. Six monthly reports regarding appointment of Backward Class persons by recruitment and promotion in the Corporation are also submitted to the Corporation.

During the year under report, 180 proposals involving the question of reservation were referred to the cell for advice, scrutiny etc.

95 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 Class) serves as a member on the panel of recruitment of clerks, teachers, Jr. Audit and Accounts Assistant etc.

G. B. PRASAD,
W. O. (Special Officer for
Backward Class).

APPENDIX-1

SECURITY OFFICE

Recruitment as on 1-1-1980

Category	No. of posts Total strength	Reservation as per Roster				Actual position				Backlog.			
		S.C.	S.T.	D.T./N.T.	O.B.C.	S.C.	S.T.	D.T./N.T.	O.B.C.	S.C.	S.T.	D.T./N.T.	O.B.C.
Security Assistant.	42	6	3	2	4	6	..	..	9	..	3	2	5 (Excess)
Security Guards.	2822	367	198	113	282	508	77	6	229	Excess	121	107	53

APPENDIX-2

SECURITY OFFICE

Promotion as on 1-1-1980.

Category	No. of Vacancies Filled in from 23-5-74 to 31-12-79	Reservation as per Roster			Actual Position			Backlog.		
		S.C.	S.T.	D.T./N.T.	S.C.	S.T.	D.T./N.T.	S.C.	S.T.	D.T./N.T.
Asstt. Security Officer	10	2	1	1	1	0	0	1	1	1
Head Security Guards.	16	2	2	1	3	..	..	..	2	1 (1 Excess)

APPENDIX-3.

OFFICE OF THE SPECIAL OFFICER I/C. F. W. UNH .

Recruitment as on 1-1-1980.

Category.	No. of posts Total Strength.	Reservation as per Roster.				Actual position				Backlog.			
		S.C.	S.T.	D.T./N.T.	O.B.C.	S.C.	S.T.	D.T./N.T.	O.B.C.	S.C.	S.T.	D.T./N.T.	O.B.C.
1 Dist M. O. ..	1	..	..	..	..	..	..	..	..	..	..	..	..
2 Statistical Investigator.	1	..	..	..	..	..	..	..	..	..	..	..	..
3 Projectionist's	1	..	..	..	..	..	..	..	..	..	..	..	..
4 Mass education & information-supervisor	1	..	..	..	..	..	..	..	..	..	..	..	..
5 Artist-cum-photographer.	1	..	..	..	..	..	..	..	..	..	..	..	..
6 F. T. M. O.	52	7	4	2	5	1	..	..	6	6	4	2	1 (Ex.)
7 Co-ordinator.	54	7	4	3	6	3	..	..	6	4	4	3	..
8 F. P. W.	53	7	4	3	5	6	..	..	6	1	4	3	1 (Br.)
9 Clerk-cum-St.-K.-cum-Accountant	58	8	5	3	6	4	..	..	6	4	5	3	..
10 Attendant	4	1	1	..	..	3	..	..	1	2	1	..	.. (Excess)

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 the Municipal works of all departments which are in progress to determine whether the works are being executed as per the 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 watch over all technical matters. Besides, the unit examines complaints of technical nature forwarding by the M. C. or received from the Councillors.

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 the 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 1979-80 are as follows :—

(1) Number of visits paid to Municipal Works :—		
(a) Building Construction Works	...	135
(b) Road Construction Works	... ..	166
(c) Water supply and S. D. Works	... ..	115
(d) Slum Improvement Works	... ..	24
(e) P. W. C. Works	... ..	697
(2) Number of final bills checked	... ..	92
(3) Number of Miscellaneous visits	... ..	170
(4) Number of cases investigated and examined, referred on being by the M. C., D. M. Cs., C. E. etc.	... ..	89
(5) Amount recovered from the Civic Contractors by way of detection of excess payment, penalties imposed on sub-standard work, etc. pointed out at the time of checking the works in progress and/or while checking the final bills.		Rs. 3,16,741.24
(6) Recovery of amount of escalation wrongly paid to P. W. Cs. in the year 1976.		Rs. 3,69,264.55

S. K. DHARAP,
Executive Engineer (Vigilance).

LABOUR DEPARTMENT

High Lights : —

(1) Expenditure—					
(i) Establishment	..	..	..	..	Rs. 6,74,630.00
(ii) Other than Establishment...	..	..	..	..	Rs. 3,46,247.31
(2) Recognised Unions	..	..	..	..	40
(3) Joint Councils	..	..	..	..	9
(4) Welfare Centres	..	..	..	..	48
(5) Grievances attended	..	..	..	..	20514
(6) Average daily attendance of Welfare Centre—					
(i) Adults	..	..	..	..	4500
(ii) Children	..	..	..	..	5500

Trade Unions :—

The Trade Union activities among Labour and other Staff members were mostly confined to 40 Unions recognised by the Municipal Commissioner as per rules and covered about 45000 members.

Labour Relations :—

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

(i) Joint Councils : The total number of Joint Councils constituted by the end of the year under report were 9.

(ii) Grievance procedure : A Four stage grievances procedure continued to redress the grievances of the employees in all the Departments. The grievance Committee consists of the representatives of the Labour and the Management which investigate into the grievances of the employees.

(iii) Individual Grievances : Individual Grievances Received from the employees and/or the Unions and their disposal (See Appendix A).

Disputes : Disputes were referred to the Government Labour Officers, the Assistant Commissioner of Labour and the Conciliation Officers Labour Court and Industrial Tribunal during the period (See Appendix 'B')

Scholarships to the Children of the Municipal employees : During the year 1980-81, 510 applications for Scholarship were received in this department out of them 412 applications for scholarship were sanctioned. 228 scholarships were granted to the applicants for higher education and 184 for Secondary Education. The Total amount paid by way of scholarships to the Municipal employees was Rs. 45,240.

Medical Assistance Scheme to the Municipal employees : Under the above scheme 37 deserving employees suffering from T. B. and other disease were given Medical assistance amounting to Rs. 5,505. Under the new scheme for grant of medical assistance during major illness, 4 deserving employees are proposed to be given the medical assistance amounting to Rs. 16,081.65 for the direct dependents of the municipal employees.

A new scheme of granting immediate cash assistance of Rs. 500 each for the direct dependent of the municipal employees who die while in service has been sanctioned by the Corporation vide their Resolution No. 1270 dated the 11th December 1980 and 3 direct dependents of the deceased municipal employees had been given such amount during the year under report.

Inter Ward/Inter Departmental Dramatic Competitions : 20 Departments participated in the Inter Ward and Inter Departmental dramatic competitions held at the Birla Kreed Kendra.

First three dramas were awarded with rotating trophies. Prizes of Rs. 101 each were awarded to the Best, Actor, the Best Actress, the Best Director, the Best Art Director and for the Best lighting arrangement and 35 consolation prizes of Rs. 51 each were awarded for acting. Three consolation prizes were also awarded for the lighting, Direction and setting.

State Dramatic Competition : During the year under report, the Corporation took part in the State Dramatic Competition, as well as Parshwanath Altekar and the Chintamanrao Kolhatkar Dramatic Competition.

Statistical Branch : Statistical Cell collected the statistical information from all the Municipal Departments in respect of quarterly staff position and the Establishment cost thereof.

The income from various Sources and the expenditure towards the various. Services to the city is also collected and furnished to the outside agencies, such as State Governments, Government of India and other metropolis in India on their request.

Recruitment of Telephone Operators' Section :— The Work of recruitment, Promotion, Confirmation of Telephone Operators is entrusted to this department from 1-10-1980.

- (1) 11 Telephone Operators 'B' grade are appointed.
- (2) 4 Telephone Operators 'B' grade are confirmed.
- (3) 12 Telephone Operators 'B' grade promoted as Telephone Operator 'A' grade.

Welfare Branch : 48 Welfare Centres are run by the department during the year under report :—

(i) **Inter Centre Tournaments and Competitions :** Volley Ball, Carrom, Kabaddi, Table Tennis, Boxing Tournaments Best Physique, and Elocution competitions were held during the year. The prizes and certificates were given to the winners.

(ii) **Inter Centre Folk Dance Competitions :** The Competition was held at the open Air Theatre at the Jijamata Udyan and 15 items of Folk Danaces were presented. Two Dance Ballets were also presented.

(iii) **Inter Centre Dramatic Competitions :** Inter Centre Dramatic Competitions were held at the Balgandharva Mandir, Bandra in the month of January 1981 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 and the cash prizes were given to the best Actor, Actress, Supporting actor Actress and Director and 16 Consolation prizes were also given to encourage the artists. Shri Prabhakar Vaidya, the Chairman of L. R. G. P. Committee distributed the prizes.

(iv) **Film Shows :** Documentary and full length films of the educational and social importance were shown daily at different Welfare Centres during the year.

(v) **Daily Attendance :** The average daily attendance of adult and children at the different welfare centres during the year was 4500 adults and 5500 children as against 4000 adults and 5000 children in the previous year.

(vi) **Excursion for Nursing Staff :** The excursion for Nursing Staff was organised in the month of March 1981 to Calcutta and Darjiling. 53 Nurses of different hospitals and Maternity homes participated in the excursion.

(vii) **Band Activities :** Scouts Band is organised at the Walpakhadi Welfare Centre and brass Band is organised at Umarkhadi Welfare Centre.

(viii) **Balwadi :** Four Balwadies are conducted at the Bapty Road, Paltaon Road, Colaba and Chembur during the year under report.

Two Balwadies one Gujarathi and one Marathi are opened during the year 1980 at Gautam Nagar Municipal Conservancy chawls at Dadar. Nearly 260 children of the Municipal employees took advantage of the Balwadies.

(ix) **Different Functions :** Combined Ganpati Festival was organised at K. 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 35 centres and Buddha Jayanti functions were organised at 8 welfare Centres. The National days such as 26th January and 15th August functions were also celebrated at all Welfare Centres.

(x) **Television sets :** 20 Television sets had been provided to 20 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. During the year under report ten more sets were supplied to the ten Welfare Centres.

(xi) **Guiding :** The total strength of the Guides and bulbul section were 1091. The organisation rendered services by maintaining law and order at the time of several public celebration.

(xii) **Yoga Kendra :** A yoga Kendra at Municipal Head Office was conducted for the benefit of Municipal employees. 98 participants have taken advantage of the Yoga Classes during the year under report.

G. S. SAUDAGAR,
Labour Officer.

APPENDIX 'A'

Serial No.	Nature of Cases	Total		Grievances redressed		Non Genuine		Pending cases	
		City	Sub.	City	Sub.	City	Sub.	City	Sub.
1	Recruitment and re-trenchment etc.	3,031	1,201	2,740	1,194	230	5	31	2
2	Promotions, Transfers Confirmation and annual increments	1,022	179	975	174	42	3	5	2
3	Fines, Reversions, Suspensions, Dismissals and other punishments. ...	640	23	602	27	34	..	4	1
4	Delay in payment of wages (wages leave) and allowance ...	675	362	637	360	31	1	7	1
5	Delay in settlement of Provident Fund and other retirement benefits ...	505	94	471	92	25	2	9	..
6	Non supply of equipments & uniforms	348	20	327	15	17	2	4	3
7	Delay in sanctioning leave due ...	703	38	688	35	11	3	4	..
8	House rent, accommodation & transfers of quarters	1,005	36	981	32	14	4	10	..
9	Miscellaneous ...	4,108	1,237	4,056	1,227	43	9	9	1
10	Departmental reference etc. ...	4,090	1,222	4,090	1,207	..	12	..	3
	Total	16,097	4,417	15,567	4,363	447	41	83	13

APPENDIX 'B'

Disputes referred to the Government Labour Officers during year 1980-81.

Serial No.	Name of the Union	Department concerned	Categories attached.	Referred to	Nature of disputes.
1	Individual	.. C. E.	Sr. Steno	Shri Rane Presiding Officer of Labour court.	Shri Bapat for additional increment.
2	Individual	.. S. O.	Security guard	Shri Shinde Presiding Officer of Labour Court.	Approval cases under Section 33(2)(b) of I. D. Act.
3	Individual	.. S. O.	Do.	Do.	Shri Ekbal Munnawar under Section 33(2)(b) of the I. D. Act.
4	Executive Staff Union	F.W. Unit.	Coordinator, Nursing Staff, and Clerk.	Shri Gajre Assistant Commissioner of Labour.	Demands of revision of grades and allowances.
5	Municipal Nurses Association.	Dean(K)	Staff Nurse	A. C. L.	Smt. H. Iwa, reinstatement in Municipal Service.
6	Individual	.. H. O.	Sister (Ag.)	A. C. L.	Reinstatement in Municipal service of Smt. Rajni Karmat
7	Bombay Municipal Fire Services Union.	C.F.O.	Fireman	A. C. L.	Demands of revision of grades and allowances.
8	Individual	.. Dean(N)	Technician	A. C. L.	Reinstatement in Municipal service of Shri Parulkar.

LEGAL DEPARTMENT

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
I—Supreme Court Appeals.	26	13	39	1	38
II—High Court:					
(1) First Appeal :	238	88	326	62	261
(2) Appeals from Order.	193	133	328	141	183
(3) Letters Patent Appeals.	18	243	261	8	253
(4) Civil Applications.	349	9	353	221	137
(5) Civil Revision Applications.	10	9	19	5	14
(6) Special Civil Petition.	65	32	97	14	83
(7) Long Causes Suits.	169	15	124	3	121
(8) Arbitration Suits.	6	1	7		7
(9) Insolvency matters and company petitions	182	4	186		186
(10) Appeals before Division Bench.	72	8	80	11	64
(11) Writ Petitions.	878	246	1124	140	934
(12) Pauper Petitions.	2		2	2	
(13) Notices of Motion.	59	21	80	20	60
(14) Land Acquisition References.	59		59		59
(15) Allahabad High Court Insolvency matter.	1		1		1
(16) Jodhpur High Court Insolvency matter.	1		1		1
III.—City Civil Court :					
(1) Suits filed by the Corporation	32	10	42		42
(2) Suits filed against the Corporation.	1745	1076	2821	573	2246
(3) Miscellaneous Appeals.	86	5	91	8	83
IV.—Small Causes Court :					
(1) Suits filed by the Corporation.	44	6	50	15	35
(2) Suits filed against the Corporation.	133	37	170	21	149
(3) Garnishes notices.	3	2	5	5	
(4) Notices in Suits.	8	26	34	23	11
(5) Full Court Applications		2	2	1	1
(6) Licence Appeals.	129	42	171	44	127
(7) Set-back Appeals.	5	11	16	5	11
(8) Appeals against rateable value.	1674	420	2094	296	1793
(9) References under Section 503 of the B.M.C. Act.	153	27	180	35	145
V.—Labour and Industrial Court :					
(1) Labour Court Applications, Workmen's compensation and Authority under payment of wages Act.	216	190	406	384	22
(2) Motor Accidents	74	14	88	24	64
VI.—Police Court :					
(1) Cases under B.M.C. Act. in M. M's courts*	52269	25266	77575	25376	52199
(2) I. P. C. cases.	3	7	10	3	7
(3) P. F. A. cases.	81	104	185	28	157
(4) Traffic cases.	3	11	14	5	9
(5) Cruelty to Animals Act.		1	1	1	
(6) Cases under Section 515 of the B.M.C. Act.	11	18	29	5	24
(7) Lunatic matters in Bombay and Poona.	5	6	11	3	8
(8) Charity Commissioner Matters.		1	1		1
(9) Co-operative Court matters.	1	2	3	1	2
(10) Supreme Court Appeals.	1		1		1
(11) Contested cases under B. M. C. Act.	6	16	22	8	14
(12) M. R. T. P. Act.	38	10	48		48
(13) Tree cutting.		3	3	2	1
(14) High Court Appeals.	8	3	11	2	9
(15) Criminal Revision Applications. (High Court)	17	19	36	10	26
(16) Sessions Court Appeals	23	24	47	18	29
(17) Criminal Revision Applications (Sessions Court)	29	40	69	31	38
(18) Shops & Estt. Act.	6		6		6
(19) Sum Tribunal.	1		1		1
(20) Return of Vehicle	1		1	1	
(21) Total amount of fine recovered.			Rs. 25,64,364.		

* M. M. S. Metropolitan Magistrates Courts.

VII.—Municipal Enquiry Courts :
(Section 105B of the B.M.C. Act).

(1) Cases pending as on 1-4-1980.	....	..	..	..	..	5697
(2) New cases referred to Enquiry Officers from 1-4-1980 to 31-3-1981	..	..	..	..	..	7231
(3) Total number of cases disposed of during the year under report.	..	..	..	..	..	8678
(4) Cases pending as on 31-3-1981.	..	..	..	..	..	4259

VIII.—Documents Completed during the year :

(1) Conveyance.	..	..	..	..	..	16
(2) Agreements for handing over possession.	..	..	..	..	..	25
(3) Certificates of Sale	..	..	..	..	..	7
(4) Deed of Exchange.	..	..	..	..	..	6
(5) Deed of Rectification.	..	..	..	..	..	8
(6) Agreements.	..	..	..	..	..	76
(7) Indemnity Bond.	..	..	..	..	..	60
(8) Cases for Compensation for set back (Sub).						52
(9) Cases for compensation of set back City and Town Planning	..	..	..	..	..	17
(10) A/vice matters in respect of stamp Duty, Town Planning, set-back, P. F. Claims, Agreement, Lease matters.	..	..	..	..	..	1271
(11) Indenture of Mortgage and Deed of Receipts (Municipal Housing Society)	..	..	..	..	..	70
(12) Further charges (Municipal Housing Society).	..	..	..	..	..	13
(13) Appeal matters in respect of C. T. S. R. T. S. Charity Commissioner, sales Tax, Tribunals etc.	..	..	..	..	..	52
(14) Assignment.	..	..	..	..	..	66
(15) Indemnity. (Leases. matter)	..	..	..	..	..	19
(16) Draft Lease	..	..	..	..	..	40
(17) Draft Licence and Deed of Covenant.	..	..	..	..	..	42
(18) Power of Attorney	..	..	..	..	..	4
(19) Piche	..	..	..	..	..	14
(20) Declaration.	..	..	..	..	..	9
(21) Letters of Administration.	..	..	..	..	..	1
(22) Appointment of New Trustees.	..	..	..	..	..	9
(23) Drafting Legal Notices	..	..	..	..	..	21
(24) Release.	..	..	..	..	..	1
(25) Partition	..	..	..	..	..	1
(26) Consent Terms.	..	..	..	..	..	1
(27).—References received from other Departments and parties.	..	..	..	..	..	363

Smt. M. V. SHETTY.
Law Officer.

CENTRAL STORES

SALENT FEATURES :—

Expenditure :—					Rs.
(1) Establishment	...	...	...	...	13,18,603.81
(2) Advertisement	...	...	...	...	62,904.70
(3) Printing and Stationery	...	...	...	...	47,513.41
(4) Miscellaneous clothing Book and Dead Stock Lighting and Tea etc.	...	...	...	...	93,951.02
(5) Maintenance & Repairs	...	...	...	...	...
Total					15,22,972.44
Amount realised :—					5,10,313.00
III—Value of stores :					
(1) Opening Balance	...	...	...	...	84,37,728.36
(2) Issue	...	...	...	...	5,32,25,243.51
(3) Purchase	...	...	...	...	5,36,43,109.11
(4) Balance	...	...	...	...	88,55,593.96
IV—Work handled :—					
(1) Tenders invited	... 260	(2) Contracts executed	... 375		
(3) Quotations invited	... 141	(4) Purchased Orders Placed	... 1,853		
V—Averages					
(i) Inventory level		General Stores	Capital Stores		
		... Rs. 54,57,163.50	Rs. 31,89,497.60		
(ii) Stock in terms of months		... 2.607 months	1.361 months		

The Stores Department acts as a Central Purchasing and Stores agency of the Corporation for procuring, storing and supplying various items of engineering, conservancy, Hospital and General stores of all departments. There are about 267 schedules covering over 3000 items. The purchases are made either by inviting tenders by Public Advertisement or by circular letters to all known dealers.

During the year, 189 notices were served on the defaulting suppliers and in 3 cases tender deposits were forfeited. In delayed supplies penalties were also recovered.

During the course of year, 2791 bills for suppliers were received and certified. 20937 indents from various departments were received and the same were complied with. 2681 sales memos for issues of materials to Municipal contractors for municipal works were prepared. In order to recover the cost of articles from the contractors, these sales memos were forwarded duly priced out to the departments on whose behalf the works were carried out. During the course of year scrap and unserviceable articles valued at Rs. 10,419.09 were disposed of by sale.

At present the Central Stores is mainly working as a Purchase Organisation and is distributing the materials to all Ward Stores and the other Municipal deptt. The Main stores presently perform all the Stores functions viz. purchase, stocking and accounting under one authority viz. C. S. It is working on Manual System and has no effective control regarding the stock levels at the Ward Stores and other deptt.'s stores. In order to achieve this objective and to optimise investment in materials, it has been decided to computerise stores stock accounting and inventory control and suppliers' accounting. Under the new computerised stores 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 the other department's stores will be brought under the control of the Central Stores department.

A separate Computer cell has been created in the form of a nucleus. The work of condensation of General and Engg. stores items in the form of Data 'A' Sheets has been completed and the stores item code directory is being got printed for distribution to the different Main stores and Sub-stores to be established under the Central stores authority.

The relevant information about the City Ward stores has been collected and the preliminary work of computerised system has been done. On the basis of this the detailed working plan objectively will be prepared. The computer cell has also decided the tentative locations for establishing main stores, each in Eastern & Western suburbs.

In the first-phase it is proposed to take over old City Ward stores excluding F-North and G-North Wards and the City Main store under for computerisation, by creating only a skeleton staff in the four stores wings. When the organisation is rebuilt and expanded with adequate staff the suburban ward stores and the stores of other departments will be brought under computerisation and under one Central control.

C. H. KHUBCHANDANI,
Controller of Stores.

STATEMENT 'A'
Showing Stores Transaction during the year 1980-1981.

Particulars	Capital Stores		General Stores		Total of Columns 2 & 3	
	(1)	(2)	(3)	(4)	(5)	(6)
Value of Stores on 1st April 1980		Rs. 40,93,846.12	Rs. 43,43,882.24		Rs. 84,37,728.36	
Value of Stores received including transfers during the year 1980-81		2,62,99,883.74	2,73,43,225.37		5,36,43,109.11	
Total		3,03,93,729.86	3,16,87,107.61		6,20,80,837.47	
Less—Value of Stores issued including transfers during the year 1980-81		2,81,08,580.70	2,51,16,662.81		5,32,25,243.51	
Balance as on 1-4-1981		22,85,149.16	65,70,444.80		88,55,593.96	
Average Annual Inventory		31,89,497.60	54,57,163.50		86,46,661.00	
Ratio of Average Inventory level to Monthly Issue		1.361 Months.	2.607 Months.		1.949 Months.	

STATEMENT 'B'

(Details of Stock held at Central Stores.)
Figures are Rupees in Lakhs.

Serial No.	Particulars	Balance as on 1-4-1980	Receipts during 1980-81.	Total	Issued during 1980-81.	Balance as on 1-4-1981	Average Inventory level in month	Average monthly consumption	Ratio of Inventory level to monthly consumption
CAPITAL ACCOUNT									
(1)	Cement	21.99	254.70	276.69	252.78	13.91	17.95	21.90	0.819
(2)	C. I. Pipes, Manholes Hydrants water & Drainage castings etc.	2.18	0.47	2.65	0.97	1.63	1.53	0.08	23.931
(3)	M.S. Round Bars, Flats, Plates, C. I. Blacksheets, etc.	12.79	2.76	15.55	9.52	6.03	9.42	0.89	11.903
(4)	Pipes, stoneware and Hume	00.20		0.20	0.11	0.09	0.15	0.01	16.92
(5)	Valve, Pipes and Fittings	0.69	4.25	4.94	7.02	0.92	2.31	0.53	3.951
(6)	Lead Pig, and Lead pipes	0.06	0.22	0.28	0.11	0.19	0.11	0.07	1.991
(7)	Asbestos sheets, Pipes and fittings	0.03	0.60	0.63	0.60	0.03	0.63	0.05	9.54
GENERAL ACCOUNT									
(8)	Spindle Brass fittings	1.23	0.99	2.22	1.73	0.49	0.86	0.15	5.950
(9)	Bolts, Nuts, Rivets, Nails, Washers and Hardwares etc.	1.98	5.59	7.57	5.44	2.53	2.26	0.35	4.980
(10)	Broom, Goa, Date and Brushes	1.11	7.30	8.41	6.74	1.67	1.39	0.56	2.480
(11)	Cables and Wires	0.88	4.40	5.23	3.7	1.51	1.20	0.31	3.807
(12)	Electric Accessories, bulbs, fans, Electrodes, Dry Cells, etc.	6.43	27.04	33.47	26.91	6.56	6.49	2.24	2.894
(13)	Files and Rasps	0.03	0.30	0.33	0.26	0.12	0.10	0.02	5.399
(14)	Oil, Castor, Coconut, sweet, Kerosene greas Lubricating etc.	0.27	13.03	13.32	12.65	0.67	0.48	1.05	0.458
(15)	Timber, Ladders shaft Bhandiwood, Plywood sheets, Nowghani Poles, etc.	0.12	0.51	0.63	0.52	0.11	0.11	0.04	2.727
(16)	Clothing	12.65	103.49	116.14	94.44	26.73	19.71	7.87	2.50
(17)	Disinfectant, Tropical choloidide cleaning powder etc.	00.24	21.34	21.58	20.16	0.42	0.83	1.68	0.493
(18)	Tools Machinery footrules spanners, drills, saws, Angerscrews etc.	00.99	4.05	5.05	2.90	0.25	1.57	0.24	6.439
(19)	Soap and Soda	02.22	16.91	19.13	15.78	3.35	2.79	1.32	2.552
(20)	Baskets Cans, Bamboo and wooden	0.42	13.83	14.25	13.31	0.94	0.68	1.11	0.614
(21)	Buckets, Dustbins, Chamillas, Enamel-ware Hurricanes, Lanterns, Glassware etc.	3.87	10.09	13.96	9.82	4.14	4.01	0.82	4.900
(22)	Hose, Rubber, Bifling canvas	1.77	7.80	9.57	6.91	2.66	2.22	0.58	3.855
(23)	Wires Brass Rod, copper sheets zinc Sheets, etc.	1.87	4.06	5.93	4.34	1.59	1.75	0.36	4.792
(24)	Leather, Hides, Chamolis, Chappals Ploungers, Boots and other leather articles.	1.49	6.35	7.84	5.34	2.50	2.00	0.44	4.423
(25)	Coir goods, cotton goods, Yarn spun, waste cotton, packing asbestos, etc.	0.58	4.89	5.47	4.82	0.65	0.61	0.40	1.530
(26)	Paints, powders, Linseed Oils and Turpentine	2.08	4.55	6.63	4.62	2.01	2.04	0.39	5.301
(27)	Locks of doors	2.05	3.14	5.19	2.17	3.02	2.53	0.18	16.657
(28)	Misc. articles (Polish, candles, glue gum, power saws, etc.)	1.06	8.36	9.42	8.53	0.87	0.56	0.71	1.355
Total		84.38	536.43	620.81	522.25	88.56	86.47	44.35	1.949

ADMINISTRATIVE OFFICER (ENQUIRIES)

The Department carries out the following functions :—

- (a) Investigations 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 telephone at the various Municipal offices and residence of Municipal officers.

2. During the year, the Deptt. conducted 1290 investigations, paid 1442 surprise visits to various Municipal Institutions and mustering places and disposed off 3879 cases of miscellaneous nature including some important cases of confidential nature. The details of investigations are as under :—

(a) Cases of alleged acceptance of illegal gratification and misappropriation of Municipal money.	110
(b) Cases of irregularities of major nature.	202
(c) Cases of irregularities of minor nature.	978

In all 537 departmental enquiries were held against whom prima facie cases were established. No. of cases

The details of action taken are as under —

1. Dismissal	1
2. Removal	12
3. Demotion	2
4. Withholding of increments	226
5. Fines imposed	270
6. Censure, Caution and Warnings	240
7. Suspension for 3 days	130
8. Recovery on account of loss to the Corporation	25
9. Exonerated as the charges were not proved	26

The furniture Inspector of this office has checked during the year total number of 27584 furniture articles out of which 22881 articles were approved and 4703 articles were rejected.

A total amount of Rs. 4,58,000 was distributed to the victim of fire, House collapse, flood-victim etc., from Mayor Fund Relief Committee.

Additional activities :

1. Surprise raids were carried out by interception of a vehicle after it had passed into city through Dahisar Octroi Naka. On checking the goods brought into city limit by the vehicle in question, it was detected that the truck was carrying cloth without paying the Octroi duty. An amount of Rs. 6,261.70 which the carriers attempted to evade was recovered on spot. Similarly the local trains on Western Rly. and cases involving evasion of octroi were detected. As a result, the octroi amount to the tune of Rs. 3154.06 was recovered at the instance of this office staff.

2. Two cases of fraudulent issue of 645 bags of cement from Municipal Ward Store were detected and an amount of Rs. 16,770 was recovered.

3. A levy of charge of Rs. 1000 as a premium amount for establishment of a flour-mill in purely residential zone had escaped inadvertently and on the initiative taken by this office, necessary instructions were issued for its recovery retrospectively from 4th December 1974 bringing to the Municipal treasury additional revenue of over Rs. 1,00,000 per annum.

K. R. DIXIT,
Administrative Officer (Enquiries)

BOMBAY MUNICIPAL SECURITY FORCE

SALIENT FEATURES :—

I—Income & Expenditure—			
(i) Income	...	...	Nil.
(ii) Expenditure	...	...	Rs. 1,69,89,961.44
II—Departmental Enquiries completed		...	19
Preliminary Enquiries completed		...	994
III—Theft etc. cases reported		...	183
IV—Value of Municipal property involved		...	1,08,451.27
V—Cases detected		...	68
VI—Value of property recovered		...	44,196.45
VII—Formation of a Security Cell for Water Supply & Sewerage.			

Department Installations : There are 3046 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.) Out of the total employees of the Security Force the following are working under that unit.

Asstt. Security Officers	..	..	..	..	5
Security Assistants	..	..	..	..	8
Head Security Guards	..	..	..	..	29
Security Guards	..	..	..	..	668

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.

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

The work of Departmental Enquiries completed by Assistant Security Officers is as follows:—

(a) Cases of alleged acceptance of gratification and misappropriation, theft or pilferage	...	...	...	...	7
(b) Serious irregularities, such as rude behaviour and assaults gross dereliction of duties etc.	...	...	...	...	7
(c) Minor irregularities such as irregular attendance, negligence of duties etc.	...	...	...	...	5
Total					19

The action taken in the above cases is summarised below :—

	No. of employees	No. of cases
Dismissal	1	1
Removal from Service	4	4
Demotion	...	...
Withholding of increments	3	3
Fine imposed	6	6
Censures and Warnings	1	1
Recoveries made for loss of Municipal Property	2	2
Exonerated as the charges were not proved.	4	4

The split up according to the status of different employees who have been awarded deterrent punishments is as under :—

Category	Dismissal	Removal	Demotion	Increment withheld
Clerk	1	3	...	...
Security Guards and Head Security Guards	...	1	...	3
Labour staff other than Security Guards and other categories	...	...	...	1
Total	1	4	..	3

The Security Asstts. have completed 994 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 assault, misbehaviour	Total
492	209	293	994

As a result of the Departmental Enquiries completed by A. O. (E)'s Deptt. against the Security Guards, action was taken against 418 Security Guards during the year.

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	36	12,240.27	25	9,744.27
Others	183	1,68,451.27	68	44,196.45
Total	219	1,20,691.54	93	53,940.72

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 go its own Training School and during the year 321 Security Guards (including Recruits) were imparted training.

Security Force is in-charge of Industrial Home Guards Unit of the Municipal employees. It has 109 members enrolled on it.

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. Under a training Scheme Officers and men of the Security Force are being imparted training in Self-Defence Arts like Judo, Karate etc. under the guidance of an Expert Tutor.

There were 3088 men working on the Establishment which includes Officers, Subordinates and Labour Staff. The Security Force recruited 276 candidates as Security Guards during the year.

G. H. SALUNKHE,
Security Officer.

MUNICIPAL PRINTING PRESS

HIGH LIGHTS :

(1) Expenditure :

(a) Establishment Rs. 43,65,766. (b) Other Items Rs. 85,84,085.

(2) Jobs : (a) Printing 10215. (b) Supply of Stationery 2333.

(3) Printed pages for Corporation and their various Committees 68,172

(4) Amount Charged :—(a) To Department Rs. 1,12,51,546 (b) To Private Parties Rs. 83,626.

During the year, the Press carried out 10215 printing jobs both Department and Private in addition to supply of Stationery jobs at a total cost of Rs. 1,12,51,546. Department undertook 47 Private Printing Jobs and 9 jobs of stationery and earned Rs. 83,636. There was a surplus of Rs. 8,99,992 against the last year's surplus Rs. 10,76,030. In order to meet the requirements, department purchased 668 Metric Tons of various kinds of paper from the market and consumed total quantity of 641.1/2 Metric Tons which included old stock.

The comparative statement of jobs carried out and paper purchased during 1979-80 and 1980-81 is furnished below :

Statement I (Jobs carried out)

Description	1979-80		1980-81	
	Jobs	Pages	Jobs	Pages
(i) Departmental (Printing)	8730	..	10168	..
(ii) Departmental (Stationery)	2467	..	2324	..
(iii) Private Parties Printing	40	..	35	..
(iv) Private Parties Stationery	7	..	9	..
(v) B. E. S. & T. Undertaking	10	..	12	..
(vi) Corporation & Committees	..	33607 E 5684 M	..	42319 E 7701 M
(vii) Corporation Record	..	1678 M 9839 E	..	1963 M 16189 E

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

Statement II (Paper consumed).

Description	1979-80		1980-81	
	Rate per Kgs.	Quantity in M. T.	Rate per Kgs.	Quantity in M. T.
(i) White	Rs. 10.82	381.1/4	Rs. 8.74	441
(ii) Nepa	6.70	23.1/4	6.52	34.1/2
(iii) Other kinds	8.81	122.1/4	9.08	166
Total		526.3/4		641.1/2

Certain jobs were carried out through Outside Agencies at a cost of Rs. 51,657/- as against Rs. 54,138/- in the previous year. In addition to regular work, the Press carried out printing of (i) Marathi Budget comprising 3191 pages and (ii) Budget 'G' both Marathi and English in time against heavy odds.

In response to the Incentive Bonus Scheme for C. L., 23 workers responded as against 5 in the previous year. The Press is working in two shifts with a total strength of the 485 workers as on 28th February 1981 against 394 as on 29th February 1980. 19 Apprentices under Apprenticeship Act 1961 were engaged in year as against 19 on 28th February 1981. The labour relations were very cordial and their grievances were redressed on spot wherever practicable.

As the present premises at Carnac Bridge is not adequate to meet the print requirement of the Corporation, extension of the present building is in progress to the Southern Side.

Plans for an additional Printing Press at Chembur are being finalised in consultation with Shri J. G. Deokule, who has been appointed as Consultant for this project. He is also appointed as a Consultant for re-organisation of the Printing Press including working out the requirements of new machinery, internal arrangements etc. The Consultants have already submitted their report and its implementation is in progress.

Tenders for procuring new machines have been already invited and are under scrutiny.

M. M. KAMAT,
Manager
Municipal Printing Press.

The summary of Advances Departmental Works-Municipal Printing Press recoveries for the year 1980-81.

Description	Amount		Total		Description	Amount		Total	
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Opening Balance as per Subsidiary	72,31,886.47				Recovery during 1980-81	1,07,37,427.58			
Material in hand	18,66,367.68				Misc. Revenue	1,18,198.77			
Work in Progress	11,93,973.36					1,08,55,626.35	1,08,55,626.35		
	1,02,92,227.51				Material in hand	24,66,139.58			
Less—Profit during 1979-80	10,76,029.58				Work in Progress	19,98,270.73			
	92,16,197.93		92,16,197.93		Outstanding Bills	77,46,004.65			
Expenditure during 1980-81						1,22,10,414.96	1,22,10,414.96		
I—Establishment	43,65,766.08								
II—Contingencies	2,61,839.69								
III—Repairs and Maintenance	5,06,589.58								
IV—Stores	73,28,606.84								
V—Electric Power	74,572.72								
VI—Work through Outside Agencies	51,657.36								
VII—Provident Fund Charges	1,01,073.91								
VIII—Debt Charges	2,15,025.70				Total			2,30,66,041.31	
IX—Transport	44,719.30				Profit			8,99,992.20	
	1,29,49,851.18		1,29,49,851.18					2,21,66,049.11	
			2,21,66,049.11						

Balance Sheet as at 31st March 1981.

Liabilities		Assets	
	Rs.	Rs.	
CAPITAL—			
(1) Advance for Surplus Cash Balance	5,544.00		(1) Plant and Machinery purchased out of Surplus Cash Balance
(2) Advance from Net Premia Fund	1,68,221.12		(2) Plant and Machinery purchased out of net Premia Fund
(3) Do.	49,201.19		(3) Do.
(4) Do.	22,745.31		(4) Do.
(5) Advances from Special Fund	1,81,685.55		(5) Do.
(6) Do.	7,134.37		(6) Do.
(7) Do.	415.00		(7) Do.
(8) Advances from Capital Works—Loan Funds—I-General Supervision, Collection of Revenue Item No. 7, Conversion of Crusher Godown at Carnac Bridge	5,06,193.65		(8) & (9) Plant and Machinery purchased out of I-General Supervision, Collection of Revenue, Item No. 7 Conversion of Crusher Godown at Carnac Bridge
(9) Do.	1,09,122.24		Do. Books & Dead Stock
(10) Advances from Plant and Machinery Depreciation Fund	1,39,669.10		Do. Cost of Crusher Bldg.
(11) Advances from Capital Works—Loan Funds—Plant and Machinery to be purchased out of Fire and accident Insurance Fund	51,881.44		(10) Plant and Machinery purchased out of Capital Works—Loan Funds P.&M. Fire & Accident Insurance Fund
(12) Do.	97,107.17		(11) Do.
(13) Do.	2,49,116.21		(12) Do.
(14) Advances form Sundry Miscellaneous Advances	1,11,100.39		(13) Plant and Machinery purchased out of P. & M. Depreciation Fund
(15) Advances from Plant and Machinery to be purchased out of Special Fund Item No. 10	1,39,800.00		(14) Plant and Machinery purchased out of Sundry Miscellaneous Advances
(16) Advances from Plant and Machinery to be purchased from Special Fund Item No. 1	1,50,697.24		(15) Plant and Machinery purchased out of Special Fund Item No. 10
(17) Advances from different Special Funds	6,89,908.11		(16) Plant and Machinery purchased out of Special Fund Item No. 1
(18) Advances from Loan Funds Item No. 2	24,182.28		(17) Advances from different Special Fund
(19) Purchased out of Advances from Loan Fund	8,640.00		(18) Advances from Loan Funds Item No. 2
(20) Purchased out of Advances from Loan Fund Item No. 4	3,58,560.00		(19) Plant and Machinery purchased out of Advances from Loan Fund
	30,70,924.37		(20) Plant and Machinery purchased out of Advances from Loan Fund Item No. 4
Less—Amount repaid	20,28,184.68	10,42,739.69	Less Depreciation upto 31-3-1981
			Work in Progress
			Stock of Paper, etc.
			Mono Metal—Balance as per last year
			Do. addition during the year
			Do. less written off
			Do. Lino Metal—Balance as per last year
			Do. addition during the year
			Do. less written off
			Material non-consumable Balance as per last year
			Do. less written off
			Books and Dead Stock Balance as per last year
			Do. addition during year
			Do. less written off
Outstanding advances as on 31-3-1981.		1,22,10,414.96	Bills due from departments
		1,32,53,154.65	

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, Telgu, Sindhi Devanagari Sindi Arabic and Malayalam and printing work of other departmental jobs such as Reports, Different Formats, circulars etc.

Expenditure :

(A) Establishment	..	Rs. 4,79,443.50
(B) Others	..	Rs. 3,67,327.89

Work Load Summary :

	Pages	Cost (Rs.)
(a) Printing of Administration Reports of M. .C. and M.C.A. in Marathi	.. 1272	11,135.00
(b) Departmental printing jobs such as Formats, circulars, reports, etc.	.. 1155	3,12,085.86
(c) Urgent Items and Accompaniments and the Agenda of the Corporation and its various Committees	.. 1842	57,310.15
(d) Annual Examination papers of Primary and Secondary Schools.	.. 76.10	5,40,000.00
	(Lakh Impressions)	

For smooth and efficient working of the Rota Printing Units, two swifts 150 small off-set Printing Machines were purchased for a total cost of Rs. 1,16,640.00.

In the reporting year, 51 employees were on the establishment of the Rota Printing Unit.

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 etc., papers of the E. O.'s Department is of confidential nature and the same is executed very punctually and accurately.

V. L. KALE,
Ag. 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 1980-81.

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'	1980-81			1979-80
	Budget Estimates	Revised Estimates	Actuals	Actuals
	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	10,97,14,000	10,62,12,031	10,62,12,031	4,97,93,706
Income ..	1,37,67,21,335	1,40,85,89,340	1,34,93,17,036	1,25,40,79,481
Expenditure ..	1,44,08,52,771	1,38,44,81,980	1,37,55,19,529	1,13,97,51,079
Balance ..	6,41,31,436 (Deficit)	2,41,07,360 (Surplus)	2,62,02,493 (Deficit)	11,43,28,402 (Surplus)
Balance ..	4,55,82,564	13,03,19,391	8,00,09,538	16,41,22,108
Increase (—)				
Decrease(+) in Reservation for Advances etc. ..			—77,89,586	—5,79,10,077
Closing Balance ..	4,55,82,564	13,03,19,391	7,22,19,952	10,62,12,031

2. The details of reservation of Advances etc.	Rs.	Rs.
Increase—		
In Advances, Miscellaneous Advances. ..	53,94,727	..
In Reserve Stores. ..	23,94,859	..
Net Increase. ..		77,89,586

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1981 and that as shown in the Revised Estimates for 1980-81 in Corporation's Budget.

(Rs in lakhs)

Revenue Account Budget 'A'	As adopted by the Corporation (R. E.)	Actuals	Variation Compared with Estimates of the Corporation.
	Rs.	Rs.	Rs.
Opening Balance. ..	10,62.12	10,62.12	..
Income ..	1,40,85.89	1,34,93.17	592.72 (Short fall)
Expenditure. ..	1,38,44.82	1,37,55.19	89.63 (Short fall)
Deficit/Surplus for the year (—) (+) ..	+241.07	—262.02	503.09 (Less)
Deficit/Surplus ...	+13,03.19	800.10	503.09
Deduct-Increase in Reservation for Advances. ..		—77.90	—77.90
Net Deficit/Surplus (—) (+) ..	+13,03.19	+722.20	—580.99

In the Revised Estimates, Income was estimated at Rs. 140.86 Crores and Expenditure at Rs. 138.45 Crores. On actual closing of the books it is revealed that income is less by Rs. 5.93 Crores and Expenditure is also less by Rs. 0.90 Crores.

3. The net unhyponthecated Surplus Cash Balance on 31st March 1981 was as under :—

Liabilities		Assets.	
Reserve Stores Account ..	Rs. 71,53,617	Surplus Fund as per Appendix No. 2.	Rs. 25,08,29,243
Advances for Plant and Machinery.	11,576		
Miscellaneous Advances ..	17,14,44,098		
Minimum required by Law ..	1,00,000		
Surplus Cash Balance ..	7,21,19,952		
	25,08,29,243		25,08,29,243

4. The Opening and Closing Balance for Reserve Stores (including Capital Stores) for the year 1980-81 is compared below :—

	Opening Balance	Closing Balance	+Increase —Decrease
	Rs.	Rs.	Rs.
Serviceable Stores Reserve Stores. ..	1,75,29,416	* 1,90,93,789	+15,64,373
Reserve Stores Foras Road Depot. ...	10,50,537	** 6,43,067	—4,07,470
Capital Stores. ..	3,08,94,532	3,08,19,361	—75,171
Capital Stores (Foras Road Depot.) ..	3,34,320	2,11,822	—1,22,498

* This includes Rs. 1,25,25,240 shown under unadjusted Reserve Stores Account.

**This includes Rs. 60,794 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 1980	Loan raised during the year	Repayment during the year	Loan Outstan- ding as on 31st March 1981
	Rs.	Rs.	Rs.	Rs.
Div.—I	62,93,39,147	13,26,20,744	85,11,428	75,34,48,463
Div.—II	52,26,95,065	7,45,00,000	56,50,150	59,15,44,915
Div.—III	26,98,84,048	6,45,00,000	10,94,130	33,32,89,918
Total	1,42,19,18,260	27,16,20,744	1,52,55,708	1,67,82,83,296

Break up of the Loans raised during the year were as under :—

	Rs.	Rs.	
(1) Division— I ..	4,95,00,000		Being the loan amount towards Rs.1350 lakhs plus 10 per cent issued at par with the currency of 15 years at 7% interest per annum raised by public subscription out of Rs. 1600 lakhs loan sanctioned under Corporation Resolution No. 1016 dated the 21st November, 1980 and G.R. No. LON/3280/1175/80/BUD-16 dated 25th November 1980. The provision of Sinking Fund is sanctioned on 15 years basis improving at 6½ per cent per annum.
Division— II ..	4,95,00,000		
Division—III	4,95,00,000	14,85,00,000	
(2) Division— I ..	8,00,00,000		Being the loan amount towards Rs. 1200 lakhs issued at par with a currency of 25 years at 6½ per cent interest per annum raised by Internal funds. Loan sanctioned under C.R. No. 1016 of 21st November 1980 and G.R. No. LON/3280/1175/80/BUD-16 dated 25th November 1980. The provision of Sinking Fund is sanctioned on 25 years basis improving at 6½ per cent per annum.
Division— II ..	2,50,00,000		
Division—III ..	1,50,00,000	12,00,00,000	
(3) Division— I ..	31,20,744	31,20,744	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 p.a. 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		27,16,20,744	

The repayments during the year were as under :—

		Rs.	
Division—I	(1) ..	12,16,867	Repayment of 9.2% IBRD (World Bank) Loan through B.M.R.D.A. for Traffic Operations.
	(2) ..	15,82,040	Repayment of 6% Rs. 400 lakhs B.M.C. Loan 1968 excluding Rs. 4,24,17,960 Paid by Budget 'G'.
	(3) ..	41,44,594	Repayment of 5% Rs. 10 lakhs Internal Loan 1920 and 3¼% Rs. 80 lakhs Loan 1950 excluding Rs. 48,55,405.86 paid by Budget 'G'.
	(4) ..	15,67,927	Repaid to different Special Funds out of Revenue on the basis of equated payment.
Division—II	..	56,50,150	Repaid to Debenture holders out of Sinking Fund investment.
Division—III	..	10,94,130	Do.
Total ..		1,52,55,708	

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

Budget 'A'	Amount of Fund on 1st April 1980	Interest etc. received	Sinking Fund Instalments	Withdrawn for repayment of Loans	Amount of Fund on 31st March 1981
	Rs.	Rs.	Rs.	Rs.	Rs.
Division I	41,54,38,435	2,15,13,488	3,92,73,981	5,30,00,000	42,32,25,904
Division II	12,96,42,051	80,14,430	2,74,14,834	82,50,000	* 15,68,21,315
Division III	7,73,94,092	48,75,048	1,61,51,450	55,00,000	* 9,29,20,590
	62,24,74,578	3,44,02,966	8,28,40,265	6,67,50,000	67,29,67,809

The value of the securities held in the Sinking Fund on the basis of Market rates prevailing on 31st March 1981 including accrued interest and Cash exceeds the actuarial amount of the Sinking Fund by Rs. 4,90,54,274 (Division—I Rs. 2,54,31,057, Division—II Rs. 1,79,58,479 and Division—III Rs. 56,64,738).

REVENUE INCOME

For Division I, II and III.

6. The estimated Income for the year was Rs. 1,37,67,21,335 and Revised Estimate was Rs. 1,40,85,89,340. The Actuals amounted to Rs. 1,34,93,17,036 resulting in decrease of Rs. 2,74,04,299 on the Budget Estimates and of Rs. 5,92,72,304 on the Revised Estimates.

OCTROI

6A. The gross collections for the year were estimated at Rs. 78,72,50,000, the refunds and commission charges at Rs. 7,50,00,000 and the net revenue at Rs. 71,22,50,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 78,48,68,950 and after deducting the amount of Rs. 9,34,41,261 (on account of refunds Rs. 8,33,91,872 and on account of fees for collection Rs. 1,00,49,389 credited to the separate Revenue Head), the net receipts amounted to Rs. 69,14,27,689 showing an increase of Rs. 3,41,65,065 as compared with the actuals of the previous year (i.e. Rs. 65,72,62,624).

REVENUE EXPENDITURE

For Division I, II and III.

7. The final sanctioned grants amounted in the aggregate to Rs. 1,64,72,28,662.

Budget Grants	Rs. .. 1,44,08,52,771
Unexpended Grants for previous years renewed for expenditure	.. 7,26,69,250
Additional Grants	.. 13,37,06,641
	Final sanctioned grants .. 1,64,72,28,662

* Out of this Rs. 23,94,31,706, Rs. 2,20,64,413 and Rs. 1,63,45,593 pertaining to Division I, II and III respectively relate to Budget 'G'.

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 48,16,000.

8. Against the final sanctioned grants for the year aggregating to Rs. 1,64,72,28,662 as stated above the actuals amounted to Rs. 1,37,55,19,529 leaving an unexpended balance of Rs. 27,17,09,133 at the close of the year. Out of this balance the amount of Rs. 7,50,00,000 is being renewed for expenditure during 1981-82 as against the same amount in 1980-81 and the remaining balance of Rs. 19,67,09,133 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for 1980-81 and the previous year is as given below :—

Budget 'A'	Establishment Cost	Percentage of Establishment cost to total Expenditure during	
		1980-81	1979-80
	Rs.		
Division—I	34,77,06,948	37.12	39.35
Division—II	11,04,44,721	37.55	35.15
Division—III	5,46,96,852	37.81	35.93

LOAN WORKS EXPENDITURE

(City)

10. The Opening balance on 1st April 1980 on account of Loan Funds excluding the Trust Fund was Rs. 4,49,29,138. Loans aggregating to Rs. 12,95,00,000 were raised during the year, and amount of Rs. 31,20,744 was received from B.M.R.D.A. towards reimbursement of loan. Similarly an amount of Rs. 1,55,80,034 was received towards repayment of advance taken from Loan Fund for purchase of Plant and Machinery. Thus the total Loan Funds available for expenditure during the year amounted to Rs. 19,31,29,916. The total expenditure incurred during the year amounted to Rs. 13,00,58,939. Amount of Rs. 27,10,194 has been advanced during the year towards the recoupment of advance from the surplus monies. The unspent balance at the close of the year thus stood at Rs. 6,03,60,783.

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.		
1978-79	27,36,84,430	23,87,05,945	6,63,96,696	24	28
1979-80	34,83,29,527	30,44,04,020	7,48,59,977	22	25
1980-81	44,02,46,350	40,23,13,845	13,00,58,939	29	32

The percentage of actual expenditure to funds available works out to 69.

(Suburbs)

The Opening Balance on 1st April 1980 on account of Loan Fund was Rs. 4,16,99,147. Loan aggregating to Rs. 7,45,00,000 was raised during the year. An amount of Rs. 83,12,834 was received towards repayment of Advances taken from Loan Fund for purchase of P. & M. Thus total loan fund available for expenditure during the year were Rs. 12,45,11,981. The total expenditure incurred during the year amounted to Rs. 8,37,99,580 (inclusive of Advances for P. & M.) leaving a balance of Rs. 4,07,12,401 in the Loan Fund at the close of the year. No expenditure was incurred during the year under Trust Funds and a balance of Rs. 97,808 was in Trust Fund at the close of the year.

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

Year	LOAN AND TRUST FUNDS			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1978-79	20,33,51,250	19,81,35,550	5,64,06,632	28	28
1979-80	25,25,97,500	24,95,35,250	7,89,16,339	31	32
1980-81	26,50,47,150	30,94,12,805	8,37,99,580	32	27

The percentage of actual expenditure to the funds available works out to 67.

(Extended Suburbs)

The Opening balance on 1st April 1980 on account of Loan Funds was Rs. 2,10,88,821. Loan aggregating to Rs. 6,45,00,000 was raised during the year. An amount of Rs. 9,26,434 was received towards repayment of Advances taken from Loan Fund for purchase of P. & M. Thus total Loan Funds available for expenditure during the year were Rs. 8,65,15,255. The total expenditure incurred during the year amounted to Rs. 5,79,77,551 (inclusive of Advances for plant and machinery) leaving a balance of Rs. 2,85,37,704 at the close of the year.

The following statement compares the expenditure on the Capital Works with the Budget and Revised estimates during the last 3 years.

Year	LOAN AND TRUST FUNDS			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1978-79	14,18,09,210	9,44,31,750	2,76,51,641	19	29
1979-80	14,14,67,800	12,11,75,800	3,83,56,395	27	32
1980-81	17,38,59,500	16,76,03,090	5,79,77,551	33	35

The percentage of actual expenditure to the Funds available works out to 67.

CONSOLIDATED LOAN WORKS EXPENDITURE

11. The following statement compares the consolidated expenditure on Capital Works for Division I, II and III with the Budget and Revised Estimates during the last three years :—

Year	LOAN AND TRUST FUNDS			Percentage of actuals to Budget Estimates	Percentage of actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1978-79	61,88,44,890	53,12,73,245	15,04,54,789	24	28
1979-80	74,23,94,827	67,51,15,070	19,41,04,047	26	29
1980-81	*87,91,53,000	@87,93,29,740	27,18,36,070	31	31

The percentage of Actual expenditure to the Funds available works out to 67.

SINKING FUND

(City)

12. The book value of investment of the Sinking Fund as on 31st March 1981 amounted to Rs. 42,32,25,904 made up of Rs. 42,32,25,869 being the book value of securities and Rs. 35 in cash with the State Bank of India. Valuing the Municipal and Improvement Trust Debentures at par the market value of the Sinking Fund Investment held on 31st March 1981 comes to Rs. 42,16,39,809. This together with the amount of interest accrued upto 31st March 1981 viz. Rs. 45,31,437 and Cash with the State Bank of India Rs. 35 brings the total amount of Sinking Fund to Rs. 42,61,71,281 and more than covers the amount viz Rs. 40,07,40,224 to which the Sinking Fund should have accumulated upto 31st March 1981. The excess in Sinking Fund Account was thus Rs. 2,54,31,057.

(Suburbs)

The book value of investment of the Sinking Fund as on 31st March 1981 amounted to Rs. 15,68,21,315 made up of Rs. 15,68,21,300 being the book value of the securities and Rs. 15 in cash with the State Bank of India, Bandra. Valuing the Municipal Debentures at par the market Value of Sinkings Fund investment held on 31st March 1981 comes to Rs. 15,65,82,910. This together with the amount of interest accrued upto 31st March 1981 viz. Rs. 19,25,169 and cash with the State Bank of India, Bandra Rs. 15 brings the total amount of Sinking Fund to Rs. 15,85,08,094 and more than covers the amount of Rs. 14,05,49,615 to which the Sinking Fund should have accumulated upto 31st March 1981. The excess in the Sinking Fund investment Account was thus Rs. 1,79,58,479.

(Extended Suburbs)

The book value of investment of the Sinking Fund as on 31st March 1981 amounted to Rs. 9,29,20,500 made up of Rs. 9,29,20,500 being the book value of the securities. Valuing the Municipal Debentures at par the Market Value of Sinking Fund investment held on 31st March 1981 comes to Rs. 9,29,20,500. This together with the amount of interest accrued upto 31st March 1981 viz. Rs. 11,27,632 brings the total amount of Sinking Fund to Rs. 9,40,48,222 and more than covers the amount of Rs. 8,83,83,484 to which the Sinking Fund should have accumulated upto 31st March 1981. The excess in the Sinking Fund investment Account was thus Rs. 56,64,738.

*Includes Rs. 6,00,000 on account of Trust Fund Div. III.

@Includes Rs. 51,000 on account of Trust Fund of Div. II.

INVESTMENT
(City)

13. As detailed below the aggregate investment made during the year was of the order of Rs. 253.51 Crores and the interest earned thereon during the year was Rs. 10.85 Crores as against Rs. 243.45 Crores and Rs. 8.58 Crores respectively during the preceding year 1979-80. The average rate of interest realised on the aggregate investment works out to 8.23 per cent per annum as against 7.75 per cent per annum for the preceding year.

(Budget 'A Div. I) Nature of investment.	INVESTMENT MADE		Interest realised	
	Amount	Average No. of days	Amount	Average rate p. a.
Fixed Deposits	Rs. 1,69,29,07,100	81.66	Rs. 10,82,62,978	8.29%
Current Account Deposits	84,22,06,694	3.34	2,68,206	3.48%
Aggregate	2,53,51,13,794	189.02	10,85,31,184	8.25%

The average rates of interest on Fixed Deposits and Current Account Deposits were 8.29 per cent and 3.48 per cent as against 7.82 per cent and 3.49 per cent for the preceding year respectively. The rates realised on Fixed Deposits ranged from 6 per cent to 10 per cent and on Current Account Deposits from $\frac{1}{2}$ per cent to $3\frac{1}{2}$ per cent.

The maximum rates realised on Fixed Deposits and Current Account Deposits during the preceding year were 10 per cent and $3\frac{1}{2}$ per cent respectively.

(Suburbs)

The details of aggregate investment made during the year were as follows :-

	Amount	Average No. of days
Current Account Deposits	Rs. 78,33,98,993	2.66

The Interest earned during the year amounted to Rs. 1,99,723 as against Rs. 2,22,369 during 1979-80.

The average rate of interest realised on Current Account Deposits was 3.50 per cent during current year and the preceding year.

(Extended Suburbs)

The details of aggregate investments made during the year were as follows :-

	Amount	Average No. of days
Current Account Deposits	Rs. 33,09,28,118	4.62

The interest earned on Current Account Deposits during the year amounted to Rs. 1,46,536 as against Rs. 1,76,045 during 1979-80.

The average rate of interest realised on Current Account Deposits was 3.50 per cent during current year and the preceding year.

RESERVE STOCK

14. The opening balance and the receipt of General Stores during the year as per books maintained in this office were Rs. 1,75,29,416 and Rs. 2,65,20,089 respectively and the issues amounted to Rs. 2,49,55,716. The closing balance of General Stores was therefore Rs. 1,90,93,789 *i. e.* more by Rs. 15,64,373 than the Opening Balance.

As against this, the outstanding balance on 31st March 1981 according to Controller of Stores was Rs. 65,71,344. The difference of Rs. 1,25,22,445 is due to adjustment in respect of Stores etc. issued by Controller of Stores to the Departments not having been returned by them to this office in time for being adjusted in the accounts of 1980-81. This amount of Rs. 1,25,25,240 (Advance credit of Rs. 2,795 for 79-80 is adjusted in 1980-81) is shown under unadjusted Reserve Stores Account. The opening balance and the receipt of General Stores at Foras Road Depot during the year as per this office books were Rs. 10,50,537 and Rs. 5,05,434 respectively and issues amounted to Rs. 9,13,904. The closing balance of General Stores at Foras Road Depot was Rs. 6,43,067 *i. e.* less by Rs. 4,07,470 than the opening balance. As against this the outstanding balance on 31st March 1981 according to books of Executive Engineer Mechanical (South)'s Department is Rs. 5,82,273. The difference of Rs. 60,794 in the closing balance of Foras Road Depot and this office is shown under unadjusted Reserve Stores Account Foras Road Depot.

CAPITAL STORES

15. The opening balance of Rs. 3,08,94,532 together with the receipts of Capital Stores during the year viz. Rs. 2,65,48,373 aggregated to Rs. 5,74,42,905. As against this issue during the year aggregated to Rs. 2,66,23,544 thus resulting in decrease of Rs. 79,171 in the closing balance of Capital Stores viz. 3,08,19,361 compared with opening balance. As against this, the outstanding balance as on 31st March 1981 according to C. S. is Rs. 22,85,149. The opening balance and the receipts of Capital Stores, Foras Road Depot were Rs. 3,34,320 and Rs. 1,71,600 respectively and the issues amounted to Rs. 2,94,098 thus resulting in decrease of Rs. 1,22,498 in the closing balance of Capital Stores, Foras Road Depot viz. Rs. 2,11,822 compared with opening balance. As against this, the outstanding balance as on 31st March 1981 according to books of Executive Engineer Mechanical (South)'s Department is Rs. 87,228.

STREET IMPROVEMENTS

(City)

16. The provision made in the Revised Loan works Budget for meeting claims on account of acquisition of set backs was Rs. 78,00,000 and the expenditure was Rs. 23,29,676. This leaves a balance of Rs. 54,70,324. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1981 in regard to set backs already acquired and sanctioned to be acquired amount to Rs. 57,38,914.

(SUBURBS)

The provision made in the Revised Loan Works Budget Estimates for meeting the claim on account of acquisition of set backs was Rs. 41,00,000 and the expenditure was Rs. 18,69,464. This leaves a balance of Rs. 22,30,536.

(EXTENDED SUBURBS)

The provision made in the Revised Loan Works Budget Estimates for meeting the claims on account of acquisition of set backs was Rs. 35,00,000 and the expenditure was Rs. 26,97,245. This leaves a balance of Rs. 8,02,755.

IMPROVEMENT SCHEMES

General Account

INCOME

17. The total income for the year amounted to Rs. 6,79,05,910 against Rs. 3,80,74,727 for the previous year showing the net increase of Rs. 2,98,31,183. This is made up of increase of Rs. 9,89,664 under I—Rent & other proceeds of properties (2) Rs. 22,34,196 under Municipal Contributions and (3) Rs. 2,66,07,923 under V—Misc. Receipts.

EXPENDITURE

18. The total expenditure for the year aggregated to Rs. 5,48,00,608 as against Rs. 4,51,28,081 for the previous year showing increase of Rs. 96,72,527. This is made up of increase of Rs. 1,05,12,067 under A—Maintenance of Properties and Streets counterbalanced by decrease of Rs. 8,39,540 under D—Debt. Charges. The expenditure of Rs. 5,48,00,608 comprised of expenditure of Rs. 4,18,79,188 under Maintenance of properties and streets and Rs. 1,29,21,420 under Debt Charges. The Surplus of Rs. 1,31,05,302 in the General Account is transferred to Capital Account.

19. The loan liabilities at the beginning of the year stood at Rs. 16,98,78,632. Rs. 17,50,632 were repaid to Government on the basis of equated payment and Rs. 66,00,000 were repaid against internal loans. The outstanding loan liabilities at the close of the year thus stood at Rs. 16,15,28,000.

CAPITAL ACCOUNT

20. The opening deficit balance on 1st April 1980 was Rs. 4,07,86,449. During the year under report receipt on account of sale proceeds of lands and buildings amounted to Rs. 4,89,078. Surplus in General Account amounting to Rs. 1,31,05,302 was transferred to Capital Account. The total funds available were thus Rs. 1,35,94,380. The total expenditure incurred amounted to Rs. 1,26,98,443. The unspent balance of Rs. 8,95,937 was transferred to surplus money. Thus the negative opening balance of Rs. 4,07,86,440 was reduced by Rs. 8,95,937 and stood at Rs. 3,98,90,512 as the closing balance at the end of the year.

EXPENDITURE ON SCHEMES

21. The actual expenditure incurred during the year on schemes amounted to Rs. 1,26,98,443 as against the Revised Estimates of Rs. 3,25,42,700 included in the total amount of Rs. 3,56,01,100 which also consists of Rs. 30,58,400 on account of cost of Management and Establishment.

SINKING FUND

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

Amount of Fund on 1st April 1980	Interest etc. realisation.	Sinking Fund Instalments	Withdrawn for repayment of loans	Excess accumulation transferred to General Account	Amount of Fund on 31st March 1981
Rs. 11,20,02,524	Rs. 57,49,743	Rs. 25,78,479	Rs. 66,00,000	Rs. 2,59,50,000	Rs. 8,77,80,746

The Sinking Fund as on 31st March 1981 amounts to Rs. 8,77,80,746 of which Rs. 8,77,80,728 represent the book value of the securities and Rs. 18 in cash with the State Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par the market value of the Sinking Fund Investments held on 31st March, 1981 comes to Rs. 8,77,25,370. This together with the amount of interest accrued upto 31st March 1981 viz. Rs. 4,05,838 and cash with the State Bank of India viz. Rs. 18 brings together the total amount of Sinking Fund to Rs. 8,81,31,226 against Rs. 7,92,86,080 the amount to which the Sinking Fund should have accumulated upto 31st March 1981. The excess in the Sinking Fund investment account is thus Rs. 88,45,146.

23. The gross capital liabilities of the Improvement Schemes stood at Rs. 16,62,86,490 at the close of the year and the assets at Rs. 41,31,45,315 including the book value of the lands comprised in schedule 'W' & 'X' resulting in surplus of Rs. 24,68,58,825.

SLUM CLEARANCE

GENERAL ACCOUNT

(City Section)

INCOME

24. The total income for the year amounted to Rs. 37,88,471 against Rs. 29,06,851 for the previous year showing a net increase of Rs. 8,81,620. This is made up of increase of Rs. 2,33,880 under I—Rent and other proceeds of properties and Rs. 8,64,000 under IV—Transfer of excess in Sinking Fund Counter balanced by decrease of Rs. 2,16,260 under II—Interest and profit on investments.

EXPENDITURE

24 (1). The expenditure for the year amounted to Rs. 72,76,541 against Rs. 65,76,970 for the previous year showing an increase of Rs. 6,99,571. This is made up of increase of Rs. 6,99,571 under Maintenance of properties. The expenditure of Rs. 72,76,541 comprises of (1) Rs. 25,41,594 under Maintenance of properties etc. and (2) Rs. 47,34,947 under Debt Charges. The net deficit of Rs. 34,88,070 is transferred to Capital Account.

(Suburban Section)

INCOME

24 (2). The total income for the year amounted to Rs. 13,35,578 against Rs. 7,59,336 for the previous year showing net increase of Rs. 5,76,242. This is made up of increase of Rs. 1,15,545 under I—(a) Rent and other proceeds of properties, Rs. 5,681 under (b) Receipts from social Welfare Centre at S. G. Barve Nagar and Rs. 4,83,206 under IV—Miscellaneous Receipts. Counterbalanced by decrease of Rs. 28,190 under III—Interest & profits on Investment.

EXPENDITURE

24(3). The expenditure for the year amounted to Rs. 58,64,563 as against Rs. 52,67,636 for the previous year showing net increase of Rs. 5,96,927. This is made up of Rs. 5,96,927 under Maintenance of properties etc. The expenditure of Rs. 58,64,563 comprises of (1) Rs. 16,38,824 under Maintenance of properties etc., and (2) Rs. 42,25,739 under Debt charges. The net deficit of Rs. 45,28,985 is transferred to Capital Account.

SLUM IMPROVEMENT

GENERAL ACCOUNT

INCOME

24(4). The total income for the year amounted to Rs. 5,02,66,069 against Rs. 3,84,62,846 for the previous year showing net increase of Rs. 1,18,03,223. This is made up of increase of (1) Rs. 5,28,191 under A.—Hutment Colonies and (2) Rs. 1,12,75,032 under B.—Contribution from Budget 'A'. The income of Rs. 5,02,66,069 comprises of (1) Rs. 1,07,62,999 from Hutment Colonies and (2) Rs. 3,95,03,070 contribution from Budget 'A'.

EXPENDITURE

24(5). The expenditure for the year amounted to Rs. 5,02,66,069 as against Rs. 3,84,62,846 for the previous year showing net increase of Rs. 1,18,03,223. The expenditure of Rs. 5,02,66,069 comprises of (1) Rs. 4,86,51,535 on maintenance of Hutment Colonies and Rs. 16,14,534 on Debt Charges.

CAPITAL ACCOUNT

(City Section)

25. The negative opening balance on 1st April 1980 was Rs. 18,46,104. No fresh Loan was raised during the year. The total expenditure amounted to Rs. 14,45,060. The deficit in the General Account amounting to Rs. 34,88,070 was transferred to Capital Account. The deficit for the year amounting to Rs. 49,33,130 was met by taking an advance from Surplus money of Budget 'A' Division—I. Thus the closing balance stood at deficit of Rs. 67,79,234 (Rs. 18,46,104 for 1979-80 plus Rs. 49,33,130 for 1980-81).

SINKING FUND

25(1). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1980.	Interest etc. realisation.	Sinking Fund Instalments	Withdrawn for repayment of loans	Excess Accumulation transferred to General Account.	Amount of Fund on 31st March 1981.
Rs. 1,64,77,717	Rs. 9,59,934	Rs. 11,20,858	Rs. ..	Rs. 8,64,000	Rs. 1,76,94,509

The Sinking Fund on 31st March 1981 amounts to Rs. 1,76,94,509 of which Rs. 1,76,94,480 represent the book value of securities and Rs. 29 in cash with the State Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par the market value of the Sinking Fund investment held on 31st March 1981 comes to Rs. 1,76,96,200. This together with the amount of interest accrued upto 31st March 1981 viz., Rs. 1,13,379 and cash with the State Bank of India viz. Rs. 29 brings the total amount of the Sinking Fund to Rs. 1,78,09,608 against Rs. 1,67,00,535 the amount to which Sinking Fund should have accumulated upto 31st March 1981. The excess in Sinking Fund Investment Account is thus Rs. 11,09,073.

CAPITAL ACCOUNT

(Suburban Section).

25(2). The negative Opening Balance on 1st April 1980 was Rs. 40,61,240. During the year under report the sale proceeds of lands and buildings amounted to Rs. 1,06,852. The total Funds available for expenditure were thus Rs. 1,06,852. The total expenditure amounted to Rs. 3,66,028. The deficit in the General Account amounting to Rs. 45,28,985 was transferred to Capital Account. The deficit of Rs. 47,88,161 was met by taking an advance from Surplus Money of Budget 'A' Division—I. Thus the closing balance stood at deficit of Rs. 88,49,401 (Rs. 40,61,240 for the year 1979-80 plus Rs. 47,88,161 for 1980-81).

SINKING FUND

25(3). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1980	Interest etc. realisation	Sinking Fund Instalments	Withdrawn for repayment of loans	Excess Accumulation transferred to General Account	Amount of Fund on 31st March 1981.
Rs. 1,05,02,056	Rs. 6,26,465	Rs. 9,85,606	Rs. ..	Rs. 5,00,000	Rs. 1,16,14,127

The Sinking Fund as on 31st March 1981 amounts to Rs. 1,16,14,127 of which Rs. 1,16,14,070 represent the book value of the securities and Rs. 57 in cash with the State Bank of India. Valuing the Bombay Municipal and Improvement Trust Debentures at par the market value of the Sinking Fund investment held on 31st March 1981 comes to Rs. 1,16,14,100. This together with the amount of interest accrued upto 31st March 1981 viz., Rs. 63,609 and cash with State Bank of India viz. Rs. 57 brings the total amount of the Sinking Fund to Rs. 1,16,77,766 against Rs. 1,10,17,255 the amount to which Sinking Fund should have accumulated upto 31st March 1981. The excess in the Sinking Fund Investment Account is thus Rs. 6,60,511.

CAPITAL ACCOUNT

(Slum Improvement)

25(4). The negative Opening Balance on 1st April 1980 was Rs. 1,60,55,173. During the year under report, reimbursement of Capital expenditure from Maharashtra Slum Improvement Board was Rs. 83,27,436. The total Funds available for expenditure were Rs. 83,27,436. The total expenditure amounted to Rs. 1,44,99,666. The deficit of Rs. 61,72,230 was met by taking an advance from surplus monies. The total advance from surplus monies of Budget 'A', Division I, thus amounted to Rs. 2,22,27,403 at the close of the year (Rs. 1,60,55,173 for 1979-80 and Rs. 61,72,230 for 1980-81).

SINKING FUND

25(5). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1980.	Interest etc. realisation.	Sinking Fund Instalments.	Withdrawn for repayment of loans.	Amount of Fund on 31st March 1981.
Rs. 11,63,467	Rs. 70,716	Rs. 3,64,534	Rs. ..	Rs. 15,98,717

The Sinking Fund as on 31st March 1981 amounts to Rs. 15,98,717 of which Rs. 15,98,700 represent the book value of the securities and Rs. 17 in cash with the State Bank of India. Valuing the Bombay Municipal Debentures at par the market value of the Sinking Fund investment held on 31st March 1981 comes to Rs. 15,98,700. This together with the amount of interest accrued upto 31st March 1981 viz., Rs. 269 and cash with the State Bank of India viz., Rs. 17 brings the total amount of the Sinking Fund to Rs. 15,98,986 against Rs. 15,94,964 the amount to which Sinking Fund should have accumulated upto 31st March 1981. The excess in the Sinking Fund Investment Account is thus Rs. 4,022.

EDUCATION FUND

26(i). The following Statement summarises the transactions for the year pertaining to Revenue Budget and the Actuals for the preceding year :-

Revenue Budget 'E'	1980-81			1979-80.
	Budget Estimates.	Revised Estimates.	Actuals.	Actuals
Opening Balance ..	Rs. 33,587	Rs. 60,740	Rs. 60,740	Rs. 39,33,277
Income ..	27,92,59,990	27,51,70,400	27,97,80,695	22,85,04,409
Expenditure ..	27,57,40,110	27,27,73,950	26,89,49,299	23,24,51,954
Surplus or Deficit during the Year (+) (-) ..	+35,19,880	+23,96,450	+1,08,31,396	-39,47,545
Balance ..	35,53,467	24,57,190	+1,08,92,136	-14,268
Add—Decrease or Deduct—Increase in Reservations as shown in (ii) below ..	..	..	-59,60,898	+75,008
Closing Balance ..	+35,53,467 (Surplus)	+24,57,190 (Surplus)	+49,31,238 (Surplus)	+60,740 (Surplus)

Statement showing the comparative position between the Revised Estimates and the Actuals for the year 1980-81.

(Rs. in Lakhs)

Revenue Budget 'E'	Revised Estimates for 1980-81	Actuals for 1980-81	Difference Increase (+) Decrease (-)
Opening Balance ..	Rs. 0.61	Rs. 0.61	Rs. ..
Income ..	27,51.70	27,97.81	+46.11
Expenditure ..	27,27.74	26,89.49	-38.25
Surplus/Deficit (+) (-) ..	+24.57	+1,08.93	+84.36

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

Increase/Decrease (+) (-)	1980-81	1979-80
In Miscellaneous Advances ..	Rs. +1,66,60,898	Rs. -82,75,008
In Renewed Grants ..	-1,07,00,000	+82,00,000
Net Increase or Decrease. (+) (-) ..	+ 59,60,898	-75,008

(iii) The net unhypothecated surplus Cash Balance on 31st March 1981 was as under :-

Liability	Assets.
Miscellaneous Advance ..	Surplus Revenue Fund As per appendix No. 59 ..
Minimum required by Law ..	
Surplus Cash Balance ..	
Total ..	Total ..

Miscellaneous Advance ..	Rs. 2,00,22,273	Surplus Revenue Fund As per appendix No. 59 ..	Rs. 2,49,53,511
Minimum required by Law ..	20,000		
Surplus Cash Balance ..	49,11,238		
Total ..	2,49,53,511	Total ..	2,49,53,511

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

Opening Debt on 1st April 1980.	Loan raised during the year.	Repayment of Debt during the year.	Outstanding Debt on 31st March 1981.
Rs. 19,59,00,000	Rs. 55,00,000	Rs. 27,50,000	Rs. 19,86,50,000

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

Amount of Fund on 1st April 1980.	Interest etc. realised.	Sinking Fund Instalments	Total Sinking Fund	Withdrawal for Repayment of Loan	Amount of Fund on 31st March 1981
Rs. 4,09,22,405	Rs. 25,47,988	Rs. 90,05,108	Rs. 5,24,75,501	Rs. 27,50,000	Rs. 4,97,25,501

The value of Securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1981 including accrued interest and cash exceeded the actuarial amount of the Sinking Fund by Rs. 1,11,72,595 which is held in the Sinking Fund Account.

Income

(vi) The Estimated Income for the year was Rs. 27,92,59,990 and that as per the Revised Estimate was Rs. 27,51,70,400. The Actuals amounted to Rs. 27,97,80,695 resulting in increase of Rs. 5,20,705 on the Budget Estimates and Rs. 46,10,295 on the Revised Estimates, respectively. The increase as per Revised Estimate is mainly due to the Education Cess Rs. 38,70,591, Grant-in-aid from Government Rs. 17,57,450 and Miscellaneous Receipts Rs. 4,52,285 which is counterbalanced by decrease in Rent and other proceeds of properties Rs. 14,70,031.

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

Expenditure

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 30,81,60,860 as follows :—

Budget Grants	Rs. 27,57,40,110
Unexpended Grants for previous years renewed for Expenditure ..	3,07,00,000
Additional Grants	17,20,750
Final sanctioned Grants ..	30,81,60,860

The transfers from one Budget Grants to another without affecting the total Budget provision of the year amounted to Rs. 61,56,100.

(viii) Against the Final Grant of the year aggregating to Rs. 30,81,60,860 as stated above, the Actuals amounted to Rs. 26,89,49,299 leaving an unexpended balance of Rs. 3,92,11,561 at the close of the year. Of this a sum of Rs. 2,00,00,000 is being renewed for expenditure during 1981-82 against Rs. 3,07,00,000 in 1980-81 and balance of Rs. 1,92,11,561 is being allowed to lapse as savings.

(ix) The percentage of Establishment cost inclusive of expenditure on Dearness Allowance, Provident Fund, and Pension etc., charges to the total expenditure for 1980-81 as compared with the previous years percentage is given below :—

Establishment.	Establishment Cost	Percentage to the total expenditure during	
		1980-81	1979-80
(1) Supervisory and Subordinate ..	Rs. 20,45,63,769	76.92	75.48
(2) Labour, Technical and others ..	2,20,96,116	8.30	7.51
Total ..	22,66,59,885	85.22	82.99

Loan Funds

(x) Opening balance on 1st April 1980 on account of Loan Funds excluding the Trust Fund was Rs. 2,19,85,430. The amount of new loan proposed in the Budget for 1980-81 was Rs. 250 lacs. A loan of Rs. 55 lacs was raised during the year. The total Loan Fund available for expenditure during the year thus amounted to Rs. 2,74,85,430.

The expenditure incurred on Loan Works during the year amounted to Rs. 1,85,70,757 leaving an unexpended balance of Rs. 89,14,673 at the close of the year.

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

Years.	Loans and Trust Fund.			Percentage of Actuals to Budget Estimates.	Percentage of Actuals to Revised Estimates.
	Budget Estimates.	Revised Estimates.	Actuals		
	Rs.	Rs.	Rs.		
1978-79 ..	6,75,59,000	5,84,17,000	2,69,64,000	40.0	46.0
1979-80 ..	7,73,05,800	5,38,94,200	1,52,11,864	19.7	28.2
1980-81 ..	6,33,70,900	6,30,50,400	1,85,70,757	29.3	29.5

The percentage of actual expenditure to the funds available works out to 67.6.

SINKING FUND

(xii) The book value of investments of Sinking Fund as on 31st March 1981 amounted to Rs. 4,97,25,501 made up of Rs. 4,97,25,441 in Securities and Rs. 60 in cash with the State Bank of India. Valuing the Municipal Debentures at par, the market value of the Sinking Fund investment held on 31st March 1981 comes to Rs. 4,97,25,108. This together with the amount of interest accrued upto 31st March 1981 viz., Rs. 6,17,148 and cash with the State Bank of India of Rs. 60 brings the total amount of Sinking Fund to Rs. 5,03,42,316 and more than covers the amount of Rs. 3,91,69,721 to which the Sinking Funds should have accumulated upto 31st March 1981. The excess in Sinking Fund Account was Rs. 1,11,72,595.

R. S. PEDNEKAR
Chief Accountant.

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

Particulars.	1976-77.	1977-78.	1978-79	1979-80.	1980-81.
<i>General</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	438.1963	438.1963	438.1963	438.2256	464.79
2. Population ...	*§ 59,70,575	*§59,70,575	*§ 59,70,575	*§ 59,70,575	† 82,92,542
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	1,34,32,51,792	1,36,11,55,271	1,37,76,35,838	1,46,14,18,814	1,56,01,40,556
4. Rateable value Rs. per head of population.	Rs. 224.98	Rs. 227.98	Rs. 230.74	Rs. 244.77	Rs. 188.14
5. Properties registered in the Assessment Book	2,19,351	2,17,461	1,97,632	1,97,073	2,04,293
<i>Income.</i>					
6. General Tax (@24% of R.V.) ...	Rs. 26,89,11,723	Rs. 29,63,69,649	Rs. 29,21,51,377	Rs. 31,87,11,960	Rs. 33,87,68,724
7. Income from other sources ...	65,67,08,566	75,29,68,546	81,18,07,994	93,53,67,521	1,01,05,48,312
Total Income	92,56,20,289	1,04,93,38,195	1,10,39,59,371	1,25,40,79,481	1,34,93,17,036
8. Incidence of Taxation per head	§§ 130.42	§§ 142.99	§§ 152.43	§§ 175.62	§§ 133.51
<i>Loans.</i>					
9. Debt outstanding ...	Rs. 83,25,96,283	Rs. 1,03,85,04,450	Rs. 1,21,08,93,799	Rs. 1,42,19,18,260	Rs. 1,67,82,83,296
10. Redemption and Sinking Funds in hand or invested ...	20,58,42,401	25,69,70,703	26,36,65,127	28,60,38,239	39,51,26,097
11. Net Loan Debt ...	62,67,53,882	78,15,33,747	94,72,28,672	1,13,58,80,021	1,28,31,57,199
12. Net Debt per head of population ...	104.97	130.90	158.65	190.25	154.74
<i>Expenditure</i>					
13. Primary Education ...	Rs. 12,15,73,726	Rs. 14,10,33,928	Rs. 13,93,09,854	Rs. 14,23,58,157	Rs. 18,73,28,729
14. Medical Relief ...	18,31,80,725	21,41,48,410	22,46,79,071	25,48,05,751	28,31,45,017
15. Other City services ...	44,81,06,451	60,70,32,041	58,32,79,672	59,50,40,103	74,14,92,576
16. Debt Charges ..	7,27,09,990	9,17,37,674	11,19,62,551	14,75,47,068	16,35,53,207
Total Expenditure ...	82,55,70,892	1,05,39,52,053	1,05,92,31,148	1,13,97,51,079	1,37,55,19,529

* 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 intimated by H. O.

APPENDIX No. 2

(Consolidated)

Revenue Account for the year ended 31st March 1981

Particulars	Total		Particulars.	Total.	
	Rs.	P.		Rs.	P.
To Revenue Expenditure ...	1,37,55,19,528.75		By Revenue Receipts ...	1,34,93,17,035.61	
			Deficit for the year ...	2,62,02,493.14	
	1,37,55,19,528.75			1,37,55,19,528.75	
	Rs.	P.		Rs.	P.
To Revenue Expenditure to be incurred in 1981-82 and provided for as renewed grants ...	7,50,00,000.00		By Surplus Revenue Fund as at 1st April 1980 ...	27,70,31,735.73	
To Balance being Surplus Revenue Fund as at 31st March 1981 as per Appendix No. 5 of Division I +	1,18,62,88,811.74		By Deficit for the year ...	2,62,02,493.14	
" II -	63,15,80,979.06			25,08,29,242.59	
" III -	30,38,78,590.09		By Revenue of previous years reserved for the year 1980-81 ...	7,50,00,000.00	
	25,08,29,242.59			7,50,00,000.00	
	32,58,29,242.59			32,58,29,242.59	

Appendix No. 5
(Consolidated)

Revenue Account, Balance Sheet as at 31-3-1981

LIABILITIES	AMOUNT				ASSETS	AMOUNT			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
(A) Outstanding liabilities					Cash at Bank—				
Cash Bill Outstanding					Div. I (Dr.) ...	8,72,13,396.64			
Budget 'A' Div. I ..	10,63,189.81				Div. II (Dr.) ...	4,56,946.15			
.. II ..	3,13,435.25				Div. III (Dr.) ...	52,18,595.58			Dr.
.. III ..	2,00,684.61								9,28,88,938.37
			15,77,309.67		Cash in Office—				
Cheques Payable A/c					Div. I ...	5,89,04,119.79			
Budget 'A' Div. I ..	49,47,733.31				Div. II ...	4,10,63,674.30			
.. II ..	72,08,545.04				Div. III ...	1,61,09,132.78			11,60,76,926.87
.. III ..	57,84,084.33			1,79,40,362.68					
Stores Purchase Outstanding A/c.			14,98,224.45		Municipal Loans-Interest Warrant Payable Account				
Stock Adjustment A/c.			2,05,670.41		Budget 'A' Div. I ..	39,504.07			
Capital Stores Purchase A/c (Foras Rd.)			372.56		.. II ..	15,262.25			
					.. III ..	14,182.00			68,948.32
Outstanding charges for 1980-81 and previous years					B.I.T. Loans Interest Warrant Payable Account				6,054.55
Budget 'A' Div. I ..	4,25,00,000.00				Interest on B.I.T. Loans payable Account				760.00
.. II ..	2,00,00,000.00				Current Account with State Bank of India for payment of Interest on Suburban Loans				96,772.04
.. III ..	1,25,00,000.00			7,50,00,000.00	Budget 'A' Div. II ..				
Outstanding charges in respect of Interest Accrued but not paid					Current Account with State Bank of India for repayment payable A/c.				10,500.00
Budget 'A' Div. I ...	70,95,739.32				Due for Stores Sold				3,50,89,086.29
.. II ...	79,72,420.09				Advances Recoverable Account				
.. III ...	44,86,238.58			1,95,51,297.99	Budget 'A' Div. I ..	22,40,65,116.71			
Deposit in Cash and Public Securities from contractors and Private Parties					.. II ..	7,91,92,705.99			
Budget 'A' Div. I ...	38,33,19,320.45				.. III ..	1,78,56,755.40			32,11,14,578.10
.. II ...	29,39,65,723.83			81,06,61,002.49	Reserve Stores purchase A/c.				3,06,835.02
.. III ...	13,33,95,458.21				Capital Stores Purchase A/c.				68,90,442.33
Interest on loans payable A/c					Unadjusted Reserve Stores A/c. Stock				1,25,25,240.15
Budget 'A' Div. I ...	3,12,154.00				Unadjusted Reserve Stores A/c. Stores (F. R.)				60,794.42
.. II ...	1,92,345.27			6,22,128.52	Advance from Surplus Monies for levelling metalling of Private Streets				31,70,391.86
.. III ...	1,17,629.25				Advance from Surplus Monies for Capital Account Improvement Scheme Sl. Cl. City/Subs. & Sl. Impt.				7,77,46,548.81
Amount Payable to Budget 'E' ...			5,55,48,316.77		Deposit in Securities from public with State Bank of India				
Amount Payable to Budget G ...			48,48,25,544.77		Budget 'A' Div. I ..	1,06,60,630.00			
					.. II ..	7,05,940.12			
					.. III ..	3,58,550.00			1,17,25,120.12
Total—Outstanding Liabilities			146,74,53,329.71		In Office.				
					Budget 'A' Div. I ..	2,37,850.00			
					.. II ..	7,48,550.00			19,63,475.00
					.. III ..	9,77,075.00			
					Investment of Surplus Monies in Public Securities				38,013.14
					Investments of Balance held—				
					In Securities	4,72,91,577.18			
					In Fixed Deposits	92,18,35,500.00			
					In Interest bearing Current A/c.	42,57,606.33			
					In Cash with S. B. I.	67,097.55			97,34,51,781.06
Total C. F...			146,74,53,329.71		Total C. F. ...				146,74,53,329.71

Appendix No. 5—Contd.

(Consolidated)

LIABILITIES	AMOUNT				ASSETS	AMOUNT			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total—B.O. ...			1,46,74,53,329.71		Total—B.O. ...			1,46,74,53,329.71	
(B) Special Fund Account.					Investment of Special Funds in Securities.				
Municipal Fire and Accident Insurance Fund A/c. ...			63,89,987.44		Provident Fund ...			57,34,18,524.81	
Net Premia Fund Account ...			18,39,052.58		Fidelity Guarantee Ins. Fund ...			8,03,400.00	
Provident Fund Account ...			57,34,18,610.41		Motor Vehicles (Third Party) Ins. Fund ...			9,77,100.00	
Hospital Fund Account— Budget 'A' Division I ...	20,14,383.72				Endowment Fund ...			13,61,016.89	
.. II ...	1,41,691.87				Public Monument Maintenance Fund				
.. III ...	94,500.00		22,50,575.59		Budget 'A' Division; I ...	1,22,873.34			
Welfare Fund ...			...		.. II ...	16,300.00		1,39,173.34	
S.S.M. College K.E.M. Hospital Research Fund Account ...			8,76,109.57		Hospital Fund— Budget 'A' Division; II ...	1,41,600.00			
Fidelity Guarantee Insurance Fund A/c. ...			8,03,466.60		.. III ...	94,500.00		2,36,100.00	
Motor Vehicles (Third party) Insurance Fund A/c ...			10,27,181.11		Total—Inv. in Securities ...			57,69,35,315.04	
Land R. A. Fund Account ...			1,72,10,295.55		Investment of Special Fund in Fixed Deposit and Cash etc.				
Pension Fund Account ...			25,12,65,368.13		Municipal Fire and Accident Insurance Fund ...			63,89,987.44	
Gratuity Fund Account ...			...		Net Premia Fund ...			18,39,052.58	
Public Monument Maintenance Fund Account— Budget 'A' Division; I ...	1,22,965.34				Provident Fund ...			85.60	
.. II ...	16,317.94		1,39,283.28		Hospital Fund Budget 'A' Division; I ...	20,14,383.72			
Endowment Fund Account ...			14,16,230.04		.. II ...	91.87		20,14,475.59	
Fire Brigade Employees (Operational Staff) Accident Compensation Fund ...			2,15,441.07		Development Fund for Secondary Schools ...			38,80,602.37	
Tree Authority Fund ...			19,94,235.24		Total—Special Fund A/c. ...			86,27,26,438.98	
Total—C.F. ...			2,33,01,79,768.69		Total C.F. ...			1,02,43,601.21	
					Total—C.F. ...			2,04,43,88,644.75	

Appendix No. 5—(Concl.)
(Consolidated)

LIABILITIES	Amount				ASSETS	Amount			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total B.O....			2,33,01,79,768.69		Total B.O....			2,04,43,88,644.75	
					Total B.O. ...			1,02,43,601.21	
					G. S.M. College and K.E. M. Hospital Research Fund ..			8,76,109.57	
					Fidelity Guarantee Insurance Fund ..			66.69	
					Land R. A. Fund ..			1,72,10,295.55	
					Motor Vehicle (Third Party) Insurance Fund ..			50,081.11	
					Pension Fund ..			25,12,65,368.13	
					Gratuity Fund ..			...
					Endowment Fund ..			55,213.15	
					Public Monuments Maintenance Fund. Budget 'A' Div. I ..				
					" II ..	92.00			
						17.94		109.94	
					Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..			2,15,441.07	
					Development Fund for Secondary Schools ..			38,80,602.37	
					Tree Authority Fund ..			19,94,235.24	
					Total Investment in Fixed Deposits and in Cash ..			28,57,91,123.94	
					Total Investment Special Fund ..			86,27,26,438.98	
(C) Surplus Revenue Fund A/c.					Investment of Surplus Revenue Fund				
Budget 'A' Div. I ..	1,18,62,88,811.74				General Reserve Stores Account Stock—(App. 17) ..			71,53,617.11	
Deficit " II ..	-63,15,80,979.06				Plant & Machinery Purchased out of S.C.B. Div. III ..			11,576.33	
Deficit " III ..	-30,38,78,590.09				Advances out of S.C.B. Budget 'A' Div. I ..	8,08,32,827.57			
			25,08,29,242.59		" II ..	6,33,50,218.10			
					" III ..	2,72,61,052.84			17,14,44,098.91
					Investments of Balance held—				
					In Securities ..				
					In Fixed Deposits ..	7,00,00,000.00			
					In Interest bearing Current A/c. ..	22,19,950.64			7,22,19,950.64
					Total Surplus Revenue Fund ..				25,08,29,242.59
Grand Total...			2,58,10,09,011.28		Grand Total ..				2,58,10,09,011.28

Investments in Surplus Fund

Budget 'A'	Paper Securities	Fixed Deposit	Interest bearing Current A/c.	State Bank of India Cash Deposits	Total
	Rs.	Rs.	Rs.	Rs.	Rs.
Division I	4,03,42,239.98	99,18,35,500.00	64,76,443.26	62,968.01	103,87,17,151.25
Division II	54,03,927.20	...	1,113.71	4,129.54	54,09,170.45
Division III	15,45,410.00	..	...	...	15,45,410.00
Total	4,72,91,577.18	99,18,35,500.00	64,77,556.97	67,097.55	104,56,71,731.70

APPENDIX No. 7 (Consolidated)

CAPITAL FUND BALANCE SHEET AS AT 31ST MARCH 1981 (Budget 'A')

PARTICULARS	LIABILITIES					ASSETS					
	Div. I		Div. II	Div. III	TOTAL	PARTICULARS	Div. I	Div. II	Div. III	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Loan Outstanding Due to Public		75,34,48,463.56	59,15,44,915.00	33,32,89,918.00		1,67,82,83,296.56					
Advances from Surplus monies											
Trust Fund Account—											
Donation from—											
The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the Construction of Orchard House at Victoria Garden		1,694.50				1,694.50					
Reserve Bank of India for construction of a ward of 38/40 beds for accommodating their sick employees in K. E. M. Hospital		46,577.39				46,577.39					
						48,271.89					
SURPLUS—											
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans		42,32,25,903.91	15,68,21,315.11	9,29,20,590.00		67,29,67,809.02					
Contribution from Special Fund		8,03,171.02				8,03,171.02					
Do. Revenue for Loan Works Establishment		17,869.98				17,869.98					
Do. Port Trust		1,56,500.00				1,56,500.00					
Do. Government for Schools		5,00,000.00				5,00,000.00					
Do. Government for widening the Love Grove Bridge		91,234.00				91,234.00					
Do. Land and Buildings Fund		43,03,043.42				43,03,043.42					
Do. Development Fund		1,29,89,110.46				1,29,89,110.46					
Do. Revenue towards Bai Jerbai Wadia Hospital for Children		7,00,000.00				7,00,000.00					
Do. Trust Fund		83,23,829.47	4,25,215.69			87,49,045.16					
Do. Trustees Gokuldas Tejpal Charities		18,123.64				18,123.64					
Do. Budget 'A' Division I			3,00,000.00			3,00,000.00					
Grant-in-aid from Govt. for widening the Road in Colaba Division		12,975.87				12,975.87					
Loan Redemption Fund	37,34,79,320.50		7,54,01,859.57	1,32,38,710.00		46,21,19,890.07					
as : Assets written off	6,14,15,684.30	31,20,63,636.20	2,71,934.56	7,51,29,925.01	1,32,38,710.00	6,16,87,618.86					
						40,04,32,271.21					
						1,10,20,41,153.78					
						2,78,03,72,722.23					
Grand Total		1,51,67,02,133.42	82,42,21,370.81	43,94,49,218.00		2,78,03,72,722.23	Grand Total	1,51,67,02,133.42	82,42,21,370.81	43,94,49,218.00	2,78,03,72,722.23

APPENDIX No. 6
(CONSOLIDATED)
Capital Works Expenditure Budget 'A' (Summary).

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1980.				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1980-81				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1981.			
	Div. I	Div. II	Div. III	Total Budget 'A'	Div. I	Div. II	Div. III	Total Budget 'A'	Div. I	Div. II	Div. III	Total Budget 'A'
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Loan Funds—												
I.—General Supervision etc.	3,83,45,325	1,53,78,390	56,24,412	5,93,48,127	18,68,676	15,00,669	2,63,819	35,78,184	4,02,14,001	1,68,79,079	58,33,231	6,29,26,311
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	2,27,91,483	93,96,663	1,40,79,567	4,62,67,713	30,99,871	7,74,495	Cr. 3,13,599	35,60,767	2,58,91,354	1,01,71,158	1,37,65,968	4,98,28,480
IV.—S. W. Drains etc.	26,63,20,410	23,32,38,284	10,76,91,466	60,72,50,160	40,43,546	58,37,819	42,24,568	1,41,06,333	27,03,63,956	23,90,76,104	11,19,16,433	62,13,56,493
V.—Mechanical	23,83,949	50,501	17,075	24,51,525	..	..	..	..	23,83,949	50,501	17,075	24,51,525
VI.—Bldgs. Land Acqn. etc.	10,53,44,432	4,28,70,674	1,23,92,194	16,06,07,300	62,36,224	Cr. 2,86,614	Cr. 5,68,663	53,80,947	11,15,80,656	4,25,84,060	1,18,23,531	16,59,88,247
VII.—Fire Brigade	97,46,258	28,31,252	44,14,544	1,69,92,054	86,524	20,88,052	10,79,926	32,54,502	58,32,782	49,19,304	54,94,470	2,02,46,556
Licensing, Removal of Encroachments	10,24,371	..	..	10,24,371	..	..	..	..	10,24,371	..	..	10,24,371
IX.—Gardens & Open Spaces	2,45,16,624	1,16,31,184	75,02,469	4,36,50,277	11,81,071	26,49,247	24,06,612	62,36,930	2,56,97,695	1,42,86,431	99,09,081	4,98,87,207
X.—Markets & Slaughter Houses	4,06,14,792	2,17,79,858	39,26,895	6,63,21,545	31,66,724	32,74,918	22,465	64,64,107	4,37,81,516	2,50,54,776	39,49,360	7,27,85,652
XI.—Deonar Abattoir	5,52,19,157	..	..	5,52,19,157	1,09,867	..	..	1,09,867	5,53,29,024	..	..	5,53,29,024
Slum Service	50,75,492	..	..	50,75,492	..	..	..	..	50,75,492	..	..	50,75,492
XII.—Village Amenities	..	45,15,878	12,58,215	57,74,093	..	1,07,519	1,91,757	2,99,276	..	46,23,397	14,49,972	60,73,369
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	1,05,27,281	80	..	1,05,27,361	45,698	..	..	45,698	1,05,72,979	80	..	1,05,73,059
XV.—Traffic Operations	7,83,48,654	11,75,44,341	7,17,22,536	26,76,15,531	5,01,92,991	5,10,87,365	4,45,19,249	14,57,99,605	12,85,41,645	16,86,31,706	11,62,41,785	41,34,15,136
XXI.—Public Health Department	1,87,20,784	85,31,332	17,04,414	2,89,56,530	10,75,650	22,62,122	3,58,660	36,96,432	1,97,96,434	1,07,93,454	20,63,074	3,26,52,962
XXII.—Medical Relief & Education	13,55,11,411	5,43,91,351	2,95,66,510	21,34,69,272	1,41,28,844	81,61,887	16,79,109	2,39,69,840	14,96,40,255	6,25,53,238	2,52,45,619	23,74,39,112
XXIII.—Measures to control environmental air pollution in Greater Bombay	30,86,016	..	..	30,86,016	30,99,282	..	..	30,99,282	61,85,298	..	..	61,85,298
Suspense Account, Mechanical Transport Plant and Machinery out of different Special Funds	1,35,588	96,24,953	..	97,60,541	10,77,037	9,05,115	..	19,82,152	12,12,625	1,05,30,068	..	1,17,42,693
Plant and Machinery out of Loan Funds	16,23,750	1,21,93,109	3,74,134	1,41,90,993	Cr. 15,67,927	..	..	Cr. 15,67,927	55,823	1,21,93,109	3,74,134	1,26,23,066
Plant and Machinery out of Loan Funds	5,21,25,952	15,09,907	33,52,671	5,69,88,530	2,50,66,960	Cr. 41,72,380	11,51,169	2,20,45,689	7,71,92,852	Cr. 26,62,473	45,03,840	7,90,34,219
XIV.—Centenary Celebration Works	..	50,96,872	32,67,482	83,64,354	..	12,96,511	20,90,645	35,87,156	..	63,93,383	53,58,127	1,17,51,510
Municipal Power Laundry	1,632	..	..	1,632	..	..	..	..	1,632	..	..	1,632
Discount & Other charges on Loans	2,47,514	..	45,223	2,92,737	Cr. 47,163	..	..	Cr. 47,163	2,00,351	..	45,223	2,45,574
Total (1) Loan Fund	87,65,45,303	55,07,75,693	26,09,39,807	1,68,82,60,803	11,28,63,815	7,54,86,745	5,70,51,117	24,54,01,677	98,94,09,118	62,62,62,439	31,79,90,923	1,93,36,62,480
(2) Trust Fund												
Works executed	83,23,829	3,27,408	..	86,51,237	..	..	..	..	83,23,829	3,27,408	..	86,51,237
Land Bldg. Fund	43,03,044	..	..	43,03,044	..	..	..	..	43,03,044	..	..	43,03,044
Land purchased and Buildings erected	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total	88,91,72,176	55,11,03,101	26,09,39,807	1,70,12,15,084	11,28,63,815	7,54,86,745	5,70,51,117	24,54,01,677	1,00,20,35,991	62,65,89,847	31,79,90,923	1,94,66,16,761

APPENDIX No. 11
(CONSOLIDATED)

Outstanding Balances of Loans on 31st March 1981 pertaining to Budget 'A'

No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1981	Serial No	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1981.
1	2	3	4	1	2	3	4
	BUDGET 'A' DIV. I		Rs.		BUDGET 'A' DIV. II		Rs.
	Loans raised from Public				Loans raised from Public		
1	Rs. 130 lakhs Loan 1956-57	4 %	1,30,00,000.00	41	Rs. 10 lakhs Loan 1960-61	4½%	10,00,000.00
2	Rs. 100 lakhs Loan 1957-58	4½%	1,00,00,000.00	42	Rs. 50 lakhs Loan 1961-62	4½%	50,00,000.00
3	Rs. 100 lakhs Loan 1958-59	4½%	1,00,00,000.00	43	Rs. 50 lakhs Loan 1963-64	4½%	50,00,000.00
4	Rs. 170 lakhs Loan 1960-61	4½%	1,70,00,000.00	44	Rs. 70 lakhs Loan 1964-65	4½%	70,00,000.00
5	Rs. 225 lakhs Loan 1961-62	4½%	2,25,00,000.00	45	Rs. 50 lakhs Loan 1965-66	6 %	50,00,000.00
6	Rs. 150 lakhs Loan 1962-63	4½%	1,50,00,000.00	46	Rs. 50 lakhs Loan 1966-67	6 %	50,00,000.00
7	Rs. 235 lakhs Loan 1963-64	4½%	2,35,00,000.00	47	Rs. 50 lakhs Loan 1967-68	6 %	50,00,000.00
8	Rs. 100 lakhs Loan 1964-65	4½%	1,00,00,000.00	48	Rs. 50 lakhs Loan 1968-69	6 %	50,00,000.00
9	Rs. 300 lakhs Loan 1965-66	6 %	3,00,00,000.00	49	Rs. 100 lakhs Loan 1969-70	6 %	1,00,00,000.00
10	Rs. 200 lakhs Loan 1965-66	6 %	2,00,00,000.00	50	Rs. 220 lakhs Loan 1970-71	6 %	2,20,00,000.00
11	Rs. 400 lakhs Loan 1966-67	6 %	4,00,00,000.00	51	Rs. 170 lakhs Loan 1970-71	6 %	1,70,00,000.00
12	Rs. 250 lakhs Loan 1966-67	6 %	2,50,00,000.00	52	Rs. 350 lakhs Loan 1971-72	6 %	3,50,00,000.00
13	Rs. 800 lakhs Loan 1967-68	6 %	8,00,00,000.00	53	Rs. 150 lakhs Loan 1972-73	6 %	1,50,00,000.00
14	Rs. 300 lakhs Loan 1968-69	7 %	3,00,00,000.00	54	Rs. 100 lakhs Loan 1972-73	6 %	1,00,00,000.00
15	Rs. 325 lakhs Loan 1968-69	6 %	3,25,00,000.00	55	Rs. 100 lakhs Loan 1973-74	6 %	1,00,00,000.00
16	Rs. 550 lakhs Loan 1969-70	6 %	6,15,98,000.00	56	Rs. 100 lakhs Loan 1973-74	6 %	1,00,00,000.00
17	Rs. 600 lakhs Loan 1969-70	7 %	6,00,00,000.00	57	Rs. 150 lakhs Loan 1974-75	6½%	1,50,00,000.00
18	Rs. 100 lakhs Loan 1970-71	6 %	1,15,41,000.00	58	Rs. 100 lakhs Loan 1974-75	6 %	1,00,00,000.00
19	Rs. 370 lakhs Loan 1971-72	6 %	4,07,00,000.00	59	Rs. 150 lakhs Loan 1975-76	6½%	1,50,00,000.00
20	Rs. 260 lakhs Loan 1972-73	6 %	2,86,00,000.00	60	Rs. 250 lakhs Loan 1975-76	6½%	2,50,00,000.00
21	Rs. 200 lakhs Loan 1972-73	6 %	2,00,00,000.00	61	Rs. 200 lakhs Loan 1976-77	6½%	2,00,00,000.00
22	Rs. 400 lakhs Loan 1972-73	6 %	4,00,00,000.00	62	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00
23	Rs. 400 lakhs Loan 1973-74	6 %	4,40,00,000.00	63	Rs. 250 lakhs Loan 1976-77	6½%	2,50,00,000.00
24	Rs. 250 lakhs Loan 1973-74	6 %	2,50,00,000.00	64	Rs. 600 lakhs Loan 1977-78	6½%	6,00,00,000.00
25	Rs. 250 lakhs Loan 1974-75	6½%	2,50,00,000.00	65	Rs. 450 lakhs Loan 1978-79	6½%	4,50,00,000.00
26	Rs. 150 lakhs Loan 1974-75	6½%	1,65,00,000.00	66	Rs. 250 lakhs Loan 1978-79	6½%	2,50,00,000.00
27	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00	67	Rs. 850 lakhs Loan 1979-80	6 %	8,50,00,000.00
28	Rs. 100 lakhs Loan 1975-76	6½%	1,00,00,000.00	68	Rs. 450 lakhs Loan 1980-81	7 %	4,50,00,000.00
29	Rs. 225 lakhs Loan 1976-77	6½%	2,47,50,000.00	69	Rs. 250 lakhs Loan 1980-81	6½%	2,50,00,000.00
30	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00		Total		63,14,00,000.00
31	Rs. 400 lakhs Loan 1977-78	6½%	4,40,00,000.00		Less: Loan amount transferred to Budget 'G'		-3,98,55,085.00
32	Rs. 400 lakhs Loan 1977-78	7½%	4,00,00,000.00		Total Div. II		59,15,44,915.00
33	Rs. 80 lakhs Loan 1978-79	6½%	80,00,000.00		BUDGET 'A' Div. III		
34	Rs. 150 lakhs Loan 1978-79	6½%	1,50,00,000.00		Loan raised from Public—		
35	Rs. 500 lakhs Loan 1978-79	8 %	5,00,00,000.00	70	Rs. 25 lakhs Loan 1957-58	4½%	25,00,000.00
36	Rs. 150 lakhs Loan 1979-80	6 %	1,65,00,000.00	71	Rs. 20 lakhs Loan 1958-59	4½%	20,00,000.00
37	Rs. 550 lakhs Loan 1979-80	7 %	5,50,00,000.00	72	Rs. 10 lakhs Loan 1960-61	4½%	10,00,000.00
38	Rs. 45 lakhs Loan 1980-81	7 %	4,95,00,000.00	73	Rs. 25 lakhs Loan 1964-65	4½%	25,00,000.00
39	Rs. 800 lakhs Loan 1980-81	6½%	8,00,00,000.00	74	Rs. 50 lakhs Loan 1965-66	6 %	50,00,000.00
40	US \$ 4.54 Millions Loan from World Bank (IBRD) thro. BMRDA	9.2%	1,42,91,080.30	75	Rs. 40 lakhs Loan 1966-67	6 %	40,00,000.00
	Total		1,20,02,80,080.30	76	Rs. 20 lakhs Loan 1967-68	6 %	20,00,000.00
	Less: Loan amount transferred to Budget 'G'		44,68,31,616.74	77	Rs. 75 lakhs Loan 1969-70	6 %	82,50,000.00
	Total Div. I		75,34,48,463.56	78	Rs. 165 lakhs Loan 1970-71	6 %	1,81,50,000.00
				79	Rs. 115 lakhs Loan 1970-71	6 %	1,26,50,000.00
				80	Rs. 150 lakhs Loan 1971-72	6 %	1,65,00,000.00
				81	Rs. 150 lakhs Loan 1972-73	6 %	1,65,00,000.00
				82	Rs. 100 lakhs Loan 1972-73	6 %	1,00,00,000.00
				83	Rs. 100 lakhs Loan 1973-74	6 %	1,00,00,000.00
				84	Rs. 50 lakhs Loan 1973-74	6 %	50,00,000.00
				85	Rs. 50 lakhs Loan 1974-75	6½%	55,00,000.00
				86	Rs. 50 lakhs Loan 1974-75	6½%	50,00,000.00
				87	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00
				88	Rs. 50 lakhs Loan 1975-76	6½%	50,00,000.00
				89	Rs. 150 lakhs Loan 1976-77	6½%	1,37,50,000.00
				90	Rs. 125 lakhs Loan 1976-77	6½%	75,00,000.00
				91	Rs. 75 lakhs Loan 1976-77	6½%	1,50,00,000.00
				92	Rs. 400 lakhs Loan 1977-78	6½%	4,40,00,000.00
				93	Rs. 300 lakhs Loan 1978-79	6½%	3,30,00,000.00
				94	Rs. 425 lakhs Loan 1979-80	6 %	4,67,50,000.00
				95	Rs. 450 lakhs Loan 1980-81	7 %	4,95,00,000.00
				96	Rs. 150 lakhs Loan 1980-81	6½%	1,50,00,000.00
					Total		36,80,50,000.00
					Less: Loan amount transferred to Budget 'G'		-3,47,60,082.00
					Total Div. III		33,32,89,918.00
					Grand Total Budget 'A'		1,67,02,81,296.56

APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1980-81 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1981.

Account Heads	Division I		Division II		Division III		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. ..	17,66,75,452.21		11,09,04,790.11		5,11,88,482.45		33,87,68,724.77	
B—Octroi. ..	69,92,42,269.65		..		..		69,92,42,269.65	
BB—Theatre Tax ..	18,61,388.00		11,37,944.39		5,43,371.30		35,42,703.69	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses ..	7,257.50		..		..		7,257.50	
(b) Grant-in-Aid in respect of Fines for Offences against the Law ..	20,20,258.35		..		..		20,20,258.35	
(c) Interest and Profit on Investment of Surplus Loan and Other Balances ..	3,13,20,749.73		9,13,760.78		4,94,044.33		3,27,28,554.84	
(d) Miscellaneous ..	1,20,37,281.16		7,58,095.00		3,25,736.12		1,31,21,112.28	
(e) Receipts on account of Municipal Journal ..	9,904.60		..		..		9,904.60	
D—Receipts on account of proportionate Cost of Collection of Education Cess ..	4,20,911.82		1,99,145.82		98,695.95		7,18,753.59	
E—Rebate from Govt. on account of collection of Education Cess ..	2,14,699.03		..		..		2,14,699.03	
	<u>92,38,10,172.05</u>		<u>11,39,13,736.10</u>		<u>5,26,50,330.15</u>		<u>1,09,03,74,238.30</u>	
2. Museums. ..	56,945.93		..		..		56,945.93	
3. Free Reading Rooms and Libraries. ..	8,875.50		3,069.07		1,440.00		13,384.57	
4. Municipal High School ..	2,73,09,70.56		..		..		2,73,09,570.56	
5. Street Cleansing, Conservancy and Halalkhore Service ..	38,30,352.11		7,11,113.02		5,84,575.75		51,26,040.88	
6. S. W. Drains etc. ..	11,207.80		15,960.60		3,372.10		30,540.50	
7. Mechanical and Electrical ..	3,98,703.86		36,225.59		..		4,34,929.45	
8. Buildings, Land Acquisition and Management.								
A—Sale Proceeds of Surplus Land. ..	33,537.08		..		..		33,537.08	
B—Other Receipts.								
(a) Rent of Buildings. ..	39,10,843.58		4,00,965.58		10,454.12		43,22,263.28	
(b) Ground Rent. ..	8,10,437.15		32,184.21		3,674.02		8,46,295.38	
(c) Miscellaneous ..	99,94,618.54		2,42,56,008.07		1,52,59,536.98		4,95,10,163.59	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff. ..	52,933.70		..		..		52,933.70	
	<u>1,48,02,370.05</u>		<u>2,46,89,157.86</u>		<u>1,52,73,665.12</u>		<u>5,47,65,193.03</u>	
9. Fire Brigade								
A—Fire Tax ..	1,11,61,112.85		69,38,350.68		31,91,032.67		2,12,90,496.20	
B—Other Receipts ..	65,438.70		4,942.84		5,045.70		75,427.24	
	<u>1,12,26,551.55</u>		<u>69,43,293.52</u>		<u>31,96,078.37</u>		<u>2,13,65,923.44</u>	
10. Licensing, and Removal of Encroachments on Public Streets.								
A—Licences for Dangerous and Offensive Trades ..	80,39,851.44		47,85,884.00		28,23,868.37		1,56,49,403.90	
B—Removal of Encroachments on Public Streets etc. ..	80,11,694.69		16,16,463.60		3,66,463.85		1,00,24,622.00	
C—Miscellaneous ..	58,57,483.19		11,08,165.10		2,66,722.51		72,32,380.80	
	<u>2,19,09,029.32</u>		<u>75,10,512.79</u>		<u>34,87,064.73</u>		<u>3,29,06,10.84</u>	
11. Administration of Shops and Establishment Act 1948. ..	17,18,561.00		6,30,992.75		3,95,995.46		27,45,549.21	
12. Gardens and Open Spaces ..	14,78,903.72		6,32,671.46		2,50,682.49		23,22,576.67	
13. Markets ..	1,42,39,370.33		27,82,639.77		9,84,216.22		1,80,06,226.32	
14. Deoner Abattoir. ..	2,63,10,598.88		..		..		2,63,10,598.88	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget 'A' Receipts—(Contd.)								
15. Traffic Operations, Roads and Bridges—								
A—Wheel Tax ..	1,33,94,677.57		40,83,464.56		11,29,679.90		1,86,07,822.03	
B—Contributions from Govt. in lieu of Tolls ..	24,927.00		16,673.00		3,964.00		45,564.00	
C—Other Receipts ..	37,66,964.62		38,01,449.27		12,89,118.61		88,57,532.50	
D—Ferry Receipts ..	..		33,383.10		1,28,686.00		1,62,069.10	
	1,71,86,569.19		79,34,969.93		25,51,448.51		2,76,72,987.63	
16. Contribution from Capital Funds to Revenue Account of Loan Works Staff ..	28,55,965.88		19,99,200.71		14,55,455.39		63,10,621.98	
17. Extra Ordinary Receipts ..	1,52,567.28		..		..		1,52,567.28	
18. Transfer from the B. E. S. & T. Fund ..	8,70,458.94		..		..		8,70,458.94	
19. Rebate from Government on Account of Collection of U. I. P. Tax etc. ..	13,68,493.42		2,36,579.11		2,85,846.63		18,90,919.16	
20. Receipts from Government on Account of Urban Immoveable Property Tax etc. ..	..		1,365.86		15,530.10		16,895.96	
21. Share in Entertainment Tax etc. ..	1,92,07,850.62		..		..		1,92,07,850.62	
Total—Part I ..	1,08,87,53,117.99		16,80,41,488.14		8,11,35,701.02		1,33,79,30,307.15	
Budget 'A' (Part II)								
31. Public Health Department ..	30,72,981.37		14,57,453.13		6,87,160.42		52,17,594.92	
32. Medical Relief and Education ..	28,83,577.82		1,83,032.54		69,680.54		31,36,290.90	
33. Measures to Control Environmental Air Pollution in Greater Bombay. ..	13,23,194.04		7,52,761.60		9,56,887.00		30,32,842.64	
Total—Part II ..	72,79,753.23		23,93,247.27		17,13,727.96		1,13,86,728.46	
Total—(A) Revenue Receipts ..	1,09,60,32,871.22		17,04,34,735.41		8,28,49,428.98		1,34,93,17,035.61	
(B) Capital Account Receipts—								
Loan Funds—Capital Receipts—								
Debt Principal—New Loans of 1980-81 ..	13,26,20,744.33		7,45,00,000.00		6,45,00,000.00		27,16,20,744.33	
Advance from Surplus Monies for Financing Loan Works Expenditure Special Funds ..	..		..		..		..
Recoupment of Advances from Special Funds for Purchase of Plant and Machinery ..	..		..		..		..
Advance from Loan fund for Purchase of Plant & Machinery ..	1,55,80,034.05		83,12,834.33		9,26,434.35		2,48,19,302.73	
Total—(B) Capital Receipts ..	14,82,00,778.38		8,28,12,834.33		6,54,26,434.35		29,64,40,047.06	
(C) Suspense Account Receipts—								
I—Sinking and Special Fund Accounts—								
Sinking Fund Account (Municipal) ..	6,12,23,462.94		3,57,16,037.50		2,12,05,130.30		11,81,44,630.74	
Special Fund Account ..	19,87,81,612.35		..		..		19,87,81,612.35	
Total—I (S. and S. Funds) ..	26,00,05,075.29		3,57,16,037.50		2,12,05,130.30		31,69,26,243.09	
II—Paper and Cash Accounts—								
1. Sinking Fund ..	6,80,65,425.31		70,16,472.93		181,80,591.57		9,32,62,489.81	
2. Special Funds ..	8,74,32,328.31		..		..		8,74,32,328.31	
3. Surplus Fund ..	27,77,02,357.96		7,73,70,137.24		5,02,43,199.75		40,53,15,694.95	
4. Loan Fund ..	196.76		3,84,49,645.23		1,14,59,421.26		5,09,09,263.25	
State Bank of India and Other Local Banks on Account of Sundry Deposits ..	1,39,89,81,976.46		17,85,34,918.75		8,67,89,448.63		1,66,43,06,343.84	
Total—II (Paper & Cash) ..	1,83,21,82,284.80		30,13,71,174.15		16,76,72,661.21		2,30,12,26,120.16	
III—Other Suspense Accounts—								
Deposits Account ..	4,00,86,15,074.53		26,95,23,480.20		11,55,09,132.29		4,39,36,47,687.02	
Reserve Stores Account ..	6,20,49,759.78		..		..		6,20,49,759.78	
Capital Stores Accounts ..	5,87,12,288.04		..		..		5,87,12,288.04	
Purchase of Petrol and Diesel Oil ..	46,79,530.91		33,95,994.80		..		80,75,525.71	
Advances to Public including Co-operative for Housing purposes ..	54,58,935.00		..		..		54,58,935.00	
Advances Departmental Works ..	68,82,588.65		68,80,209.47		7,64,564.08		1,45,27,362.20	
Advances Dept. Works—Traffic Amenities ..	..		Dr. 24,38,370.92		Dr. 1,16,289.19	Dr.	25,54,660.11	
Advances Municipal Workshops ..	35,69,717.72		..		Dr. 27,436.22		35,42,281.50	
Municipal Foundry ..	10,13,124.61		..		..		10,13,124.61	
Worli Crushers ..	1,57,212.75		..		..		1,57,212.75	
Mechanical Transport ..	3,02,62,220.44		1,04,34,512.66		..		4,06,96,732.80	
Asphalt Plant ..	26,70,965.38		..		..		26,70,965.38	

APPENDIX—15 (Contd.)
(CONSOLIDATED.)

Account Heads	Division-I		Division-II		Division-III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget 'A' Receipts (Contd.)								
Municipal Printing Press	1,08,55,626.35		..		..		1,08,55,626.35	
Rota Printing Unit	4,69,510.91		..		..		4,69,510.91	
Advances Private Works	38,85,739.15		11,489.72		9,360.00		39,06,588.87	
Advances Private Works-Traffic Amenities .. ..	..		1,90,444.91		1,41,248.10		3,31,693.01	
Reinstatement of Trenches	39,68,256.47		4,39,410.38		9,05,897.92		53,13,564.77	
Advances Special Funds	23,26,664.87		..		..		23,26,664.87	
Municipal Contractors	3,82,758.37		6,089.20		268.11		3,89,115.68	
Municipal Tenderers .. ..	..		..		..		..
Sundry Advances Miscellaneous	9,16,30,727.46		2,25,96,184.93		1,28,04,875.77		12,70,31,788.16	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings	11,36,030.94		917.71		2,621.32		11,39,569.97	
Advances for conversion of Basket Privies etc. .. ..	..		..		..		..
Advances to Municipal Officers	5,47,937.45		8,962.00		Dr. 424.64		5,56,474.81	
Interest accrued But Not Paid	3,03,836.81		16,65,468.75		8,32,734.37		28,02,039.93	
Interest receivable Account .. ..	..		..		..		..
Provident Fund	8,08,17,193.01		1,52,97,185.70		65,27,694.64		10,26,42,073.35	
Welfare Fund .. ..	..		1,025.00		..		1,025.00	
Fines Fund	6,585.98		..		..		6,585.98	
Fidelity Guarantee Insurance Fund	2,094.38		..		..		2,094.38	
B.M.C. Loans Interest Warrants Payable A/c....	2,14,50,207.09		2,50,63,585.00		1,50,58,451.00		6,15,72,243.09	
Dishonoured Cheques	2,14,59,408.57		1,87,92,031.58		1,08,49,059.25		5,11,00,499.40	
Cash Bills Outstanding Accounts	12,32,200.86		1,54,198.75		65,476.22		14,51,875.83	
Cheques Payable	5,71,04,12,288.82		62,11,94,110.09		26,64,87,768.34		6,59,80,94,167.25	
Wages Deposit Account	2,52,95,567.92		66,12,252.99		30,68,891.58		3,49,76,712.49	
Loan Redemption Fund Municipal	85,11,428.18		56,50,150.00		10,94,130.00		1,52,55,708.18	
Repayment of Loans .. ..	..		25,99,850.00		44,05,870.00		70,05,720.00	
Interest on B.M.C. Loans Payable Account	3,12,154.00		61,578.75		59,164.25		4,32,897.00	
Municipal Power Laundry	42,08,587.18		..		..		42,08,587.18	
Advances from Surplus Monies for financing Loan Works Expenditure	55,63,848.50		..		..		55,63,848.50	
Plant & Machinery Purchase out of Surplus Cash Balance .. ..	..		..		..		..
Pension Fund	2,12,48,577.28		..		..		2,12,48,577.28	
Gratuities Fund	63,85,875.64		..		..		63,85,875.64	
Amounts transferred within Budget 'A' Divns.	31,70,99,589.44		49,45,70,257.93		21,26,33,245.39		1,02,43,03,092.76	
Amounts transferred to Budget 'G'	66,77,15,258.93		..		..		66,77,15,258.93	
Improving Common House Gullies	4,49,651.67		..		..		4,49,651.67	
Contribution Receivable from Budget 'E'	28,60,83,437.24		..		..		28,60,83,437.24	
Advance for Deposit with outside bodies	2,500.00		..		Dr. 10.00		2,490.00	
Unadjusted Reserve Stores Account Stock	1,38,21,194.89		..		..		1,38,21,194.89	
Halalkhore Services .. ..	..		..		781.00		781.00	
Plant and Machinery Purchased out of Surplus Monies. .. ..	..		..		..		..
Advances Special Funds for Purchase of Plant and Machinery.	15,67,926.87		..		..		15,67,926.87	
Municipal Debt Interest .. ..	..		3,55,93,922.75		1,93,14,725.07		5,49,08,647.82	
Advance Suspense Account Accumulated Surplus Balance Payable by Budget 'A' and Budget 'G' .. ..	..		..		..		..
Security Deposit with Central Railway .. ..	..		..		..		..
Seweri Crushers .. ..	..		..		..		..
Advances for Improvement of Private Streets .. ..	..		..		..		..
Total III—(Other Sup.)	11,49,32,24,082.74		1,53,83,04,942.35		67,03,91,798.65		13,70,19,20,823.74	
Total (C) Suspense Receipts	13,58,54,11,442.83		1,87,53,92,154.00		85,92,69,590.16		16,32,00,73,186.99	
Total Receipts Budget 'A'	14,82,96,45,092.43		2,12,86,39,723.74		1,00,75,45,453.49		17,96,58,30,269.66	
Tree Authority Budget	17,69,949.78		..		..		17,69,949.78	

APPENDIX-15—(Contd.)
(C No. DATED)

Account Heads	Improvement Scheme		Slum Improvement.		Slum Clearance (City.)		Slum Clearance (Suburbs. & Extd. 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.	1,56,36,709.86		1,07,04,042.33		29,24,471.35		6,69,919.98		2,99,35,143.52	
II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act.	2,49,23,759.00		..		..		..		2,49,23,759.00	
IV Interest and Profit on Investments.	4,562.83		..		..		..		4,562.83	
V Miscellaneous Receipts.	2,73,40,878.27		58,957.04		8,64,000.00		6,65,658.13		2,89,29,493.44	
VI Grant Assistance from Govt. of India for Improvement Slums.	..		..		..		..		..
VII Appropriation from Capital Account to meet the deficit	Dr. 1,31,05,301.63		..		34,88,069.46		45,28,984.92		Dr. 50,88,247.25	
Contribution from Budget 'A'	..		3,95,03,070.33		..		..		3,95,03,070.33	
Total (A) General Account Revenue.	5,48,00,608.33		5,02,66,069.70		72,76,540.81		58,64,563.03		11,82,07,781.87	
(B) Capital Account Receipts										
Sale Proceeds of Lands, Building etc.	4,89,078.53		..		..		1,06,852.07		5,95,930.60	
Transfer of Revenue Surplus from General Account	1,31,05,301.63		..		..		..		1,31,05,301.68	
New Loans raised during 1980-81.	..		..		..		..		..
Advances from Surplus Monies.	Dr. 8,95,936.74		..		49,33,129.44		47,88,160.49		88,25,353.19	
Reimbursement from Maharashtra Slum Improvement Board	..		1,44,99,666.45		..		..		1,44,99,666.45	
Total (B) Capital Receipts	1,26,98,443.42		1,44,99,666.45		49,33,129.44		48,95,012.56		3,70,26,251.87	
(C) Suspense Account Receipts										
I. Sinking and Special Funds Accounts										
(a) Sinking Fund Account.	83,61,291.27		4,35,249.26		20,83,780.60		16,13,809.48		1,24,94,130.61	
(b) Investment Reserve Fund Accounts	17,41,259.16		..		..		..		17,41,259.16	
(c) Rent Equalisation Fund Account	9,05,323.35		..		..		..		9,05,323.35	
(d) Amenities Fund Account	2,99,320.81		..		..		..		2,99,320.81	
Total I (S. and S. Funds)	1,13,07,194.59		4,35,249.26		20,83,780.60		16,13,809.48		1,54,40,033.93	
II Paper and Cash Account.										
(a) Sinking Fund.	3,47,38,774.66		142.37		10,52,226.31		5,00,032.20		3,62,91,175.54	
(b) Capital Fund.	..		..		..		..		..
(c) Investment Reserve Fund.	40.84		..		..		..		40.84	
(d) Rent Equalisation Fund.	76.65		..		..		..		76.65	
(e) Amenities Fund.	82.64		..		..		..		82.64	
Total II—(Papers & Cash)	3,47,38,974.79		142.37		10,52,226.31		5,00,032.20		3,62,91,375.67	
III—Other Suspense Accounts.										
Loan Redemption Fund	83,50,631.80		..		1,89,429.60		1,08,671.37		86,48,732.77	
B. I. T. Loans Interest Warrant Payable Account	..		..		..		..		..
Total—III (Other Susp.)	83,50,631.80		..		1,89,429.60		1,08,671.37		86,48,732.77	
Total (C) Suspense Receipts	5,43,96,801.18		4,35,391.63		33,25,436.51		22,22,513.05		6,03,80,142.37	
Total Receipts—Budget 'B'	12,18,95,852.93		5,52,01,127.78		1,55,35,106.76		1,29,82,088.64		21,56,14,176.14	

APPENDIX—15—(contd.)

(C N^o LIDAIED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I)								
EXPENDITURE								
A) Revenue Account—								
I—General Supervision, Collection of Revenue, etc.								
A—General Superintendence	4,61,88,487.38		37,44,472.84		15,54,166.29		5,14,87,126.51	
B—Collection of Revenue	2,27,35,032.11		65,83,933.89		32,46,442.39		3,25,65,408.39	
C—Upkeep of guarding of Municipal Offices ..	33,38,976.00		18,85,114.58		6,88,369.45		59,12,460.03	
D—General Stores	13,46,588.47		....		....		13,46,588.47	
E—Legal Department	24,89,443.91		1,06,520.17		9,297.57		26,05,261.65	
F—Miscellaneous Charges	11,98,910.60		5,16,116.74		93,335.00		18,08,362.34	
G—Election Expenses	1,76,858.85		....		....		1,76,858.85	
H—Provident Fund Charges	6,69,805.43		1,24,285.00		47,615.00		8,41,705.43	
I—Debt Charges	33,66,693.23		20,88,313.95		Cr. 6,57,686.93		47,97,320.25	
J—Encouraging sports activities	93,500.00		..		..		93,500.00	
	8,16,04,295.98		1,50,48,757.17		49,81,533.77		10,16,34,591.92	
Deduct : Proportion of General Superintendence	2,26,06,485.50		47,98,482.92		22,34,779.87		2,96,39,748.29	
	5,89,97,810.48		1,02,50,274.25		27,46,758.90		7,19,94,843.63	
II—Museums—								
A—Dr. B'au Daji Lad Museum.	1,99,438.59		..		..		1,99,438.59	
B—Provident Fund Charges	1,699.00		....		....		1,699.00	
C—Debt Charges .. ..	..		....		....		....
	2,01,137.59		....		....		2,01,137.59	
III—Free Reading Rooms and Libraries—								
A—Municipal Free Reading Rooms & Libraries ..	20,44,035.26		20,50,920.96		4,66,750.00		45,61,706.22	
B—Provident Fund Charges	2,000.00		....		....		2,000.00	
C—Debt Charges	1,48,897.18		1,447.00		....		1,50,344.18	
	21,94,932.44		20,52,367.96		4,66,750.00		47,14,050.40	
IV—Municipal High Schools.								
A—Municipal High Schools	3,31,11,905.14		..		..		3,31,11,906.14	
B—Provident Fund Charges	11,000.00		..		..		11,000.00	
C—Pension Fund	27,745.50		..		..		27,745.50	
	3,31,50,651.64		..		..		3,31,50,651.64	
V—Street Cleansing (Conservancy and Halalkhore Service—								
A—Street Cleansing and Conservancy	96,28,638.26		50,22,172.58		27,48,227.47		1,73,99,033.31	
B—Collection, Loading, Removal and Disposal of Town Refuse.	8,84,83,256.42		2,77,26,990.44		1,43,46,059.97		13,05,56,305.83	
C—Halalkhore Service	69,12,584.75		73,35,671.13		68,51,836.66		2,11,00,062.54	
D—Provident Fund Charges	6,37,895.95		1,29,152.62		40,517.34		8,07,565.91	
E—Debt Charges	19,56,731.83		13,04,123.33		15,04,669.10		47,65,524.26	
	10,76,19,107.21		4,15,18,110.10		2,54,91,280.54		17,46,28,497.85	
VI— S.W. Drains—								
A—Maintenance of S.W. Drains	52,93,252.46		76,76,786.14		42,51,995.26		1,72,22,033.86	
B—Provident Fund Charges .. ..	....		10,000.00		6,000.00		16,000.00	
C—Debt Charges	20,90,070.25		65,45,073.52		35,06,301.85		1,21,41,445.62	
	73,83,322.71		1,42,31,859.66		77,64,297.11		2,93,79,476.48	
VII—Mechanical and Electrical								
A—Mechanical Engineer's Office Establishment	21,52,655.20		2,45,664.45		....		23,98,319.65	
B—Maintenance of Electric Installations ..	....		1,91,148.54		35,633.65		2,26,782.19	
C—Provident Fund Charges	27,418.00		5,000.00		....		32,418.00	
D—Debt Charges	19,372.55		4,344.75		1,407.50		25,124.80	
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00		....		....		50,000.00	
	22,49,145.75		4,47,157.74		37,011.15		27,32,614.64	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
VIII—Buildings, Land Acquisition and Management								
A—City Engineer's Central Office Establishment	34,19,067.87		23,24,008.96		13,08,220.67		70,51,297.50	
B—Inspection and Supervision of Private Buildings	35,12,922.51		15,54,362.28		81,671.36		51,48,956.16	
C—Architectural	3,05,419.60		....		....		3,05,419.60	
D—Land Acquisition and Management ..	35,14,612.09		5,76,441.53		10,140.73		41,01,194.35	
E—Inspection and Supervision of Factories, Workshops and Work Places.	2,69,465.71		2,61,988.47		1,09,729.84		6,41,184.02	
F—Industrial Estates	3,03,269.85		....		....		3,03,269.85	
G—Provident Fund Charges	97,564.63		55,413.61		23,000.00		1,75,978.24	
H—Debt Charges	48,57,367.61		28,84,184.65		12,91,333.07		90,32,885.33	
	1,62,79,689.87		76,56,399.50		28,24,095.67		2,67,60,185.04	
Deduct—2½ Percent Supervision chargeable to Imp. Scheme A/c. ..	2,95,233.16		..		..		2,95,233.16	
	1,59,84,456.71		76,56,399.50		28,24,095.67		2,64,64,951.88	
IX—Fire Brigade—								
A—Maintenance	93,56,249.13		18,85,265.96		11,34,702.50		1,23,76,217.59	
B—Provident Fund Charges	6,921.92		21.00		....		6,942.92	
C—Pension, Gratuities and Compassionate Allowances.	6,510.00		....		....		6,510.00	
D—Proportion of General Supervision and Collection of Revenue.	6,35,249.18		1,95,598.96		89,425.98		9,20,274.12	
E—Debt Charges	17,44,360.16		8,07,158.15		10,82,196.61		36,33,714.92	
F—Contribution to Fire Brigade Employees Accident Compensation Fund ..	40,000.00		..		....		40,000.00	
	1,17,89,290.39		28,88,044.07		23,06,325.09		1,69,83,659.55	
X—Licensing and Removal of Encroachments on Public Streets.								
A—Licensing Establishment	24,89,172.51		12,36,836.95		5,26,886.18		42,52,895.64	
B—Removal of Encroachment on Public Streets	34,14,742.87		10,17,484.07		4,33,949.28		48,66,176.22	
C—Provident Fund Charges	64,343.00		37,722.00		22,113.00		1,24,178.00	
D—Debt Charges	1,88,818.03		..		..		1,88,818.03	
	61,57,076.41		22,92,043.02		9,82,948.46		94,32,067.89	
XI—Administration of Shops and Establishment Act 1948.								
A—Administration of Shops and Establishment Act 1948 ..	16,30,724.23		4,75,681.60		2,38,050.14		23,44,455.97	
B—Provident Fund Charges.	43,818.00		7,900.00		3,500.00		55,218.00	
	16,74,542.23		4,83,581.60		2,41,550.14		23,99,673.97	
XII—Gardens, Recreation Centres and Open Spaces								
A—Gardens	84,84,369.33		34,14,411.63		14,56,573.02		1,33,55,353.98	
B—New Gardens, Recreation Grounds, etc. ..	53,018.94		1,24,233.92		72,067.78		2,49,320.64	
C—Open Air Theatres	61,177.23		62,710.90		64,318.46		1,88,206.59	
D—M. G. M. O. Swimming Pool	4,07,709.59		..		..		4,07,709.59	
E—Krida Kendra and Social Welfare Centres ..	2,84,152.05		....		....		2,84,152.05	
F—Sardar V. P. S. Pool Kandivali. .. .. .	..		..		2,70,069.50		2,70,069.50	
G—Ghatkopar Lion's Municipal Swimming Pool ..	..		2,23,115.10		..		2,23,115.10	
H—L. Dinanath Mangeshkar Natya Mandir ..	..		3,93,166.59		..		3,93,166.59	
I—S. Pool Siddharth Nagar Goregaon .. .. .	..		..		92,899.66		92,899.66	
J—Provident Fund Charges	33,977.00		3,502.00		1,800.00		39,279.00	
K—Debt Charges	17,96,390.66		16,10,113.15		24,47,771.11		58,54,274.92	
	1,11,20,794.80		58,31,253.29		44,05,499.53		2,13,57,547.62	
XIII—Markets								
A—Markets	1,23,98,858.05		38,62,650.49		11,66,814.98		1,74,28,323.52	
B—Provident Fund Charges	77,321.00		14,024.00		3,201.00		94,546.00	
C—Pension, Gratuities and Compassionate Allowance.	18,970.00		19,500.00		6,500.00		44,970.00	
D—Proportion of General Supervision	11,55,475.23		1,57,087.66		59,071.73		13,71,634.62	
E—Debt Charges	44,38,433.61		28,46,700.57		4,39,177.17		77,24,311.35	
	1,80,89,057.89		68,99,962.72		16,74,764.88		2,66,63,785.49	

APPENDIX—15—(contd)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
XIV—Deonar Abattoir								
A—Deonar Abattoir	2,34,88,569.31		..		..		2,34,88,569.31	
B—Provident Fund Charges. ..	20,518.00		..		..		20,518.00	
C—Pension, Gratuities and Compossionate Allowance. ..	9,200.00		..		..		9,200.00	
D—Proportion of General Supdt. ..	11,55,475.22		..		..		11,55,475.22	
E—Debt Charges	45,19,479.07		..		..		45,19,479.07	
	2,91,93,241.60						2,91,93,241.60	
XV—Traffic Operations, Roads and Bridges—								
A—General	28,53,599.46		36,36,065.48		9,94,162.84		74,83,827.78	
B—Traffic Planning and Operation ..	14,15,396.91		2,100.00		..		14,17,496.91	
C—Road, Bridge Planning and Design ..	12,894.40		3,712.27		..		16,606.67	
D—Road and Bridge Maintenance ..	5,16,16,298.30		4,07,35,392.43		2,01,73,702.84		11,25,25,393.57	
E—Rebate on account of compounded wheel tax permissible under section 185 of the B.M.C. Act ..	..		..		..		..
F—Provident Fund Charges	1,12,319.66		62,165.14		1,443.85		1,75,928.65	
G—Debt Charges	2,41,90,689.90		3,03,35,640.33		1,83,76,052.30		7,29,02,382.53	
H—Proportionate Cost of Collection of Wheel Tax. ..	7,01,519.68		3,31,909.75		1,64,493.27		11,97,922.70	
I—Lumpsum provision for payment of Commission charges and interest on I.B.R. D.Loan ..	11,70,824.49		..		..		11,70,824.49	
J—Lumpsum provision for repayment of I B R D Loan No. 1335 I. N. ..	12,00,000.00		..		..		12,00,000.00	
	8,32,73,542.80		7,51,06,985.40		3,97,09,855.10		19,80,90,383.30	
XVI—Contribution to—								
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act. ..	1,31,15,629.00		82,14,631.00		35,61,230.00		2,48,91,490.00	
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act. ..	3,27,89,070.00		2,05,36,579.41		89,03,080.00		6,22,28,729.41	
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act. ..	12,51,00,000.00		....		....		12,51,00,000.00	
(d) Fines and Welfare Fund	7,41,526.25		....		....		7,41,526.25	
(e) Tree Authority Fund	15,93,559.80		....		....		15,93,559.80	
(j) Contribution to P. F. to meet the difference in interest allowed and that actually realised on investment of P. F. ..	27,57,155.36		4,77,108.07		1,61,910.60		33,96,174.03	
(g) Special Contribution to Slum Improvement to meet deficit in General Account ..	4,64,24,535.08		....		.....		4,64,24,535.08	
	22,25,21,475.49		2,92,28,318.48		1,26,26,220.60		26,43,76,014.57	
XVII—Miscellaneous—								
(a) Pension Fund .. .. .	..		....		....		..
(b) Gratuity Fund	10,79,730.00		5,05,000.00		1,52,000.00		17,36,730.00	
Deduct : Proportionate Share	34,680.00		..		..		34,680.00	
	10,45,050.00		5,05,000.00		1,52,000.00		17,02,050.00	
XVIII—Measures for Civil Defence	1,35,555.05		....		....		1,35,555.05	
XIX—Contribution to Bombay Building Repairs and Resonstruction Board. ..	2,40,00,000.00		....		....		2,40,00,000.00	
XX—Village amenities.								
A—Maintenance .. .. .	..		..		..		..
XXI—Lump Sum Provision for Staff, contingencies, etc. ..	..		3,37,045.31		86,913.41		4,23,958.72	
Lump sum provision for the payment of arrears on account of revision of grade ..	Cr. 1,234.84		..		..		Cr. 1,234.84	
XXII—Lump-sum Provision for up-keep of old and Historical monumental Bldgs. in the City. ..	2,255.47		..		..		2,255.47	
XXIII—Lump sum provision for Deposit linked Insurance Scheme	4,06,335.83		27,707.58		18,871.02		4,52,914.43	
XXIV—Lump-Sum provision for payment of dues to Budget 'G'. ..	2,83,00,000.00		..		..		2,83,00,000.00	
Total—Part-I	66,54,87,847.65		19,97,55,110.68		10,15,35,171.60		96,67,78,129.93	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE (Contd.) Budget 'A' (Part II)								
XXXI—Public Health Department—								
A—General Superintendence	2,30,39,557.71		1,18,03,070.07		50,22,086.90		3,98,64,714.68	
B—Supply of Milk to the under nourished needy children attending Municipal Schools	71,52,092.70		35,21,143.77		20,85,827.05		1,27,59,063.52	
C—Provident Fund Charges	1,65,043.00		79,258.00		21,450.00		2,65,751.00	
D—Malaria Eradication Programme	2,37,545.59		4,89,604.59		7,988.67		7,35,138.85	
E—Impounding Stray Cattle	5,25,201.96						5,25,201.96	
G—Census	4,97,479.23						4,97,479.23	
I—Debt Charges	7,42,645.98		12,69,575.29		2,43,655.00		22,55,876.27	
F—Filaria Control Programme			3,73,872.41		1,46,208.21		5,20,080.62	
	3,23,59,566.17		1,75,36,524.13		75,27,215.83		5,74,23,306.13	
XXXII—Medical Relief and Education—								
A—Hospitals	15,85,66,275.17		5,76,39,743.41		2,16,47,826.08		23,78,53,844.66	
B—Maternity Homes	69,03,917.72		34,72,303.40		45,67,389.47		1,49,43,610.59	
C—Dispensaries	80,00,459.51		60,66,277.26		26,31,286.03		1,66,98,022.80	
D—Medical Education	3,09,16,761.04						3,09,16,761.04	
E—Statutory Contributions to Government Medical Institutions	4,14,500.04						4,14,500.04	
F—Clinic for treatment of Leprosy Cases	8,56,757.33		37,896.00		18,948.00		9,13,601.33	
G—Grant-in-Aid to Public Institutions	1,04,34,976.20		6,33,620.75		6,16,265.25		1,16,84,862.20	
H—Provident Fund Charges	5,60,909.00		52,754.00		22,912.00		6,36,575.00	
I—Debt Charges	2,00,25,736.41		89,37,842.01		61,12,425.53		3,50,76,003.95	
	23,66,80,292.42		7,68,40,436.83		3,56,17,052.36		34,91,37,781.61	
XXXIII—Measures to Control Environmental Pollution in Greater Bombay—								
A—Dy. City Engineer (Mech. & Elec.) Air pollution prevention office	1,21,783.40						1,21,783.40	
B—Airpollution Prevention cell	12,46,647.77						12,46,647.77	
C—Health Survey Unit	3,26,121.73						3,26,121.73	
D—Debt Charges	4,85,758.18						4,85,758.18	
	21,80,311.08						21,80,311.08	
Total—Part II	27,12,20,169.67		9,43,76,960.96		4,31,44,268.19		40,87,41,398.82	
Total—(A) Revenue Expenditure	93,67,08,017.32		29,41,32,071.64		14,46,79,439.79		1,37,55,19,528.75	
(B) Capital Account—								
I—General Supervision, Collection of Revenue, etc.	18,68,676.65		15,00,688.50		2,08,818.87		35,78,184.02	
II—Free Reading Rooms and Libraries								
III—Street Cleansing and Conservancy etc.	30,99,870.81		7,74,494.94		Cr. 3,13,598.74		35,60,767.01	
IV—S. W. Drains etc.	40,43,546.42		58,37,819.14		42,24,967.80		1,41,06,333.36	
V—Mechanical and Electrical	62,36,224.19		Cr. 2,86,613.64		Cr. 5,68,662.82		53,80,947.73	
VI—Buildings Land Acquisition and Management	86,523.84		20,88,052.04		10,79,926.00		32,54,501.88	
VII—Fire Brigade	11,81,071.46		26,49,246.85		24,06,611.74		62,36,930.05	
VIII—Licensing, Removal of Encroachment etc.	31,66,723.76		32,74,918.26		22,465.43		64,64,107.45	
IX—Gardens and Open Spaces	1,09,866.74						1,09,866.74	
X—Markets							2,99,275.23	
XI—Deonar Abattir	45,697.73		1,07,518.52		1,91,756.71		45,697.73	
XII—Village Amenities	5,12,43,758.88		5,10,87,365.27		4,45,19,249.17		14,68,50,373.32	
XIII—Industrial Estates	26,269.18						26,269.85	
XIV—Traffic Operations, Roads and Bridges							33,87,156.52	
XV—Power Laundry	4,06,46,934.07		12,96,511.27		20,90,645.25		4,37,35,853.31	
XVI—Centenary Celebration Works			19,16,966.31		11,71,952.93		9,05,115.03	
XVII—Plant and Machinery out of Loan Funds			9,05,115.03					
XVIII—Suspense Account								
XIX—Plant and Machinery Purchased out of different Special Funds	Cr. 16,15,089.56						Cr. 16,15,089.56	
XX—Assets written off	16,15,089.56						16,15,089.56	
XXI—Recoupment of Advance for Purchase of Capital Stores	27,10,193.68						27,10,193.68	
Total—Part I	11,44,65,357.41		7,11,52,082.49		5,50,34,132.34		24,06,51,572.24	
XXII—Public Health Department	10,75,649.95		22,62,121.95		3,58,660.05		36,96,431.95	
XXIII—Medical Relief and Education	1,41,28,843.71		81,61,887.28		16,79,108.68		2,39,69,839.67	
XXIV—Measures to Control environmental Air Pollution in Greater Bombay.	30,99,282.08						30,99,282.08	
Plant and Machinery out of Loan Fund			22,23,487.84		9,05,650.59		31,29,138.43	
Total—Part II	1,83,03,775.74		1,26,47,497.07		29,43,419.32		3,38,94,692.13	
Total—(B) Capital Expenditure	13,27,69,133.15		8,37,99,579.56		5,79,77,551.66		27,45,46,264.37	

APPENDIX—15—(contd.)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		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 ..	5,34,35,994.24		85,36,773.19		56,78,632.79		6,76,51,400.22	
Special Fund Account. ..	12,74,09,601.01		..		..		12,74,09,601.01	
Loan Redemption Fund ..	..		..		..		..
Total—I (S. and S. Funds)	18,08,45,595.25		85,36,773.19		56,78,632.79		19,50,61,001.23	
II—Paper and Cash Account								
Sinking Fund. ..	7,58,52,894.01		3,41,95,737.24		3,37,07,089.08		14,37,55,720.33	
Special Fund. ..	14,39,57,166.52		..		..		14,39,57,166.52	
Surplus Fund. ..	27,90,15,282.98		8,19,55,550.71		5,16,45,193.32		41,26,16,027.01	
Loan Fund. ..	241.99		3,35,36,700.00		2,85,37,703.95		6,20,74,645.94	
State Bank of India and Other Local Banks on account of Sundry Deposits. ..	1,48,26,64,980.43		18,25,09,316.09		7,81,13,719.59		1,74,32,88,016.11	
Total—II (Papers and Cash)	1,98,14,90,565.93		33,21,97,304.04		19,20,03,705.94		2,50,56,91,575.91	
III—Other Suspense Accounts								
Deposit Account ..	3,95,16,85,414.14		32,57,34,418.96		13,07,78,420.80		4,40,81,98,253.90	
Reserve Stores Account ..	6,77,45,949.81		..		..		6,77,45,949.81	
Capital Stores Account ..	5,46,92,154.09		..		..		5,46,92,154.09	
Capital Stores Account (Foras Road Depot) ..	1,71,600.25		..		..		1,71,600.25	
Advances for purchase of Petrol and Diesel Oil.	42,05,355.05		23,97,830.78		44,143.52		66,47,329.35	
Advances for Departmental Works. ..	59,79,625.62		40,22,746.12		7,00,669.32		1,07,03,041.06	
Advances for Private Works. ..	38,75,709.72		2,07,229.16		34,873.55		41,17,812.43	
Advances Private Works—Traffic Amenities ..	..		53,912.72		1,18,690.94		1,72,603.66	
Advances Departmental Works—Traffic Amenities ..	..		14,21,312.08		26,133.30		14,47,445.38	
Municipal Workshop. ..	39,97,049.53		..		..		39,97,049.53	
Municipal Foundry ..	12,60,347.28		..		..		12,60,347.28	
Mechanical Transport. ..	2,89,13,008.64		1,82,24,608.53		Cr. 13,833.33		4,71,23,783.84	
Asphalt Plant. ..	37,88,659.98		..		..		37,88,659.98	
Municipal Printing Press ..	1,29,49,851.18		..		..		1,29,49,851.18	
Rota Printing Unit. ..	11,68,961.38		..		..		11,68,961.38	
Advances Special Funds. ..	23,26,664.87		..		..		23,26,664.87	
Municipal Contractors. ..	4,99,999.11		49,711.91		Cr. 4,267.46		5,45,443.56	
Municipal Tenderers. ..	..		..		..		..
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings. ..	66,71,276.41		1,44,244.42		6,100.57		68,21,621.40	
Advances for conversion Basket previes etc. ..	..		..		2,000.00		2,000.00	
Advances to Public including Co-operatives for Housing purposes ..	1,06,16,507.00		..		..		1,06,16,507.00	
Municipal Power Laundry ..	43,84,727.47		..		..		43,84,727.47	
Advances to Municipal Officers ..	15,64,011.50		41,328.88		21,950.00		16,27,290.38	
Advances, Sundry Advances Miscellaneous ..	7,95,21,940.01		3,64,22,371.57		1,56,14,619.20		13,15,58,930.78	
Provident Fund. ..	8,08,17,193.01		1,52,97,185.70		65,27,694.64		10,26,42,073.35	
Pension Fund. ..	2,12,48,577.28		..		..		2,12,48,577.28	
Gratuity Fund. ..	63,85,875.64		..		..		63,85,875.64	
Welfare Fund ..	..		10.00		30.00		40.00	
Fines Fund. ..	6,585.98		..		..		6,585.98	
Fidelity Guarantee Insurance Fund. ..	2,094.38		..		..		2,094.38	
Reinstatement of Trenches ..	39,91,118.01		18,95,397.07		6,24,508.60		65,11,023.68	
Advances from Surplus Monies for Financing Capital Works Expenditure. ..	2,05,61,431.93		..		..		2,05,61,431.93	
Total—(C)—III—(Other Susp.) C/F	4,37,90,31,689.27		40,59,12,307.90		15,44,81,733.65		4,93,94,25,730.82	

APPENDIX—15—(Contd.)
(CONSOLIDATED)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget— 'A' Expenditure—(Contd.)								
Total—(c) III (Other Susp.) B/F ...	4,37,90,31,689.27		40,59,12,307.90		15,44,81,733.65		4,93,94,25,730.82	
Dishonoured cheques. ..	2,14,59,408.57		1,87,92,031.58		1,08,49,059.25		5,11,00,499.40	
Advances for Halalkhore Service. ..	..		..		..		..
Improving common House Gullies in the city..	36,82,093.64		..		..		36,82,093.64	
Advances for Improvement of Private streets. ..	..		51,927.98		..		51,927.98	
Advances for Deposit with Outside Bodies. ..	7,160.00		19,950.00		10,000.00		37,110.00	
Advance for Security Deposit with S. B. I. ..	Cr. 20,20,000.00		..		..		Cr. 20,20,000.00	
Interest Accrued But Not Paid ..	65,089.32		2,19,259.80		1,37,500.00		4,21,849.12	
Interest receivable Account. ..	..		..		..		..
Interest on Loans Payable Account ..	9,34,678.00		3,58,101.50		1,58,551.25		14,51,330.75	
B. M. C. Loans Interest Warrants Payable Account. ..	2,14,34,492.10		2,49,65,181.00		1,50,70,307.00		6,14,69,980.10	
Repayment of B. M. C. Loans ..	85,11,428.18		82,50,000.00		55,00,000.00		2,22,61,428.18	
Cash Bill Outstanding Account ..	13,04,377.98		15,699.14		8,213.44		13,28,290.56	
Cheques Payable ..	5,73,29,54,083.50		61,86,12,658.21		26,18,82,193.84		6,61,34,48,935.56	
Wages Deposit Account ..	2,52,95,567.92		66,12,252.99		30,68,891.58		3,49,76,712.49	
Amount Transferred from Mun. General fund Budget A Div. I to Budget 'E' ..	29,34,81,273.12		27,61,67,572.45		..		56,96,48,845.57	
Amount transferred to Budget 'G' ..	55,23,83,454.97		..		..		55,23,83,454.97	
Amount transferred within Budget 'A' Divisions ..	61,69,67,613.98		..		13,11,67,906.33		74,81,35,520.31	
Unadjusted Reserve Stores Account Stock. ..	1,25,25,240.15		..		..		1,25,25,240.15	
Unadjusted Reserve Stores (Foras Road Depot) ..	60,794.42		..		..		60,794.42	
Municipal Debt. Interest. ..	..		3,55,93,922.75		1,93,14,725.07		5,49,08,647.82	
Advances Suspense Account accumulated Surplus Balance payable to Budget 'G' ..	..		..		..		..
Compost Plant debt.charges ..	..		109.00		..		109.00	
Advances for consolidation of Passage in Pvt. Compounds. ..	..		..		..		..
Total—III (Other Susp.) ..	11,66,80,78,445.12		1,39,55,70,974.30		63,16,49,081.41		13,66,52,98,500.83	
Total (C) Suspense Expenditure ..	13,83,04,14,606.30		1,73,63,05,051.53		79,93,31,420.14		16,36,60,51,077.97	
Total Expenditure Budget 'A' ..	14,89,98,91,756.77		2,11,42,36,702.73		1,00,19,88,411.59		18,01,61,16,871.09	
Tree Authority Budget ..	17,69,949.78		..		..		17,69,949.78	

Appendix—15 (Contd.)

(CONSOLIDATED)

Account Heads	Improvement Scheme		Slum Improvement		Slum Clearance (City.)		Slum Clearance (Suburbs & Extd. 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 ..	4,18,79,187.87		4,86,51,535.70		25,41,593.83		16,38,824.03		9,47,11,141.43	
B—Cost of Management and Establishment ..	1,04,80,503.06		...		...		...		1,04,80,503.06	
C—Proportionate Charges on account of Municipal Supervision ..	43,80,923.95		...		...		...		43,80,923.95	
Deduct—Proportionate Share of Cost of Management & Establishment.—										
(a) General Account ..	Cr. 1,37,50,663.97		...		...		...		Cr. 1,37,50,663.97	
(b) Capital Account ..	Cr. 11,10,763.04		...		...		...		Cr. 11,10,763.04	
D—Debt Charges ..	1,29,21,420.46		16,14,534.00		47,34,946.98		42,25,739.00		2,34,96,640.44	
Total (A) General Account Expenditure	5,48,00,608.33		5,02,66,069.70		72,76,540.81		58,64,563.03		11,82,07,781.87	
B) Capital Account Expenditure improvement and Street etc. Schemes Expenditure.										
..	1,18,09,326.71		1,44,99,666.45		14,45,059.98		3,66,027.64		2,81,20,080.78	
Proportionate Share of Cost of Management and Establishment. ..	8,89,116.71		...		...		...		8,89,116.71	
Deficit in General Account— ..	..		...		34,88,069.46		45,28,984.92		80,17,054.38	
Total (B) Capital Expenditure	1,26,98,443.42		1,44,99,666.45		49,33,129.44		48,95,012.56		3,70,26,251.87	
(C) Suspense Account Expenditure										
I—Sinking etc. Fund Account										
(a) Sinking Fund Account ..	3,25,83,069.99		...		8,66,989.19		5,01,738.84		3,39,51,798.02	
Total—I (S. Fund)	3,25,83,069.99		...		8,66,989.19		5,01,738.84		3,39,51,798.02	
II—Paper and Cash Accounts										
(a) Sinking Fund. ..	1,05,16,995.94		4,35,391.63		22,69,017.72		16,12,102.84		1,48,33,503.13	
(b) Capital Fund. ..	...		..		..		..		..
(c) Investment Reserve Fund ..	...		..		..		..		..
(d) Rent Equalisation Fund. ..	100.00		...		...		...		100.00	
(e) Amenities Fund. ..	3.45		...		...		...		3.45	
Total—II (Papers and Cash)	1,05,17,099.39		4,35,391.63		22,69,017.72		16,12,102.84		1,48,33,611.58	
III—Other Suspense Account										
Repayment of B. I. T. etc. Loans ..	83,50,631.80		...		1,89,429.60		1,08,671.37		86,48,732.77	
B. I. T. Interest Warrants Payable Account. ..	...		...		...		...		...
Total—III (Other Susp.)	83,50,631.80		...		1,89,429.60		1,08,671.37		86,48,732.77	
Total—(C) Suspense Expenditure	5,14,50,801.18		4,35,391.63		33,25,436.51		22,22,513.05		5,74,34,142.37	
Total Expenditure Budget 'B'	11,89,49,852.93		6,52,01,127.78		1,55,35,106.76		1,29,82,088.64		21,25,68,175.11	

(CONSOLIDATED)

RECEIPTS				SUMMARY	DISBURSEMENTS			
DIVISION I	DIVISION II	DIVISION III	Total	ACCOUNTS	DIVISION I	DIVISION II	DIVISION III	Total
Rs. P.	Rs. P.	Rs. P.	Rs. P.		Rs. P.	Rs. P.	Rs. P.	Rs. P.
3,92,29,237.49	2,70,02,307.14	62,84,770.30	7,25,16,314.93	Opening Balance as at 1st April 1980	--	--	--	--
1,09,60,32,871.22	17,04,34,735.41	8,28,49,428.98	1,34,93,17,035.61	Budget 'A'				
14,82,00,778.38	8,28,12,834.33	6,54,26,434.35	29,64,40,047.06	(A) Revenue Account	93,67,08,017.32	29,41,32,071.64	14,46,79,439.79	1,37,55,19,528.75
13,58,54,11,442.83	1,87,53,92,154.00	85,92,69,590.16	16,32,00,73,186.99	(B) Capital Account	13,27,69,133.15	8,37,99,579.56	5,79,77,551.66	27,45,46,264.37
14,82,96,45,092.43	2,12,86,39,723.74	1,00,75,45,453.49	17,96,58,30,269.66	(C) Suspense Account	13,83,04,14,606.30	1,73,63,05,051.53	79,93,31,420.14	16,36,60,51,077.97
17,69,949.78	..	..	17,69,949.78	Total—Budget 'A'	14,89,98,91,756.77	2,11,42,36,702.73	1,00,19,88,411.59	18,01,61,16,871.09
11,82,07,781.87	..	..	11,82,07,781.87	Tree Authority Budget	17,69,949.78	..	..	17,69,949.78
3,70,26,251.87	..	..	3,70,26,251.87	Budget 'B'				
6,03,80,142.37	..	..	6,03,80,142.37	(A) General Account	11,82,07,781.87	..	..	11,82,07,781.87
21,56,14,176.11	..	..	21,56,14,176.11	(B) Capital Account	3,70,26,251.87	..	..	3,70,26,251.87
15,04,70,29,218.32	2,12,86,39,723.74	1,00,75,45,453.49	18,18,32,14,395.55	(C) Suspense Account	5,74,34,142.37	..	..	5,74,34,142.37
..	..	..	..	Total—Budget 'B'	21,26,68,176.11	..	..	21,26,68,176.11
15,08,62,58,455.81	2,15,56,42,030.88	1,01,38,30,223.79	8,25,57,30,710.48	Total Budgets 'A' + 'B' + TA.	15,11,43,29,882.66	2,11,42,36,702.73	1,00,19,88,411.59	18,23,05,54,996.98
				Closing Balance as at 31st March 1981 as reconciled below* with the Cash Position	Dr. 2,80,71,426.85	4,14,05,328.15	1,18,41,812.20	2,51,75,713.50
				GRAND TOTAL	15,08,62,58,455.81	2,15,56,42,030.88	1,01,38,30,223.79	18,25,57,30,710.48
				*Bank Reconciliation :				
				Balance as per Bank's Pass Book	Dr. 4,89,80,413.18	53,97,828.22	..	Dr. 4,35,82,584.96
				Add : Revenue sent to the Bank on 31st March 1981 but acknowledged on 1st April 1981	32,45,797.45	34,85,836.95	21,66,040.54	88,97,674.94
				Less : Uncashed Cheques	4,14,78,780.91	93,40,611.32	73,84,636.12	5,82,04,028.35
				Total—Bank Position	Dr. 8,72,13,396.64	Dr. 4,56,946.15	Dr. 52,18,595.58	Dr. 9,28,88,938.37
				Balance in Bank as per Day Book (Column No. 10)—				
				Balance in Office, in Government Promisory Notes etc.	2,37,850.00	7,98,600.00	9,51,275.00	19,87,725.00
				Balance in Office in Cash	5,89,04,119.79	3,570.06	4,639.83	5,89,12,329.68
				Collection kept in office	..	4,10,60,104.24	1,61,04,492.95	5,71,64,597.19
				Total—Office Position	5,91,41,969.79	4,18,62,274.30	1,70,60,407.78	11,80,64,651.87
				Closing Balance as at 31st March 1981 as shown at *above.	Dr. 2,80,71,426.85	4,14,05,328.15	1,18,41,812.20	2,51,75,713.50

APPENDIX No. 27.

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1981.

Particulars	Amounts	Particulars	Amounts
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 35 ...	5,48,00,608	By Revenue Receipts as per Appendix No. 31 ...	6,79,05,910
Balance being Surplus transferred to Capital Account Balance Sheet ...	1,31,05,302		
Total ...	6,79,05,910	Total ...	6,79,05,910

APPENDIX No. 28

Slum Clearance Account—(City) General Account for the year ending 31st March 1981.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 36 ...	72,76,541	By Revenue Receipts under—	
		I—Rent and other proceeds of properties ...	29,24,471
		II—Interest and Profits on Investments ...	...
		IV—Transfer of excess in Sinking Fund ...	8,64,000
		Balance being Deficit transferred to Capital Account Balance Sheet ...	37,88,471
Total ...	72,76,541	Total ...	34,88,070
			72,76,541

APPENDIX No. 29.

Slum Clearance Account—(Suburbs and Extended Suburbs) General Account for the year ending 31st March 1981.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 37 ...	58,64,563	By Revenue Receipts under—	
		L(a) Rents and other proceeds of properties ...	6,49,358
		(b) Receipts from Social Welfare Centre at S. G. Barve Nagar ...	20,562
		II— Interest and Profits on Investments ...	...
		III— Miscellaneous Receipts ...	6,65,658
		Balance being Deficit transferred to Capital Account Balance Sheet ...	45,28,985
Total ...	58,64,563	Total ...	58,64,563

APPENDIX No. 30.

Improvement schemes A/c. slum Improvement General Account for the year ending 31st March 1981.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 38. ..	5,02,66,069	By Revenue Receipts under (i) Hutment Colony ...	1,07,62,999
		(ii) Contribution . from Budget ..A' ..	3,95,03,070
		(iii) Subsidy for meeting the deficit ...	..
Total ..	5,02,66,069	Total ..	5,02,66,069

APPENDIX No. 3)

IMPROVEMENT SCHEMES

Balance Sheet—(Capital Account) as on 31st March 1981.

LIABILITIES		Amount.		ASSETS		Amount.	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
LOANS OUTSTANDING—				BLOCK ACCOUNT—			
(Vide details as shown in appendix No. 52)	...	16,15,28,000.00		Property & Assets at original cost as per Appendix No. 43	...	38,19,98,099.69	
Loan Redemption Fund	...	11,89,82,469.06		LESS—ASSETS CREDITED BY—			
Advance from Surplus Moneys	...	3,98,90,512.13		(1) Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan †	... 25,07,830.00		
				(2) Special grants from the Govt. 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 & Buildings	... 8,79,82,433.96		
Book value of land comprised in Schedules "W" and "X"	...	47,58,490.00				-9,64,20,313.96	
Sinking Fund on Loans	...	8,77,80,745.87		Book value of lands comprised in Schedules "W" & "X" as per Appendix No. 47 (Section 97A of B. M. C. Act.)	...	47,58,490.00	
SPECIAL FUNDS—				INVESTMENT—			
Investment Reserve Fund	...	2,23,67,817.68		Sinking Fund - In paper & Cash as per Appendix No. 43	...	8,77,80,745.87	
Amenities Fund	...	31,41,500.68		Investment Reserve Fund - In Fixed Deposit & Cash	...	2,23,67,817.68	
Rent Equalisation Fund	...	95,18,975.17		Amenities Fund - In Fixed Deposit & Cash	...	31,41,500.68	
Less:				Rent Equalisation Fund - In Fixed Deposit & Cash	...	95,18,975.17	
			44,79,68,530.59	CAPITAL FUND—			
REVENUE DEFICIT—				In Fixed Deposits			
Deficit upto 31st March 1980	... 4,79,28,517.09			...	...
Deduct—Surplus during 1980-81	... -1,31,05,301.63			In Cash	...		
			-3,48,23,215.46				
			41,31,45,315.13				41,31,45,315.13

Div-I

* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1981, 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 Loan Transferred to Capital Account as the Loan is converted into a fresh Loan repayable in equated annual instalments (vide C. R. No. 94 of 4th May 1936)

Appendix No. 40

Slum Clearance City

Balance Sheet Capital Account as on 31st March 1981.

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
LOAN OUTSTANDING—			Block Account—		
(Vide details as shown in Appendix No. 53)	6,10,40,399.97		Property and Assets at original cost as per Appendix No. 44	4,61,93,659.31	
Subsidy from Government ...	1,06,52,426.00		Investment—		
Sale proceeds up to 31st March 1981 ...	33,028.68		Sinking Fund as per Appendix No. 49 ...	1,76,94,508.68	
Sinking Fund on Loans ...	1,76,94,508.68		CAPITAL FUND—		
Loan Redemption Fund ...	15,60,516.03		In Fixed Deposits ...		
Advance from Surplus monies ...	67,79,233.39		Cash ...		
		9,77,60,112.75			
Less—	Rs.	P.			
Revenue Deficit					
Deficit upto 31st March 1980	3,03,83,875.30				
Add—Deficit during 1980-81	34,88,069.46				
		—3,38,71,944.76			
Total ...	6,38,88,167.99		Total ...	6,38,88,167.99	

Appendix No. 41

Slum Clearance Suburbs & Extended Suburbs.

Balance Sheet Capital Account as on 31st March 1981.

LIABILITIES.	Amount		ASSETS.	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 53) ...	5,28,13,400.35		Block Account—		
Subsidy from Government ...	57,82,779.00		Property and Assets at original cost as per Appendix No. 45	4,53,45,087.68	
Sinking Fund on loans ...	1,16,14,127.07		Investment—		
Sale proceeds upto 31st March 1981 ...	36,48,754.54		Sinking Fund as per App. 50 ...	1,16,14,127.07	
Loan Redemption Fund ...	8,79,576.65		Capital Fund—		
Advance from Surplus monies ...	88,49,399.54		In Fixed Deposits Rs. ...		
		8,35,88,037.55	Cash Rs. ...		
Less :					
Revenue Deficit					
Deficit upto 31st March 1980	2,20,99,837.88				
Add—Deficit during 1980-81	45,28,984.92				
		—2,66,28,622.80			
Total ...	5,69,59,214.75		Total ...	5,69,59,214.75	

Appendix No. 42

Slum Improvement

Balance Sheet Capital Account as on 31st March 1981

LIABILITIES.	AMOUNT		ASSETS.	AMOUNT	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 54) ...	2,00,00,000.00		Block Account—		
Sinking Fund on Loan ...	15,58,716.78		Property and Assets at original cost as per Appendix No. 46. ...	8,47,79,674.56	
Grant-in-Aid from Govt. ...	4,25,52,271.21		Investment—		
Advance from Surplus monies ...	2,22,27,403.35		Sinking Fund as per App. 51 ...	15,98,716.78	
			Capital Fund—		
			In Fixed Deposits ...		
			Cash ...		
Total ...	8,63,78,391.34		Total ...	8,63,78,391.34	

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Appendix No. 43

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1981.

Particulars	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81	Total Capital Expenditure upto 31st March 1981	Particulars	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81	Total Capital Expenditure upto 31st March 1981
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
CAPITAL ACCOUNT				Brought over	34,30,07,958	23,82,079	34,53,90,037
Improvement and Street Schemes.				Housing Accommodation of Acquisition of land at Mcgravi shifting potter from Dhara to Jogeshwari	34,86,438	85,16,439	1,20,02,877
Schedule W Lands	13,45,571	...	13,45,571	Const. of 100' wide Rd., from King Edward to Jakeria Bunder Road—Acquisition of Port Trust land by B. M. C.	5,74,346	...	5,74,346
Schedule X Lands	16,26,471	...	16,26,471	Acquisition of Land in survey No. 129, Hissal, Squatters Nos. 130-136 of Eksar Pahad for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes	94,149	...	94,149
Schedule Z Lands	8	...	8	Acquisition of land at Borla village	7,00,465	17,99,925	25,00,390
Scheme No.				Acquisition of land bearing C. S. No. 1325 (Part) and 1/325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme	1,82,329	...	1,82,329
1 First Nagpada	29,16,099	...	29,16,099	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
2 Princess Street	85,08,865	...	85,08,865	Taking over explosion victim tenements S. P. Sheds at Shantinagar Arthur Road, etc.	4,84,801	...	4,84,801
3 Sandhurst Road	1,16,02,375	...	1,16,02,375		35,16,91,243	1,26,98,443	36,43,89,686
4 Gamdevi	22,88,002	...	22,88,002	Police Accommodation Schemes			
5 Dadar-Matunga	1,00,53,384	...	1,00,53,384	Scheme No.			
6 Sion-Matunga	2,06,59,727	...	2,06,59,727	14 First Nagpada	84,450	...	84,450
7 Colaba Reclamation	4,78,538	...	4,78,538	16 Wodehouse Road	3,22,667	...	3,22,667
8 Mandvi-Koliwada	26,52,501	...	26,52,501	17 Duncan Road	58,981	...	58,981
11 Agripada	3,127	...	3,127	18 Shepherd Road	36,223	...	36,223
13 Souther Street Extension—				19 Agripada	1,79,120	...	1,79,120
East-wards	68,102	...	68,102	23 Connaught Road	79,495	...	79,495
27 Methew Road	14,11,129	...	14,11,129	24 Princess Street	2,65,953	...	2,65,953
29 Nowroji Hill	86,57,482	...	86,57,482	25 Gamdevi	1,29,407	...	1,29,407
30 Souther Street Extension—				34 Lamington Road	4,61,024	...	4,61,024
West-wards	1,30,512	...	1,30,512	35 Sandhurst Road West	1,46,104	...	1,46,104
31 Parel Suparibaug Estate	91,42,350	...	91,42,350	39 Sandhurst Road East	8,28,411	...	8,28,411
32 East Agripada	59,59,050	...	59,59,050	40 Byculla	8,28,411	...	8,28,411
33 Bhatwadi	3,28,433	...	3,28,433	44 Maharbaudi	2,71,434	...	2,71,434
36 Lamington Road	2,91,191	...	2,91,191	45 Palton Road	5,71,492	...	5,71,492
37 Sydenham Road	1,40,51,180	...	1,40,51,180	46 Naigaum	5,69,142	...	5,69,142
41 Undria Street	5,72,800	...	5,72,800	48 Mahim	4,53,032	...	4,53,032
43 Parel Road Central	38,97,348	...	38,97,348	55 Chinchbunder Road	4,32,656	...	4,32,656
47 Parel Road North	52,96,220	...	52,96,220	55A Mazagaon	4,53,560	...	4,53,560
49 Nepean Sea Road—Reclamation	3,053	...	3,053	63 King's Circle (Matunga)	4,82,185	...	4,82,185
50 Mazagaon Street	40,68,206	...	40,68,206	67 Naigaum (for Armed Police and Recruits)	24,42,031	...	24,42,031
52 Worli Street	2,80,89,520	...	2,80,89,520	70 Arthur Road	1,58,357	...	1,58,357
53 Foras Road	36,82,045	...	36,82,045		91,84,617	...	91,84,617
54 Kolbhatwadi	21,79,254	...	21,79,254	Mill Company's Chawl Schemes			
55 B. Hissal Road	19,668	4,31,684	4,51,352	Scheme No.			
56 Dharavi Street	1,76,51,383	6,38,305	1,82,89,688	42 Spring Mills	5,18,990	...	5,18,990
57 Sewri-Wadala	5,46,5,504	13,12,090	5,59,8,594	51 Century Mills	1,29,980	...	1,29,980
58 Worli-Extension	1,71,69,75	...	1,71,69,75	65 David Mills	2,96,852	...	2,96,852
59 Sewri-Koliwada	6,91,392	...	6,91,392		9,45,822	...	9,45,822
60 Naigaum Street	76,18,685	...	76,18,685	Carried forward	16,18,21,682	1,26,98,443	37,45,20,125
61 Fergusson Road	15,68,030	...	15,68,030				
62 Love Lane	16,18,731	...	16,18,731				
66 Mahalaxmi	4,86,705	...	4,86,705				
69 Widening of Byculla Bridge	7,20,290	...	7,20,290				
71 Chaupati Street	24,085	...	24,085				
Chaupati Reclamation	1,889	...	1,889				
East Chaupati Estate	4,380	...	4,380				
Lump Sum Provision for granting loans to erect buildings on Imp. Scheme lands as provided under Section 354W of the Municipal Act	15,040	...	15,040				
72 Tripartite Road	2,26,684	...	2,26,684				
73 Palton Road	10,37,510	...	10,37,510				
74 Sion 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.	8,63,31,843	...	8,63,31,843				
Housing of squatters on land Near Mankhurd Railway Station	8,38,300	...	8,38,300				
Housing of Squatters on land near Jogeshwari	7,30,846	...	7,30,846				
76 Lchar Chawl Gully	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 Govand	7,03,035	...	7,03,035				
Carried forward	34,30,07,958	23,82,079	34,53,90,037	Carried forward	16,18,21,682	1,26,98,443	37,45,20,125

Appendix No. 43—(Concl.)

Particulars	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81.	Total Capital Expenditure upto 31st March 1981	Particulars	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81.	Total Capital Expenditure upto 31st March 1981
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	36,18,21,682	1,26,98,443	37,45,20,125	Brought over ...	36,22,84,993	1,26,98,443	37,49,83,436
Slum Clearance.				Brought over ...	7,56,460	...	7,56,460
Preliminary Expenses ...	22,481	...	22,431	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 Queen's 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 Frere Fletcher 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...	36,22,84,993	1,26,98,443	37,49,83,436	Grand Total ..	36,92,99,656	1,26,98,443	38,19,98,099

This figure includes Rs. 8,89,117 being the share of cost of Management and Establishment chargeable to Capital Account.

Div.—1

APPENDIX No. 44.

IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 31st March 1981.

PARTICULARS	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81	Total Capital Expenditure upto 31st March 1981
	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) ..	37,45,043	45,153	37,90,196
Construction of bldg. at Bhat Chawl compound at Wcrl ..	...	4,756	4,756
Total A.—Works to be carried out from Municipal Fund ..	69,25,358	49,909	69,75,267
B.—Works to be carried out with the Government Aid—			
Acquisition of land within, adjoining or surrounded by Clearance Areas for—rehousing or other development works ..	43,68,636	16,105	43,84,741
Permanent Housing for Slum Population ..	3,34,54,605	13,79,046	3,48,33,651
Total B.—Works to be carried out with the Government Aid ..	3,78,23,241	13,95,151	3,92,18,392
Grand Total* ..	4,47,48,599	14,45,060	4,61,93,659

* 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 1981.

PARTICULARS	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81	Total Capital Expenditure upto 31st March 1981
	Rs.	Rs.	Rs.
Slum Clearance—Suburbs.			
A.—Works to be carried out from Municipal Fund.			
Miscellaneous expenses including Preliminary Expenses (Staff and Contingencies) ..	1,76,21,724	..	1,76,21,724
Total A.—Works to be carried out from Municipal Fund ..	1,76,21,724	...	1,76,21,724
B.—Works to be carried out with the Government Aid			
(b) Chawl and S. P. Chawls ..	2,73,57,335	3,66,028	2,77,23,363
Total B.—Works to be carried out with the Government Aid ..	2,73,57,335	3,66,028	2,77,23,363
Grand Total ..	4,49,79,059	3,66,028	4,53,45,087

APPENDIX No. 46.

IMPROVEMENT SCHEMES SLUM IMPROVEMENTS

Block account showing details of Capital Expenditure upto 31st March 1981.

PARTICULARS	Total Capital Expenditure upto 31st March 1980	Expenditure during 1980-81	Total Capital Expenditure upto 31st March 1981
	Rs.	Rs.	Rs.
(a) Construction.			
(1) Providing Civic amenities under the environment all 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 ..	4,34,89,579	90,51,440	5,25,41,019
(2) Providing additional amenities to Slum population Schemes ..	2,67,90,429	54,48,226	3,22,38,655
TOTAL ..	7,02,80,008	1,44,99,666	8,47,79,674

APPENDIX No. 52—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1981, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1981.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1981
1	2.	3	4	1	2	3	4
Rs.				Rs.			
	Improvement Scheme—				Programme No. 10		
	Loans Raised from the Government.				Rs. 1,62,343 Loan, 1966-67	5½%	1,43,657.50
				46	Rs. 2,108 Loan, 1967-68	5½%	1,859.85
1	Rs. 45 lakhs Loan 1921	4½%	45,00,000.00	47	Rs. 1,146 Loan, 1967-68	5½%	1,011.5
				48	Rs. 58,984 Loan, 1968-69 Prog. 10	5½%	52,218.5
2	Rs. 172 lakhs Loan 1922	4½%	1,72,00,000.00	49	Total—		1,97,954.05
3	Rs. 89 lakhs Loan 1923	4½%	89,00,000.00		Programme No. 11		
4	Rs. 100 lakhs Loan 1924	4½%	1,00,00,000.00		Rs. 69,426 Loan, 1968-69	5½%	61,237.48
5	Rs. 70 Lakhs Loan 1925	4½%	70,00,000.00	50	Rs. 75,936 Loan, 1969-70	5½%	69,075.47
	Total—Govt. Loans		4,76,00,000.00	51	Rs. 13,725 Loan, 1970-71	6½%	12,218.67
	Loans raised from Public—			52	Total—Prog. 11		1,40,481.62
6	Rs. 19.28 Lakhs Debenture Loan out of Rs. 19.39 Lakhs Loan, 1956-57.	4%	19,28,000.00		Total—Govt. Loans		65,04,399.97
7	Rs. 50 Lakhs Loan, 1959-60	4½%	50,00,000.00		Loan raised from the Public		
8	Rs. 70 Lakhs Loan, 1960-61	4½%	70,00,000.00	53	Rs. 10 Lakhs Loan, 1956-57	4%	10,00,000.00
9	Rs. 50 Lakhs Loan, 1961-62	4½%	50,00,000.00	54	Rs. 20 Lakhs Loan, 1957-58	4½%	20,00,000.00
10	Rs. 100 Lakhs Loan 1962-63	4½%	1,00,00,000.00	55	Rs. 10 Lakhs Loan, 1958-59	4%	10,00,000.00
11	Rs. 50 Lakhs Loan, 1963-64	4½%	50,00,000.00	56	Rs. 25 Lakhs Loan, 1959-60	4%	25,00,000.00
12	Rs. 100 Lakhs Loan, 1965-66	6%	1,00,00,000.00	57	Rs. 50 Lakhs Loan, 1961-62	4½%	50,00,000.00
13	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00	58	Rs. 30 Lakhs Loan, 1964-65	4½%	30,00,000.00
14	Rs. 50 Lakhs Loan, 1967-68	6%	50,00,000.00	59	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00
15	Rs. 75 Lakhs Loan, 1968-69	6%	75,00,000.00	60	Rs. 25 Lakhs Loan, 1971-72	6%	25,00,000.00
16	Rs. 250 Lakhs Loan 1976-77	6½%	2,50,00,000.00	61	Rs. 50 Lakhs Loan, 1972-73	6%	50,00,000.00
17	Rs. 275 Lakhs Loan 1977-78	6½%	2,75,00,000.00	62	Rs. 50 Lakhs Loan, 1973-74	6%	50,00,000.00
	Total—Public Loans		11,39,28,000.00	63	Rs. 75 Lakhs Loan, 1975-76	6½%	75,00,000.00
	Total—Improvement Scheme		15,15,28,000.80	64	Rs. 100 Lakhs Loan, 1976-77	6½%	1,00,00,000.00
	Slum Clearance—City—			65	Rs. 50 Lakhs Loan 1977-78	6½%	50,00,000.00
	Loans raised from the Govt.				Total—Public Loans		5,45,00,000.00
	Programme No. 1				Total—Slum Clearance (City)...		6,10,04,39.97
18	Rs. 9,50,997 Loan, 1957-58	4½%	7,35,236.48		Slum Clearance—Suburbs		
19	Rs. 6 12,000 Loan, 1958-59	4½%	4,71,150.5		& Extd. Suburbs—		
20	Rs. 2 73,000 Loan, 1959-60	4½%	2,11,064.62		an raised from the Govt.—		
21	Rs. 1,85,000 Loan, 1960-61	4½%	1,43,027.59	66	Programme No. 2		
22	Rs. 5,04,000 Loan, 1961-62	4½%	3,61,820.97	67	Rs. 307,000 Loan, 1959-60	4½%	2,66,647.63
23	Rs. 2,64,529 Loan 1962-63	5½%	2,09,635.65	68	Rs. 5,84,000 Loan, 1960-61	4½%	5,07,232.66
24	Rs. 2 50 971 Loan, 1963-64	5½%	1,98,891.12	69	Rs. 3,54,375 Loan, 1962-63	5½%	3,12,457.20
25	Rs. 47,250 Loan, 1964-65	5½%	37,445.01	70	Rs. 1,67,625 Loan, 1963-64	5½%	1,47,798.03
26	Rs. 2 20 355 Loan, 1964-65	5½%	1,74,628.39	71	Rs. 2,43,364 Loan, 1964-65	5½%	2,14,591.49
27	Rs. 50,504 Loan, 1965-66	5½%	39,934.49		Rs. 11,599 Loan, 1966-67	5½%	10,212.37
28	Rs. 73 Loan, 1965-66	5½%	57.78		Total—Prog. 2		14,58,43.38
29	Rs. 568 Loan 1968-69	5½%	449.22		Programme No. 3		
	Total—Prog. 1...		25,85,311.97	72	Rs. 1,62,000 Loan, 1960-61	4½%	1,01,670.58
	Programme No. 2			73	Rs. 9,72,000 Loan, 1961-62	4½%	6,10,022.35
30	Rs. 94,500 Loan, 1961-62	4½%	82,074.32	74	Rs. 1,00,182 Loan, 1962-63	5½%	65,311.18
	Total—Prog. 2...		82,074.32	75	Rs. 7,818 Loan, 1963-64	5½%	5,077.42
	Programme No. 3				Total—Prog. 3		7,82,101.53
31	Rs. 9,00,000 Loan 1960-61	4½%	5,64,844.35		Programme No. 4		
32	Rs. 62,037 Loan 1962-63	5½%	40,443.60	76	Rs. 4,65,300 Loan 1963-64	5½%	4,10,268.31
33	Rs. 9,963 Loan 1963-64	5½%	6,495.45	77	Rs. 1,08,900 Loan 1964-65	5½%	96,021.46
	Total—Prog. 3		6,11,783.40	78	Rs. 4,75,911 Loan 1964-65	5½%	4,19,616.50
	Programme No. 4			79	Rs. 1,31,267 Loan 1965-66	5½%	1,15,780.09
34	Rs. 3,69,600 Loan, 1963-64	5½%	3,25,089.03	80	Rs. 1,53,917 Loan 1965-66	5½%	1,35,759.27
35	Rs. 1,84,800 Loan, 1964-65	5½%	1,62,941.03	81	Rs. 1,07,739 Loan 1965-66	5½%	95,027.20
	Total—Prog. 4		4,88,832.06	82	Rs. 1,06,343 Loan 1965-66	5½%	93,795.54
	Programme No. 6			83	Rs. 1,28,865 Loan 1966-67	5½%	1,13,661.86
36	Rs. 1,53,900 Loan, 1966-67	5½%	1,21,705.11	84	Rs. 66,705 Loan 1967-68	5½%	58,837.53
37	Rs. 10,190 Loan, 1967-68	5½%	8,057.45	85	Rs. 12,159 Loan, 1967-68	5½%	10,727.40
38	Rs. 6 910 Loan, 1967-68	5½%	5,463.80	86	Rs. 22,388 Loan 1968-69	5½%	19,749.93
39	Rs. 57,000 Loan, 1968-69	5½%	45,071.10	87	Rs. 3,519 Loan 1968-69	5½%	3,115.35
	Total—Prog. 6		1,80,297.46		Total Prog. 4		15,72,350.44
	Programme No. 9				Total Govt. Loan		38,13,400.35
40	Rs. 6,10,818 Loan, 1966-67	5½%	5,38,754.53		Loans raised from the Public—		
41	Rs. 5,73,838 Loan, 1967-68	5½%	5,06,136.61	88	Rs. 50 Lakhs Loan 1962-63	4½%	50,00,000.00
42	Rs. 7,28,110 Loan, 1968-69	5½%	6,42,044.33	89	Rs. 50 Lakhs Loan 1966-67	6%	50,00,000.00
43	Rs. 1,00,518 Loan, 1968-69	5½%	89,662.4	90	Rs. 50 Lakhs Loan 1967-68	6%	50,00,000.00
44	Rs. 1,04,516 Loan, 1969-70	5½%	92,184.71	91	Rs. 25 Lakhs Loan 1968-69	6%	25,00,000.00
45	Rs. 3,91,298 Loan, 1970-71	6½%	3,49,692.51	92	Rs. 40 Lakhs Loan 1973-74	6%	40,00,000.00
	Total—Prog. 9.		22,17,635.13	93	Rs. 100 Lakhs Loan 1975-76	6½%	1,00,00,000.00
				94	Rs. 125 Lakhs Loan 1976-77	6½%	1,25,00,000.00
				95	Rs. 50 Lakhs Loan 1977-78	6½%	50,00,000.00
					Total—Public Loans		4,90,00,000.00
					Total—Slum Clearance (Subs. & Ext. Subs.)		5,28,13,400.35
					Slum Improvement—		
					Loans raised from Public :-		
					Rs. 200 Lakhs Loan 1976-77	6½%	2,00,00,000.00
					Total—Slum Improvement		2,00,00,000.00
					Grand Total—Budget 'B'		29,53,45,800.32

Statement showing position of Housing Loans granted to the Co-operative Housing Societies
(Under Section 354WB(3) of the Bombay

Serial No.	Name of the Co-operative Housing Society	No. of members	Govt. Rrgrn. No. BOVI/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1981
					Improvement Committee Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
				Rs.			Rs.
1	Udayshree, Bhandup	52	363/63	10,73,000	528 643	14-3-1967 23-3-1971	9,93,000
2	The Swapna Safalya, Worli	44	2688/70	8,43,000	102 348 584	26-6-1973 7-9-1971 13-1-1973	8,43,000
3	Borivli Dharmakshetra, Borivali East	12	2519/70	1,56,000	104	2-7-1971	1,56,000
4	Abhinav, Borivli (East)	198	815/64	50,00,000	528 200	14-3-1967 7-6-1977	40,00,000
5	Usha Bahar, Sewtee	16	2854/71	3,27,000	122 419	20-6-1972 20-4-1973	3,27,000
6	Aitra-Dham, Parel	39	2910/71	10,09,900	121 565	20-6-1972 13-1-1973	10,09,900
7	Palika Vrinda, Worli	28	3293/72	7,01,800	422 564	5-12-1972 15-1-1974	7,01,800
8	New Dharmakshetra, No.2, Borivli	15	3474/72	2,50,000	423	5-12-1972	2,50,000
9	Mandapeshwar Kripa, Borivli	84	3416/72	16,26,000	591	13-1-1973	16,26,000
10	Jala Sanidhya, Worli	20	2985/71	8,12,000	590	13-1-1973	8,12,000
11	Municipal Employees Tansa, Kurla	23	3478/72	5,02,000	722 562	20-3-1973 11-2-1975	5,02,000
12	Upper Vaitarna, Worli	20	3001/71	4,80,000	593	13-1-1973 26-7-1974	4,80,000
13	Gumpha Darshan, (Bldg. 'C'), Borivli (East)	19	2927/71	4,28,000	699 402	27-3-1973 28-10-1974	4,28,000
	—do— (Bldg. 'A' & 'B'), Borivali (East)	26	2927/71	4,46,400	25	25-4-1972	4,46,400
14	Veer Dhaval, Borivli	14	3331/72	2,44,600	717 619	23-4-1974 11-3-1975	2,44,600
15	The Municipal Adhyapak Nagar, Kurla	16	3837/72	4,95,800	30 6	23-4-1974 15-4-1975	4,95,800
16	Om Mayuresh, Mulund (East)	48	4041/73	17,97,500	741 674	30-3-1974 25-3-1975	17,97,500
17	Kandivali View	18	4133/74	4,89,000	701	12-3-1974	4,89,000
18	Om Audumbar Prasad, Worli	20	3292/72	5,60,000	205 295	16-7-1974 8-10-1975	5,60,000
19	The Nagpada Municipal Employees	10	3696/73	2,80,500	243 298	26-7-1974 8-10-1975	2,80,500
20	Nav Sai Sadan, Mulund (East)	24	3929/73	7,60,400	573	11-2-1975	7,60,400
21	Chatak, Kandivli (West)	18	4360/75	4,93,000	613	11-3-1975	4,93,000
22	Om Yogini, Malad (West)	40	4309/74	12,96,000	5 622	15-4-1975 9-3-1976	12,96,000
23	Kasturi Milan, Borivli (West)	16	4425/75	5,39,000	42	9-5-1975	5,39,000
24	Kimaya, Sion (East)	10	4040/73	3,01,700	535	15-1-1975	3,01,700
25	Yog Prabha, Borivli (West)	32	4054/73	7,39,000	61	20-6-1975	7,39,000
26	New Veena Vihar, Kandivli (West)	50	4534/75	13,00,000	211	5-9-1975	13,00,000
27	New Amartara, Borivli	21	4507/75	5,96,000	77	20-6-1975	5,96,000
28	Municipal Staff Sahayog, Andheri (West)	51	4555/75	21,92,760	326	15-10-1975	21,92,760
29	Hima Sahyadri, Chatkopar	12	3297/72	3,81,900	102	26-6-1974	3,81,900
30	Vaishali, Kandivli (West)	25	4443/75	8,90,900	189	19-8-1975	8,90,900
31	Andheri Nav Bahar	42	4233/74	17,89,600	418	17-12-1975	17,89,600
	Total—Carried over	1063		2,86,02,760			2,77,22,760

No. 58

of the Municipal Employees as on 31st March 1981
(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 31-3-1980	Amount of Loan paid during 1980-81	Less : Loan Amount repaid during 1980-81	Loan Balance outstanding as on 31-3-1981	Interest outstanding as on 31-3-1981	Interest Accrued during 1980-81	Less : Interest recovered during 1980-81	Interest outstanding as on 1-4-1981			Date	Month
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	10	
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.		
5,12,004.00	...	62,064.00	4,49,940.00	5,00,713.88	30,174.99	...	5,30,888.87	26	5/8/11/2
4,87,290.00	...	52,680.00	4,34,610.00	3,40,852.66	28,455.32	...	3,69,307.98	7	4/7/10/1
81,600.00	...	12,000.00	69,600.00	62,982.70	4,730.53	...	67,713.23	5	4/7/10/1
34,92,800.00	...	1,50,400.00	33,42,400.00	10,11,071.45	2,12,865.16	...	12,23,937.61	17	4/7/10/1
1,99,250.00	...	20,440.00	1,78,810.00	1,27,625.13	12,186.24	...	1,39,811.37	29	6/9/12/3
5,82,750.00	...	63,000.00	5,19,750.00	3,82,221.94	34,676.95	...	4,16,898.89	6	6/3/12/3
4,38,600.00	...	43,860.00	3,94,740.00	2,57,174.60	26,376.08	...	2,83,550.68	30	6/9/12/3
1,67,700.00	...	15,600.00	1,52,100.00	93,756.22	10,385.01	...	1,04,141.29	26	5/8/11/2
11,17,600.00	...	1,01,600.00	10,16,000.00	5,66,920.56	66,322.73	...	6,33,243.29	26	4/7/10/1
4,50,000.00	...	49,000.00	4,41,000.00	2,70,524.82	29,513.27	...	3,00,038.09	29	6/9/12/3
3,44,960.00	...	31,300.00	3,13,660.00	1,70,542.47	20,798.81	...	1,91,341.28	26	6/9/12/3
3,15,000.00	...	30,000.00	2,85,000.00	1,63,655.04	18,941.33	...	1,82,596.37	last day ;	5/8/11/2
3,00,928.00	...	26,752.00	2,74,176.00	1,44,193.03	18,054.45	...	1,62,247.48	30	5-18/11/2
2,72,025.00	...	27,900.00	2,44,125.00	1,75,530.03	16,289.71	...	1,91,819.74	19	6/9/12/3
1,54,830.00	1,94,820.00	80,393.41	12,176.25	...	92,569.66	10	6/9/12/3
4,17,960.00	...	30,960.00	3,87,000.00	1,63,507.50	25,357.77	...	1,89,265.67	7	6/9/12/3
14,06,845.00	...	51,119.00	13,55,726.00	5,79,633.06	87,507.39	...	6,67,141.05	1	4/7/10/1
3,13,050.00	...	30,600.00	2,82,450.00	1,45,970.40	18,835.99	...	1,64,806.39	27	6/9/12/3
4,28,750.00	...	35,000.00	3,93,750.00	1,57,440.16	25,616.22	...	1,83,056.38	1	5/8/11/2
2,03,800.00	...	17,400.00	1,91,400.00	78,961.04	12,673.83	...	91,634.87	13	6/9/12/3
5,94,000.00	...	59,400.00	5,34,600.00	2,09,154.87	35,328.75	...	2,44,483.62	1	4/7/10/1
3,46,500.00	...	30,800.00	3,15,700.00	1,29,382.18	21,071.53	...	1,50,453.71	30	5/8/11/2
10,32,200.00	...	60,750.00	9,71,500.00	3,40,940.02	48,305.50	...	3,89,245.52	6	6/9/12/3
4,21,000.00	...	25,260.00	3,95,740.00	1,37,628.40	25,463.30	...	1,63,091.70	17	6/9/12/3
2,39,700.00	...	23,500.00	2,16,200.00	74,522.17	14,165.99	...	8,638.16	18	5/8/11/2
5,75,000.00	...	46,000.00	5,29,000.00	1,80,618.69	34,846.58	...	2,15,465.27	23	6/9/12/3
9,74,400.00	...	1,01,500.00	8,72,900.00	3,14,666.71	58,449.42	...	3,73,116.13	8	5/8/11/2
4,37,100.00	...	37,200.00	3,99,900.00	1,43,137.87	26,052.74	...	1,69,190.61	30	4/7/10/1
16,10,220.00	...	1,37,040.00	14,73,180.00	5,23,123.50	96,655.48	...	6,19,778.98	29	5/8/11/2
3,21,300.00	...	23,800.00	2,97,500.00	93,226.92	19,494.39	...	1,12,721.31	24	6/9/12/3
6,67,200.00	...	55,600.00	6,11,600.00	2,01,817.70	40,248.12	...	2,42,065.82	5	6/9/12/3
14,81,880.00	...	1,11,840.00	13,70,040.00	4,09,000.33	88,332.57	...	4,97,332.50	5	4/7/10/1
...	...	15,64,425.00	1,89,08,857.00	82,31,290.46	12,20,353.40	...	94,51,643.92		

No. 58—Contd,
the Municipal Employees as on 31st March 1981
(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 31-3-1980	Amount of Loan paid during 1979-81	Less : Loan Amount repaid during 1980-81	Loan Balance outstanding as on 1-4-1981	Interest outstanding as on 1-4-1980	Interest Accrued during 1980-81	Less : Interest recovered during 1980-81	Interest outstanding as on 31-3-1981		
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	10	
Rs. P.	Rs.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Date	Month
2,47,282.00	...	15,64,25.00	1,82,08,857.00	82,31,290.46	12,20,353 46	...	94,51,643.92		
3,57,500.00	...	30,000.00	3,67,500.00	1,03,217.82	24,068 07	...	1,27,285 89	17	6/9/12/3
32,44,000.00	32,44,000.00	6,37,050.58	2,02,750 14	...	8,39,800 72	4	5/8/11/2
2,12,800.00	...	15,200.00	1,97,600.00	54,243.96	12,802 86	...	67,046 82	7	5/8/11/2
31,70,300.00	31,70,300.00	6,45,677.66	1,98,143 89	...	8,43,821 55	4	3/6/9/12
14,88,620.00	...	1,21,520.00	13,67,100.00	4,14,765.79	89,501 40	...	5,04,267 19	29	5-8-11-2
49,61,651.00	...	5,51,299.00	44,10,392.00	9,79,083.20	2,56,175 04	...	12,75,258 24	5	6/9/12/3
20,15,400.00	...	1,00,770.00	19,14,630.00	4,31,235.26	1,22,764 61	...	5,53,999 87	28	6/9/12/3
2,32,400.00	...	16,600.00	2,15,800.00	53,606.84	3,990 60	...	67,597 44	10	5/8/22/2
19,42,480.00	...	1,56,630.00	17,85,850.00	3,62,530.52	1,16,294 71	...	4,78,825 23	12	9/12/3/6
3,74,850.00	...	22,000.00	3,52,850.00	93,819.53	22,234 41	...	1,16,053 94	5	4/7/10/1
7,43,650.00	...	53,120.00	6,90,530.00	1,64,739.45	45,045 13	...	2,09,784 58	23	11/2/5/8
4,20,426.00	...	32,536.00	3,87,890.00	95,921.30	25,463 21	...	1,21,384 51	5	4/7/10/1
7,09,800.00	...	54,600.00	6,55,200.00	1,55,474.97	42,504 01	...	1,98,368 98	12	6/9/12/3
10,37,000.00	...	68,000.00	9,69,000.00	1,31,394.13	62,183 92	...	1,93,578 05	3	7-10/1/4
2,73,000.00	...	21,000.00	2,52,000.00	61,814.28	16,418 83	...	78,233 11	2	5/8/11/2
5,87,600.00	...	45,200.00	5,42,400.00	1,29,499.65	35,309 93	...	1,64,809 58	10	5/8/11/2
3,10,600.00	...	20,700.00	2,90,900.00	56,754.28	18,729 60	...	75,483 88	4	2/5/8/11
9,02,110.00	...	61,100.00	8,40,950.00	1,59,079.09	54,028 17	...	2,13,107 26	3	1/4/7/10
7,36,910.00	...	49,960.00	6,86,950.00	1,30,361.36	44,142 75	...	1,74,504 11	5	1/4/7/10
13,99,700.00	13,99,700.00	2,15,695.36	87,481 31	...	3,03,176 67	17	3/6/9/12
10,63,000.00	...	83,690.00	9,79,310.00	1,64,391.97	65,101 64	...	2,29,493 61	11	3/6/9/12
2,92,050.00	...	19,800.00	2,72,250.00	50,469.68	18,041 57	...	68,511 25	17	3/6/9/12
5,06,000.00	5,06,000.00	70,307.18	31,605 02	...	1,01,932 20	10	3/6/9/12
5,68,000.00	...	17,750.00	5,50,250.00	73,718.47	35,360 21	...	1,09,078 68	30	4/7/10/2
2,95,630.00	...	20,760.00	2,74,870.00	48,542.15	16,784 42	...	65,326 57	5	5/9/12/3
10,57,140.00	...	67,120.00	9,90,020.00	1,65,940.63	63,729 53	...	2,27,670 16	21	5/8/11/2
4,76,000.00	...	34,000.00	4,42,000.00	77,656.24	28,946 58	...	1,06,602 82	last day	6/9/12/3
10,83,000.00	...	33,900.00	10,49,100.00	1,34,503.49	56,995 55	...	2,01,499 04	28	7/10/1/4
13,50,000.00	...	1,00,000.00	12,50,000.00	2,47,410.69	81,288 51	...	3,28,699 25	1	5/8/11/2
5,43,180.00	...	25,473.00	5,17,707.00	69,774.41	32,983 09	...	1,02,757 50	...	...
5,64,000.00	...	37,600.00	5,26,400.00	86,509.02	34,287 47	...	1,20,756 49	2	3/6/9/12
11,58,800.00	...	88,800.00	11,10,000.00	2,11,087.91	72,807 35	...	2,83,895 27	9	6/9/12/3
9,85,320.00	...	15,640.00	9,69,680.00	1,61,983.72	61,285 27	...	2,23,268 99	10	6/9/12/3
12,13,630.00	...	61,710.00	11,51,920.00	1,89,950.70	74,444 48	...	2,64,395 18	23	2/5/8/11
33,67,000.00	7,28,000.00	64,500.00	40,30,470.00	4,61,809.74	2,50,521 33	...	7,12,731 07	17	9/12/3/6
19,66,400.00	19,66,400.00	59,278 24	1,27,009 00	...	1,82,178 24	...	...
2,82,000.00	...	18,800.00	2,63,200.00	37,582.89	16,946 55	...	54,529 44	18	4/7/10/2
15,12,500.00	...	1,10,000.00	14,02,500.00	2,49,453.02	90,712 37	...	3,40,165 39	26	1/4/7/10
4,18,000.00	...	30,400.00	3,87,600.00	69,894.26	24,905 68	...	94,889 94	13	4/7/10/17
4,50,900.00	...	22,545.00	4,28,355.00	64,618.38	27,509 53	...	92,127 91	...	...
6,48,26,667.00	7,28,000.00	38,36,747.00	5,17,17,920.00	1,00,02,128.26	39,68,452.26	...	1,99,70,530.54		

APPENDIX

Statement showing position of Housing Loans granted to the Co-operative Housing Societies
(Under Section 354V3(3) of the Bombay

Seri- No.	Name of the Co-operative Housing Society	No. of members	Govt. Regn. No. BOM/HSC	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31.3.1981
					Improvement Committed Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
				Rs.			Rs.
	Total—Brought over	2,708		7,68,78,700			7,57,25,770
60	Malad Swami Prasad	47	4643/75	13,37,200	24	7-6-1977	8,69,180
71	Curushya, Mulund (East)	10	4981/76	3,70,400	22	7-6-1977	2,40,760
72	Sun Rock Municipal, Danda	11	5115/77	5,20,400	285	16-8-1977	5,20,400
73	Om Satlaj, Irla	12	4971/76	4,55,200	343	4-10-1977	4,55,200
74	Mulund Mrugarchana, Mulund	37	4806/76	10,84,800	18	7-6-1977	10,84,800
75	Shagufa Municipal Employees, Ambivali	55	5102/77	15,06,700	250	9-8-1977	15,05,700
76	Marg Deep, Chakala	10	4749/76	3,19,260	523	8-2-1977	95,775
77	Kilbil, Mulund	13	4809/76	5,16,000	243	9-8-1977	5,16,000
78	Bhagya Yog, Borivali	24	5080/77	7,00,000	242	9-8-1977	7,00,000
79	Borivali Janakalyan	84	4989/76	20,27,500	235	9-8-1977	20,27,500
80	Mulund Kalindi	11	4984/76	2,95,800	248	9-8-1977	2,95,800
81	Radha Kishin Niwas, Santacruz (West)	19	3915/73	8,56,300	438	6-12-1977	8,56,300
82	Municipal Employees' Akanksha	16	4996/76	4,82,000	617	30-3-1977	4,82,000
83	Mulund Mandar	23	4962/76	6,71,100	224	9-8-1977	6,71,100
84	Jai Kadanbari Mulund	12	4988/76	3,37,200	199 255	20-7-1979 9-8-1977	3,37,200
85	Ankur Palace Borivli	24	5161/27	8,08,000	406	30-11-1977	8,08,000
86	Zelam Cadal Road	20	4794/76	5,30,800	259	9-8-1977	5,30,800
87	Laxmi Kameshwari	45	4577/75	13,76,000	652	14-3-1977	13,76,000
88	M.C.C.B. Sujata Mulund	23	5020/76	2,00,000 6,81,600	559 405	16-1-1980 30-11-1977	2,00,000 6,81,600
89	Kshirsudha	12	4469/76	3,63,600	51	12-7-1977	3,36,600
90	Jai Ambika	10	5311/78	2,48,800	122	27-6-1978	2,48,800
91	Kajal Kiran Mulund	37	5370/78	12,44,400	103	27-6-1978	12,44,400
92	Municipal Employees Hina Kutir Borivli	39	5152/77	9,54,600	518	17-1-1978	9,54,600
93	Municipal Staff Sahjivan Mulund	12	5109/77	4,46,000	50	12-7-1977	4,46,000
94	M.C.C.B. Malhar	14	5008/76	4,50,800	305	30-8-1977	4,50,800
95	Municipal Employees Prem. Andheri	78	5293/78	21,10,700	99	27-6-1978	20,17,755
96	Municipal Employees Tara Rani	32	5031/78	8,32,000	111	27-6-1978	8,32,000
97	Jogeshwari Santoshimata	40	5078/77	2,40,000 12,46,500	671 457	27-2-1980 6-12-1977	2,40,000 12,46,500
98	Municipal Employees Awantika	48	5060/77	16,48,000	102	27-6-1978	16,48,000
99	Icevctesth Niwas	11	5308/78	2,81,300 2,80,800	168 386	15-7-1980 19-9-1978	2,81,300 2,80,800
100	Sea Lord	12	5252/78	4,59,300	488	12-10-1978	4,59,300
101	Municipal Employees Neelara	26	4334/78	11,85,900	121	27-6-1978	11,25,900
102	Devdatta	40	5263/77	7,36,000	351	8-9-1978	7,00,400
103	Andheri Anuchaya	17	5352/78	7,11,800	110	27-6-1978	7,11,800
	TOTAL	3632		10,53,95,530			10,32,05,840

No. 58—Contd.

of the Municipal Employees as on 31st March 1981

Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 31-4-1980	Amount of Loan paid during 1980-81	Less : Loan Amount repaid during 1980-81	Loan Balance outstanding as on 31-3-1981	Interest outstanding as on 1-4-1980	Interest Accrued during 1980-81	Less : Interest recovered during 1980-81	Interest outstanding as on 31-3-1981		
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	10	
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Date	Month
6,48,25,667.00	7,28,000.00	38,36,747.00	6,17,17,200.00	1,60,02,128.28	39,68,452.26	...	1,97,70,580.54		
8,69,180.00	8,69,180.00	67,558 40	54,323.78	...	1,21,882.18	...	...
2,40,760.00	...	7,640.00	2,33,120.00	34,455 46	14,987.28	...	49,442.74	...	...
4,79,670.00	...	40,650.00	4,39,020.00	74,261 09	28,812.78	...	1,03,073.87	8	11/2/3/8
4,33,100.00	...	28,490.00	4,04,700.00	54,886 84	26,212.86	...	81,099.70	22	8/11/2/5
10,84,800.00	10,84,800.00	95,412 30	67,800.04	...	1,63,212.34	...	..
13,88,300.00	...	71,040.00	13,17,260.00	1,84,382 33	85,430.71	...	2,69,813.04	21	1/4/7/10
95,775.00	95,775.00	13,382 27	5,985.94	...	19,368.21	...	...
5,16,000.00	...	16,280.00	4,99,720.00	52,496 83	32,065.67	...	84,562.50	...	...
6,12,080.00	...	43,720.00	5,69,360.00	89,299 84	36,912.09	...	1,26,211.93	9	5/8/11/2
18,37,440.00	...	1,26,720.00	17,10,720.00	2,44,822 91	1,11,634.09	...	3,56,457.00	29	9/12/3/6
2,81,820.00	...	18,480.00	2,63,340.00	36,012 71	17,170.72	...	53,183.43	28	9/12/3/6
7,78,025.00	...	69,415.00	7,09,610.00	1,05,037 51	47,538.90	...	1,52,576.41	14	6/9/12/3
4,20,000.00	...	90,000.00	3,90,000.00	57,862 31	25,478.17	...	83,340.48	18	6/9/12/3
6,60,555.00	...	41,940.00	6,18,615.00	69,669.96	39,850.19	...	1,09,520.15	19	1/4/7/10
3,15,600.00	...	21,040.00	2,94,560.00	38,171.45	19,166.56	...	57,338.01	13	6/9/12/3
7,19,625.00	...	50,500.00	6,69,125.00	91,332.39	43,458.97	...	1,34,791.36	10	8/11/2/5
5,05,690.00	...	33,160.00	4,72,530.00	49,165.73	30,609.01	...	79,774.74	10	8/11/2/5
13,76,000.00	2,00,000.00	...	15,76,000.00	1,03,494.58	96,068.55	...	1,99,563.13	...	...
6,49,650.00	...	42,600.00	6,07,050.00	67,530.13	39,240.88	...	1,05,771.01	30	4/7/10/1
2,36,340.00	1,27,260.00	...	3,63,600.00	17,712.46	22,441.72	...	40,154.18	...	...
2,20,400.00	...	15,200.00	2,05,200.00	24,170.05	13,272.01	...	37,442.06	5	11/2/5/8
11,66,400.00	...	77,760.00	10,88,640.00	1,06,047.35	71,075.86	...	1,77,123.21	27	6/9/12/3
8,65,190.00	...	59,500.00	8,05,690.00	95,880.67	52,018.89	...	1,47,899.56	27	10/1/4/7
4,10,640.00	...	27,840.00	3,82,800.00	39,824.66	24,667.89	...	64,432.55	7	1/4/7/10
4,15,360.00	39,200.00	28,860.00	4,25,700.00	38,918.55	25,469.01	...	64,327.56	25	1/4/7/10
18,27,000.00	...	1,26,000.00	17,01,000.00	1,87,156.34	1,10,864.55	...	2,98,021.29	14	12/3/6/9
8,32,000.00	2,40,000.00	50,250.00	10,21,750.00	49,813.17	63,137.74	...	1,12,950.91	...	...
12,46,500.00	...	58,525.00	11,87,975.00	66,561.86	76,589.82	...	1,43,151.68	...	...
16,48,000.00	2,81,300.00	...	19,29,300.00	1,02,351.02	1,08,539.35	...	210,890.37	...	...
2,80,800.00	2,80,800.00	16,095 52	17,550.00	...	33,645.52	...	...
4,59,300.00	...	21,625.00	4,37,675.00	29,543.85	24,590.91	...	54,134.76	12	8/11/2/5
10,54,170.00	...	70,320.00	9,83,850.00	84,863.37	63,652.02	...	1,48,515.39	9	4/7/10/1
6,56,600.00	...	43,800.00	6,12,800.00	44,008.63	39,933.13	...	83,941.76	22	6/9/12/3
7,11,800.00	...	44,540.00	6,67,260.00	39,435.63	42,486.31	...	81,921.94	29	4/7/10/1
9,01,21,237.00	16,15,760.00	51,02,552.00	8,66,34,445.00	1,84,73,746.45	55,47,369.06	...	2,40,21,115.51		

APPENDIX

Statement showing position of Housing Loans granted to the Co-operative Housing Societies

(Under Section 354 WB(3) of the Bombay

Serial No.	Name of the Co-operative Housing Society	No. of members	Govt. Regn. No. BOM/HS	Amount of Housing Loan sanctioned	AUTHORITY		Amount the Loan released upto 31-3-1981
					Improvement Committed Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
	Brought Over	3632		Rs. 10,53,95,530			Rs. 10,32,05,840
104	Mulund Reviraj	37	5032/76	10,73,000 1,74,000	143 392	4-7-78 10-10-80	10,93,000
105	Green Shadow Santacruz (West)	10	5503/78	3,19,000	562	27-6-1978	3,19,000
106	Municipal Employees Yashoda (Mulund)	24	4428/76	9,61,700	(314 560)	1-9-1978 16-1-1980	9,61,700
107	Govandi Laxmi	19	5422/78	5,55,300	625	6-2-1978	5,55,300
108	Saikripa (Borivali)	67	4720/76	19,40,000	468	13-12-1977	19,40,000
109	Sahil (Vile Parle)	34	5478/78	16,76,900 1,49,300	685 89	13-2-1979 1-5-1980	18,26,200
110	Municipal Employees Sudhanshu (Kandiwali)	20	5203/77	5,00,800	556	8-12-1978	5,00,800
111	Goregaon Sindhur	38	4636/75	11,11,100	575	9-1-1979	11,11,100
112	Gilbird (Andheri)	48	5375/78	18,95,700	86	27-4-1979	12,32,205
113	Ureka (Deonar)	21	4759/76	6,36,700	194	20-7-1979	6,36,700
114	Om Budhi (Andheri)	28	5266/77	11,11,500 5,68,500	116 97	27-6-1978 7-5-1980	11,11,500 5,68,500
115	Parwatraji (Dahisar)	16	4782/76	3,86,800	113	10-7-1979	3,86,800
116	Municipal Employees Chinmay (Malad)	15	5594/78	5,55,700	136	10-7-1979	5,55,00
117	Jai Om Shri Narayan	34	4726/74	11,27,300	125	10-7-1979	11,27,300
118	Municipal Staff Madhukunj (Borivali)	90	5734/79	24,55,500	235	14-8-1979	15,96,075
119	Baba (Andheri)	71	5599/78	21,56,500	132	10-7-1979	19,60,875
120	Dhyenadhara (Malad)	15	5108/77	4,12,800	792	27-3-1979	2,68,320
121	Diyaprakash Andheri (West)	26	5199/77	10,64,900	137	10-7-1979	6,92,185
122	Municipal Employees Aruracharu Goregaon	68	4762/76	22,16,900	511	28-11-1979	13,30,140
123	Alka Chunabhatti	33	5547/78	10,60,700	510	28-11-1979	6,40,020
124	Municipal Employees Shweta	13	5740/79	5,57,100	139	10-7-1979	5,57,100
125	Quest Chembur	18	4942/76	4,89,600	100	27-6-1978	1,46,880
126	Datruva Naigaun (Dadar)	20	4216/74	6,42,200	563	16-1-1980	5,77,980
		4397	...	13,11,95,030			12,49,01,220

No. 58 (Contd.)

of the Municipal Employees as on 31st March 1981.

Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENT
Loan Balance amounting as on 1-4-1980	Amount of Loan paid during 1980-81	Less: Loan Amount repaid during 1980-81	Loan Balance outstanding as on 31-3-1981	Interest outstanding as on 1-4-1980	Interest Accrued during 1980-81	Less: Interest recovered during 1980-81	Interest outstanding as on 31-3-1981 †	
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	10
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	
9,01,21,237.00	16,15,760.00	51,02,552.00	8,66,34,445.00	1,84,73,746.45	55,03,909.12	...	2,39,77,655.57	
6,97,450.00	3,75,550.00	...	10,73,000.00	41,799.25	62,368.16	...	104,167.41	
2,07,350.00	1,11,650.00	...	3,19,000.00	8,392.86	14,278.52	...	22,671.38	
9,61,700.00	...	45,114.00	9,16,586.00	37,007.61	58,980.45	...	95,988.06	
3,60,945.00	1,94,355.00	...	5,55,300.00	12,256.53	29,847.39	...	42,103.92	
19,40,000.00	...	1,22,000.00	18,18,000.00	84,077.79	1,16,562.76	...	200,640.55	
16,76,900.00	1,49,300.00	28,810.00	17,97,380.00	64,233.34	1,07,976.38	...	1,72,209.72	
4,75,800.00	...	31,200.00	4,44,600.00	25,937.50	28,828.98	...	54,766.48	
3,33,330.00	7,77,770.00	...	1,11,100.00	17,066.05	49,599.98	...	66,666.03	
5,68,710.00	6,63,495.00	...	12,32,205.00	22,203.07	42,815.57	...	65,018.64	
4,13,855.00	2,22,845.00	...	6,36,700.00	11,878.16	37,084.52	...	48,962.68	
11,11,500.00	5,68,500.00	...	16,80,000.00	43,955.66	93,153.45	...	1,37,109.11	
3,86,800.00	...	...	3,86,800.00	8,279.11	24,175.01	...	32,454.12	
3,61,205.00	1,94,495.00	...	5,55,700.00	7,707.30	26,371.97	...	34,079.27	
7,32,745.00	3,94,555.00	...	11,27,300.00	18,202.81	56,538.76	...	74,741.57	
15,96,075.00	...	...	15,96,075.00	54,660.14	99,754.75	...	1,54,414.89	
19,30,194.00	1,95,625.00	1,29,259.00	19,96,560.00	51,419.09	1,26,577.21	...	1,77,796.30	
1,23,840.00	1,44,480.00	...	2,68,320.00	2,905.15	14,370.25	...	17,275.40	
3,19,470.00	3,72,715.00	...	6,92,185.00	4,978.04	38,730.29	...	43,708.33	
6,65,070.00	6,65,070.00	...	13,30,140.00	10,249.37	44,859.47	...	55,118.84	
6,40,020.00	...	...	6,40,020.00	8,986.58	40,091.27	...	48,987.85	
1,67,130.00	3,89,970.00	...	5,57,100.00	2,232.21	21,029.58	...	23,261.79	
1,46,880.00	...	...	1,46,880.00	1,836.00	9,180.00	...	11,016.00	
1,92,660.00	3,85,320.00	...	5,77,980.00	1,055.67	23,257.76	...	24,313.43	
10 61,30,866.00	74,21,455.00	54,58,935.00	10,70,93,376.00	1,90,15,065.74	66,70,061.60	...	2,56,85,127.34	

**Statement showing position of Housing Loans granted to the Co-operative Housing Societies
Under Section 354 WB3 of the Bombay**

Serial No.	Name of the Co-operative Housing Society	No. of members	Govt. Regrn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1981
					Improvement Committed Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
		4397	...	13,11,950.30			12,49,012.20
127	Smitanjali (Boriwali)	32	...	16,76,000.00	753	11-3-1980	10,05,600.00
128	Kandivali Priyadarshani (II)	13	...	4,25,200.00	631	5-2-1980	1,27,560.00
129	Prajkata Boriwali	24	...	12,70,600.00	246	6-8-1980	7,62,360.00
130	Sukhakarta (Parle)	10	...	3,58,900.00	394	4-10-1978	1,97,670.00
131	Sweet Seven	24	...	8,59,000.00	641	5-2-1980	8,25,780.00
132	Shivranjani (Sion)	35	...	16,40,700.00	138	10-7-1979	4,92,210.00
	Total	4,535	...	13,74,25,430	...	...	12,82,22,400

Div-I

† Interest at 6½ percent annum on Loan is recoverable in 32 quarterly equated instalment after 16 years i.e. after the complete repayment of Principal amount of the Loan by first 64 quarterly equated instalments.

N.B.—the above loans have been granted to the co-operative Housing Societies Sponsored by Municipal Employees etc. as per the condition laid down the Improvement Committee Resolution Nos. 455 to 12-1-1971 No 403 to 22-10-72 and 323 of 4-9-79.

No. 58—(Contd).

of the Municipal Employees as on 31st March 1981

Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATE REPAYMENTS	
Loan balance outstanding as on 1-4-1980	Amount of Loan paid during 1980-81	Less - Loan Amount repaid during 1980-81	Loan Balance outstanding as on 31-3-1981	Int rest outstanding as on 1-4-1980	Interest Accrued during 1980-81	Less- Interest recovered during 1980-81	Interest outstanding as on 31-3-1981 †	10	
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)		
10,61,30,866.00	74,21,455.00	54,58,535.00	10,80,93,86.00	1,50,15,065.74	66,70,061.60	...	2,56,85,127.34	...	...
...	10,05,600.00	...	10,05,600.00	...	47,783.24	...	47,783.24	...	...
...	1,27,560.00	...	1,27,560.00	...	7,972.50	...	7,972.50	...	...
...	7,62,360.00	...	7,62,360.00	...	31,525.68	...	31,525.68	...	...
...	1,07,670.00	...	1,07,670.00	...	6,729.37	...	6,729.37	...	...
...	8,25,780.00	...	8,25,780.00	...	51,611.28	...	51,611.28	...	...
...	4,92,210.00	...	4,92,210.00	...	29,956.62	...	29,956.62	...	...
10,61,30,866.00	1,07,42,635.00	54,58,935.00	11,14,14,566.00	1,50,15,065.74	68,45,640.29	...	2,58,60,706.03	...	...

Div.—I

Debt—Reconciliations:—

As per Abstract	...	Rs. 1,06,16,507.00
Add: Debits raised during 1979-80, but payments released during 1980-81	...	1,27,260.00
		<u>1,07,43,767.00</u>
Less: Debit raised by Hali Alhcoop non Society Ltd.	...	—1,132.00
As per column No. 8(B)	1,07,42,635.00	...
		<u>1,07,42,635.00</u>

APPENDIX No. 59

EDUCATION FUND

Revenue Account for the year ended 31st March 1981.

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure ...	26,89,49,298	83	By Revenue Receipts ...	27,97,80,695	13
To Surplus during the year ...	1,08,31,396	30			
Total ...	27,97,80,695	13	Total ...	27,97,80,695	13
To Revenue Expenditure to be incurred in 1981-82 and provided for as Renewed Grants...	2,00,00,000	00	By Surplus Revenue Fund as at 1st April 1980 ...	34,22,114	25
			By Revenue of previous years reserved for the year 1979-80 ...	3,07,00,000	00
To Balance being Surplus Revenue Fund as at 31st March 1981 ...	2,49,53,510	55		1,08,31,396	30
Total ...	4,49,53,510	55	Total ...	4,49,53,510	55

Div.—I

APPENDIX No. 62

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1981.

Liabilities.			Assets		
	Rs.	P.		Rs.	P.
Due on Cheques Payable ...	38,07,225	34	Cash at Bank Rs. —20,69,022 02 Cash in Office Rs. 3,37,412 05	Cr.17,31,609 97	
Due on Outstanding Charges on account of Interest Accrued but Not Paid (Appendix—69) ...	28,78,013	47	Education Loan Interest Warrants Payable Account.	2,599 50	
Unclaimed Dues & Deposits (Refundable) Account (Appendix—67) ...	5,20,754	70	Advances—Recoverable Municipal Officers Rs. 5,34,756 72 Sundries—Miscellaneous advances Rs 1,94,87,516 47 (Appendix—67)	2,00,22,273 19	
Deposits in Cash and Public Securities from Contractors and Private Parties (Appendix—68) ...	1,59,34,571	19	Deposits— In Securities ... Rs. 25,000 00 In Office	25,000 00	
Interest on Loans Payable A/c. ...	53,478	00	Amount held in Budget 'A' Div.—I ..	4,65,33,643 79	
Endowment Fund (Appendix—71) ...	4,84,200	64	Investments— Endowment Fund— (Appendix—71) In securities Rs. 4,75,135 45 In Fixed Deposit Rs. 9,000 00 In cash Rs. 65 19	4,84,200 64	
Due on Outstanding Charges for 1979-80 and previous year ...	2,00,00,000	00	Surplus Fund— In Securities* Rs. 31,85,100 00		
Surplus Revenue Fund (Vide Appendix No. 59) ...	2,49,53,510	55	In Call Deposit ... In Cash at Bank Rs 10,546 74	31,95,646 74	
Total ..	6,86,31,753	89	Total ..	6,86,31,753 89	

*Details of Securities held in Surplus Fund—

	Face value	Book Value
	Rs.	Rs. P.
6½% Rs. 100 lakhs B. M. D. Budget 'E' (Internal) Loan 1978-79...	31,85,100.00	31,85,100 00

Div.—I

APPENDIX No. 63

EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1981.

Liabilities		Assets		
	Rs.	P.	Rs.	P.
Loans Outstanding—			Block Account—Appendix 64	
Due to Public ...	19,86,50,000	00	Loan Funds ...	25,98,40,832 48
Trust Fund ...	694	31	Trust Fund ...	2,08,755 42
Surplus—			Investment—	
Sinking Fund ...	4,97,25,500	96	Sinking Fund—Appendix 66 and 71	
Contribution from Trust Fund ...	2,08,755	42	In Securities Rs. 4,97,25,441 23	
Contribution from Government ...	10,00,000	00	In cash at Bank Rs. 59 73	
Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans ...				4,97,25,500 96
Loan Redemption Fund Rs. 6,93,50,000.00			Trust Fund	
Less—			In Cash ...	694 31
Assets written off Rs. 2,44,495.14	6,91,05,504	86	Loan Fund	
			Amount held in Budget A Div. I	89,14,672 38
Grand Total ...	31,86,90,455	55	Grand Total...	31,86,90,455.55

APPENDIX No 64

Statement showing Capital Works Expenditure upto 31st March 1981.

Education Fund.

Capital Account	Total Capital Works Expenditure upto 31st March, 1980.	Capital Works Expenditure during 1980-81.	Total Capital Works Expenditure upto 31st March 1981.
	Rs.	Rs.	Rs.
Loan Funds.			
City Section ...	9,90,62,772 59	55,64,559 98	10,46,27,332 57
Suburban Section ...	8,19,32,335 06	71,13,822 63	8,90,46,157 69
Extended Suburban Section ...	6,02,74,967 78	58,92,374 44	6,61,67,342 22
Total-Loan Fund ...	24,12,70,075 43	1,85,70,757 05	25,98,40,832 48
Trust Fund ...	2,08,755 42	...	2,08,755 42
Grand Total ...	24,14,78,830 85	1,85,70,757 05	26,00,49,587 90

Div.—I

APPENDIX No. 64-(Contd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1981.

Serial No.	Item No. Revise Estimates 1980-81	Particulars of Capital Work	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		<u>Loan Funds</u>						
		<u>City Section</u>						
		Works completed	6,68,89,541.33		..			6,68,89,541.33
		<u>Acquisition</u>						
1	1	Acquisition of C.S. No. 882 (Part) of Lower Parel at Elphinston Road for School and Play Ground	69,970.44		..			69,970.44
2	4	Acquisition of property bearing No. S-No. 5 (Part) of Matunga Division for Municipal School and Play ground. (F/N)	4,51,147.59		..			4,51,147.59
3	15	Transfer of Government Passage at Memonwada Road at Mandvi Divn. C. S. No. 1/1310.	338.51		..			338.51
		Total—Lump sum provision for Acquisition of sites	5,21,456.54					5,21,456.54
		<u>Constructions</u>						
4	34	Construction of School Bldg. and Ward Office on Plot No. 412, 413, 414 (Part) 9697 North Dadar Matunga Estate, known as Khoja Orphanage Property. (F/N)	11,89,181.97		..			11,89,181.97
5	35	Lumpsum Provision for semi Permanent Structures in the City.	27,368.76		69.13			27,437.89
6	36	Lump sum provision for providing suction Tanks etc. in Municipal School Bldg. (All Ward)	2,11,027.28		..			2,11,027.28
7	37	Lump sum provision for construction compound walls around Municipal School Bldg. (All Ward)	5,35,360.95		35,378.04			5,70,738.99
8	38	Construction of School Bldg. on Plot No. 240 (pt.) Lower Parel Division, Low Level West Talchekarwadi. (G/S)	13,09,363.45		..			13,09,363.45
9	39	Construction of Municipal School Bldg. on C. S. No. 10 (Pt) Matunga Division behind Matunga Pumping Station at Lakamsi Napoo Road. (F/N)	7,255.74		..			7,255.74
10	40	Construction of School Building at Renuld Road (B.P.T. Land), Wadala.	4,976.59		..			4,976.59
11	41	Construction of a School Bldg. on the piece of land offered by Central Govt. in Central Govt. Colony at Sion Koliwada (F/N)	8,130.92		1,27,053.88			1,35,184.80
12	42	Construction of School Bldg. at Sahakar Nagar, Wadala (F/N)	23,78,755.45		225.50			23,78,980.95
13	43	Construction of Additional floor over Municipal School Bldg. on Plot No. 271, 272 Sion Matunga. (F/N)	4,47,474.38		..			4,47,474.38
14	44	Construction of a School Bldg. at N. M. Joshi Marg C. S. No. 1946 to 1948. (G/S)	16,83,277.10		3,302.39			16,86,579.49
15	45	Construction of a School Building at Parekhland Worli Koliwada	..		11,340.96			11,340.96
16	46	Construction of a School Bldg. at Dhorwadi, Dharavi (G/N)	36,10,830.40		..			36,10,830.40
17	48	Construction of a School Bldg. at Golanji Hill. (F/S)	34,65,595.19		3,16,196.65			37,81,791.84
18	49	Extension to Municipal School Bldg. at Mavji Rathod Road, Bombay-9. (B)	11,05,933.05		19,040.78			11,24,973.83
19	50	Construction of School Bldg. on C. S. No. 70 of Parel Sewri 70 (Pt) Currey Road Low Level. (F/S)	26,90,777.79		..			26,90,777.79
20	51	Construction of a School Bldg. on C. S. No. 108 of Parel Sewri 2/108 (Pt) 103 (1) Parel Govt. Gate Road (F/S)	15,93,341.14		13,59,004.99			29,52,346.18
21	52	Construction of a School Bldg. in the J. J. Hospital Compound. (B)	13,52,375.24		..			13,52,375.24
		Total C.F.	2,16,21,025.40		18,71,612.32			2,34,92,637.72

APPENDIX No. 64—(Contd.).

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1981.

Serial No.	Item No. as per Estimates 1980-81	Particulars of Capital Work	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	P.	Rs.	P.	Rs.	P.
		Total B. O.	2,16,21,025.40		18,71,612.32		2,34,92,637.72	
22	53	Construction of School Bldg. at Mahalaxmi Temple Compound Plot bearing C. S. No. 83 (P) of Malabar Hill Division. (D)	7,27,809.46		...		7,27,809.46	
23	54	Construction of School Bldg. at Vithal Sianna Pavalian Stable St. Kamathipura. (E)	21,92,792.64		...		21,92,792.64	
24	55	Construction of New School Bldg. at 2nd Peerkhan St. Nagpada Division. (B)	12,24,436.48		Cr. 650.00		12,23,786.48	
25	56	Construction of School Bldg. at B. D. D. Chawl No. 10, N. M. Joshi Marg, Near Sitaram Mills. (G/S)	2,45,203.41		4,58,936.45		7,04,139.86	
26	57	Construction of School Bldg. on F. P. 998 T. P. Sch. IV Mahim Kakasaheb Gadgil Marg, Khed Gully. (G/S)	11,86,377.86		18,598.94		12,04,976.80	
27	58	Lumpsum Provision for extension and additions to Municipal School Bldgs.	57,090.29		324.43		57,414.72	
28	59	Proposed School Bldg. at Sindhi Lane 'C' Ward. (C)	71,286.11		58,030.01		1,29,316.11	
29	60	Additional koor over School Bldg., near Matunga Pumping Station.	12,84,809.09		5,29,030.11		18,13,839.20	
30	62	Construction of Municipal School Bldg., near Union Hill Fort (Known as Joglekar wadi).	618.92		8,82,877.93		8,83,496.85	
31	65	Lump Sum provision for providing furniture and equipments in newly constructed Municipal Schools All	19,16,804.03		8,61,173.28		27,77,982.31	
32	66	Construction of School Building at 113, 114, S.V. Patel Road, Angrawadi.	7,660.59		562.72		8,223.31	
33	68	Extension to School Building at F. Patanwala Marg, Byculla (East)	..		472.24		472.24	
34	69	Primary School Building at 2/14 2nd Cooper Street	..		1,476.75		1,476.75	
35	70	Construction of School Bldg. near Badami Koyala Karkhana at Dharavi. (G/N)	6,180.35		971.72		7,152.07	
36	72	Construction of a new School Bldg., at 12, Belvedere Rd., Bombay.	3,163.97		..		3,163.97	
37	73	Lumpsum Provision for taking trial pits bore for testing subsal at different school plot in the city.	6,797.62		6,989.60		13,787.22	
38	74	Lump sum provision for water proofing to Municipal School Bldg. in City (All Ward)	10,83,201.40		..		10,83,201.40	
39	75	Construction of new School Building near Prabhakar Thakare Garden at Acharya Dange Marg, Sewri.	8,325.50		..		8,325.50	
40	79	New School Building at B.P.T. School Santa Cruz Estate wadi Bunder Woad Bombay No. 10 'E' Ward..	..		7,63,625.00		7,63,625.00	
41	80	Additional koor over the existing School Building at Worli Naka.	394.62		..		394.62	
42	81	Construction of additional floor over School Building at Swari Cross Woad	..		552.62		552.62	
43	84	Extension of School Building at F. P. No. 998, T.P.S. IV Kakasaheb Gadgil Marg	..		98,701.05		98,701.05	
44	85	Extension to the School Building at F/N Ward Office Building known as Khaja or phanarg's property	..		9,149.58		9,149.58	
45	87	Construction of School Building on C.S. No. 494, V.I Road, Girgaum.	7,796.98		..		7,796.98	
46	101	Construction of School Building on C.S. No. 166 Part Lower Parel Division	..		747.65		747.65	
47	105	Additional floor over School Building on plot No. 130 TPS III Mahim (Manma Tank Woad)	..		1,372.58		1,372.58	
		Total City Section (Construction)	3,16,51,774.72		55,64,559.98		3,72,16,334.70	
		Grand Total—City Section	9,90,62,772.59		55,64,559.98		10,46,27,332.57	

APPENDIX No. 64-(Contd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1981.

Serial No.	Item No Revised Estimates 1980-81	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	P.	Rs.	P.	Rs.	P.
		Loan Funds						
		Suburban Section.						
1		Works completed ..	4,11,91,294.64		..			4,11,91,294.64
		Acquisition.						
1	1	Acquisition of land bearing C. T. S. Nos. 454 etc., of Vile Parle Village, known as Irlao Tanks land at Vile Parle (West) for Municipal School, Medical College, Garden and Road. ..	3,216.66		..			3,216.66
2	3	Acquisition of land bearing S. No. 427 H. No. 5 and 10 H. S. 512 to 530 of Kole-Kalyan Village, ..	1,57,268.88		..			1,57,268.88
3	12	Acquisition of land S. No. 168/1A, 168/2A a Kanjur for School and Harijan Quarters. ..	49,984.58		..			49,984.58
4	13	Lease of four plots of Boards land at Tagore Nagar, Vikhroli to B. M. C. School. (N) ..	683.37		..			683.37
5	..	Lump-sum provision for acquisition of sites at Chembur. (M) Suburban Section. ..	Cr. 69,596.33		..			Cr. 69,596.33
6	..	Lump-sum provision for acquisition of site (Suburban Section) ..	..		2,82,403.42			2,82,403.42
7	16	Lease of plot at D. N. Nagar Andheri to B.M.C. for Primary School ..	..		1,40,455.80			1,40,455.80
8	17	Acquisition of land in S. No. 46 H. No. 66 CTS No. 144 & 145 of Kiroli Parhiwadi Ghatkopar (West) for School ..	..		1,23,230.60			1,23,230.60
9	18	Acquisition of Land B. S. D. at Village Marol bearing S. No. 145 H. No. 3 for B.M.C. School ..	..		4,54,882.70			4,54,882.70
		Total—Lump-sum provision for Acquisition of sites ..	1,41,557.16		10,00,973.52			11,42,530.68
		Construction						
10	21	Lump sum provision for providing suction Tank at Municipal School Bldg. (All Wards) ..	17,29,039.44		..			17,29,039.44
11	22	Lump sum provision for constructing compound walls around Municipal School Building. (All Wards) ..	7,19,712.33		..			7,19,712.33
12	23	Construction of a School Building at Naval Dockyard Housing Colony, Pawai, along Lal Bahadur Shastri Marg. ..	..		1,46,428.82			1,46,428.82
13	25	Construction of school bldg. on Garden plot at Bait Bazar Road, Kurla. (L) ..	9,97,551.29		..			9,97,551.29
14	26	Extension of Municipal School Bldg. at Kher Nagar, Bandra. (H, East) ..	17,34,447.52		..			17,34,447.52
15	28	Construction of School Bldg. at Pant Nagar, Ghatkopar East. (N) ..	19,86,532.37		..			19,86,532.37
16	29	Construction of School Bldg. at Kannamwar Nagar, Vikhroli (East). (N) ..	27,53,352.24		87,222.18			28,40,574.42
17	30	Primary School at Narli Agripada, 18th Road, Khar. (K/W) ..	9,75,280.52		53,691.57			10,28,972.09
18	31	Construction of School Bldg. at Bombotwadi, Mankhurd. (M) ..	8,89,968.32		..			8,89,968.32
19	32	Construction of School Bldg. on the vacant plot of Kurla Slaughter House at Kasaiwada, Kurla. (L) ..	14,83,484.51		..			14,83,484.51
20	33	Construction of a school Bldg. on Jaokar's Plot, Chuna-bhatti, Kurla. (L) ..	6,54,783.90		552.61			6,55,336.51
21	34	Construction of School Bldg. on the Plot occupied by Old Muni. Office, at Moreshwar Patankar Marg, Kurla (L) ..	14,24,975.93		20,756.25			14,45,732.18
22	35	Construction of additional 1st and 2nd floors on Municipal Gujarati School Bldg., 6th Road, T. P. S. III Santacruz. (K/W) ..	17,64,577.06		65,073.28			18,29,650.34
		Total C.F. ..	1,71,13,705.43		3,73,724.71			1,74,87,430.14

APPENDIX No. 64—(Contd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure up to 31st March 1981.

Serial No.	Item No. Revised Estimates 1980-81	Particulars of Capital Work	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total C Expend upto March
			Rs.	P.	Rs.	P.	
		Total—B. O.	1,71,13,705.43		3,73,724.71		1,74,87
23	36	Lump sum provision for S. P. Sheds in Suburban Section. (All Wards)	21,09,117.22		18,162.64		21,27
24	37	Lump sum provision for extension and addition etc. to Municipal School Bldg. (All Wards)	4,70,701.18		1,67,816.09		6,38
25	38	Primary School at Vikhroli (Park Site). (N)	29,61,957.84		52,032.92		30,14
26	39	Providing auditorium at Rajawadi School, Ghatkopar...	162.05		499.68		
27	40	Construction of primary school Bldg. at Mahatma Gandhi Road, Vile Parle (East). (K/B)	23,38,521.87		..		23,38
28	41	Construction of a school bldg. on a plot reserved by Govt. of Maharashtra for Municipal school at Anik Chembur. (M)	8,00,402.41		2,18,845.74		10,15
29	42	Provision for school at Oshivara. (K/W)	76,778.61		2,48,827.13		3,2
30	43	Construction of Muni. School at Tarun Bharat Co-op. Hsg. society at Chakala Village. (K/B)	18,47,155.69		28,969.18		18,7
31	44	Additional 2nd floor over school bldg. at Bail Bazar, Kurla. (L)	4,90,316.08		..		4,90
32	45	Proposed school Bldg. on S. No. 341 (Pt.) Bandra in Govt. Servants' Colony. (H/F)	6,99,012.44		5,28,773.75		12,2
33	46	Extension to School Bldg. at Dadabhai Lane Vile Parle (West), Sanyashram Road. (K/W)	2,23,230.73		..		2,2
34	47	Additional floor over Muni. School Bldg. at S. G. Barve Nagar, Ghatkopar	6,31,444.16		..		6,3
35	48	Additional 3-d floor over School Building Naval Dock yard Colony Vikhroli	..		420.04		
36	49	Proposed school Bldg. on land donated by Sherwala Maharaj at Jogeshwari (East). (K/East)	4,16,544.67		..		4,1
37	53	Construction of a School Bldg. in Chembur Labour Camp. (M)	15,71,171.24		23,649.86		15,9
38	54	Construction of a School Bldg. Opp. K. V. K. High School, Ghatkopar. (N)	26,97,881.00		42,572.25		27,4
39	55	Lump sum provision for providing furniture & equipments in newly constructed Muni. schools.	32,00,177.52		5,62,452.69		37,6
40	56	Construction of School Building on plot at Bandra Reclamation Scheme	..		10,683.76		1
41	59	Construction of a Primary School at Tirandaz Village, Pawai opp. I. I. T. Vikhroli	..		562.70		
42	60	Proposed extension to school Bldg. at Kherwadi, Bandra (East). (H/East)	15,15,075.82		..		15,1
43	61	Additional 3rd floor over school Bldg. at Park Site, Vikhroli. (N)	7,99,166.31		39,406.04		8,3
44	62	Construction of School Building at D. N. Nagar Andheri (West)	..		971.72		
45	63	Construction of School at Jawahar Nagar, Khar. (K/W)	1,195.64		709.25		
46	644	Construction of Municipal School at Municipal plot at Yarl Road, Versova	..		485.66		
47	66	Lump sum provision for taking trial pits and trial b' res for testing subsail at different part of work at Sub Section.	821.75		..		
48	67	Lump sum provision for water proofing treatment and Muni. School Bldg. in Suburban. (All Ward.)	3,39,729.32		15,430.12		3,4
		Total—C. F.	4,03,04,268.98		23,29,997.93		4,26,3

APPENDIX No. 4—(Contd.).

EDUCATION FUND

Block Account showing of Capital Expenditure upto 31st March 1981.

Serial No.	Item No. Revised Estimates 1980-81	Particulars (Capital Work)	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	P.	Rs.	P.	Rs.	P.
		Total B/o	4,03,04,268.98		23,29,997.93		4,26,34,266.91	
49	68	Construction of 12 class rooms at Dhanji Devshi Municipal School Ghatkopar ..			4,42,008.96		4,42,008.96	
50	71	Construction of School Building at Peddar Compound Ghatkopar (West).	845.93		11,49,278.76		11,50,124.69	
51	72	Construction of additional third floor over School Building at Vakola Santacruz (East).	668.38		82,070.70		87,739.08	
52	73	Construction of Dawood Baug Bharda Wadi, Andheri (West) ..			358.70		358.70	
53	74	Construction of School Building at Marol Village, Andheri ..			44,478.26		44,478.28	
54	75	Construction of a School Bldg., at Trombay Village. ..	1,15,320.49				1,15,320.49	
55	76	Proposed extension to the school Bldg., at Prabhat Colony Santacruz (West).	6,842.43		1,335.06		8,177.49	
56	77	Proposed construction of School Scout Guides Workshop at Powai.	1,31,357.85				1,31,357.85	
57	78	Construction of School Building at Tagor Nagar, Vikroli ..	14,350.00		1,17,105.12		1,31,455.12	
58	79	Construction of School Building at Tank land, Gundavali (Southside of Sir, M. G. Road Andheri ..			1,08,391.15		1,08,391.15	
59	80	Construction of School Building Reserved plot No. 70 at Khetwadi, Santacruz ..			501.82		501.82	
60	83	Construction of School Building on plot No. 427 and 428 Vakola Pipe in Nariaj Wadi Santacruz ..			1,189.77		1,189.77	
61	85	Construction of School Building at Parsiwadi Ghatkopar plot acquired from Mukund Staff Co-op. Housing Society ..			727.90		727.90	
62	87	Construction of School building on plot Bearing No. CTS 424, 425 at Mohiji Kurja ..			9,376.47		9,376.47	
63	88	Construction of School Building on plot handed over by Children Aid Society Mankhurd ..			9,68,488.41		9,68,488.41	
64	92	Extension to School Building in the Compound of Vakola School Santacruz ..			501.84		501.84	
65	93	Construction of School on Municipal Plot Squatter Colony, Jogeshwari (East).	25,829.20		420.04		26,249.24	
66	98	Repair to School Building at Chembu Sindhi Camp handed over by Government to the Corporation ..			8,36,744.64		8,36,744.64	
67	101	Extension of existing Primary School at Danda, Khar ..			19,873.56		19,873.56	
		Total—Suburban Section (Constructions) ..	4,05,99,483.26		61,12,849.11		4,67,12,332.37	
		Grand Total—Suburban Section ..	8,19,32,335.06		71,13,822.63		8,90,46,157.69	

APPENDIX No. 64-(Contd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1981.

Serial No.	Item No. Revised Estimates 1980-81	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		Loan Funds						
		Extended Suburban Section						
		Works Completed	2,81,46,690.74		..			2,81,46,690.74
		Acquisition						
1	1	Acquisition of G. V. Scheme plot in the Mulund (East), for school and play ground plot Nos. 18, 19, & 30, 31 (N)	2,23,758.70		..			2,23,758.70
2	8	Acquisition of land bearing S. No. 31. (pt.) 32 (pt.) of Dahisar (East) for Municipal School and Play ground ..	13,798.26		..			13,798.26
3	14	Acquisition of land bearing C. T. S. No. 1786 (pt.) of Mulund Village for the Purchase of Play-ground at S. L. Rd., Mulund. ..	53,046.67		..			53,046.67
..	..	Lump sum provision for acquisition at site (Ext.-Sub.) ..	..		10,67,633.85			10,67,633.85
		Total—Lump-sum provision for Acquisition of sites ..	2,90,603.63		10,67,633.85			13,58,237.48
		Constructions						
4	22	Lump sum provision for semi permanent structures in the Extended Suburbs. (All Wards) ..	13,70,359.19		..			13,70,359.19
5	24	Lump sum provision for constructing compound walls around Muni. School Bldg. (All Wards) ..	6,80,959.70		3,944.33			6,84,904.03
6	25	Construction of School Bldg. at Rajda Nagar, Borivali. (R)	21,34,831.03		1,326.31			21,36,157.34
7	26	Construction of School Bldg. at Kasturba Cross Road Final Plot No. 48 & 50 at T. P. S. S. V. Road, Borivli (East). (R)	28,63,358.91		..			28,63,358.91
8	27	Construction of a Municipal School Bldg. at Kanjur Village. (N)	6,70,185.03		..			6,70,185.03
9	28	Construction of a School Bldg. on Mhatre Plot Quarry Road, Malad. (P)	23,12,474.82		1,89,429.50			25,01,904.32
10	29	Construction of a School Bldg. for Primary School at Datey's Plot, Nathubhai Laxmanji Road, Malad (West). (P)	23,01,116.00		..			23,01,116.00
11	30	Extension of a School Building at Pahadi Village Goregaon (East). (P)	22,44,806.43		93,038.21			23,37,844.64
12	31	Extension of School Bldg. at Mitha Nagar Goregaon (West). (P)	18,11,277.38		5,62,816.90			23,74,094.28
13	32	Construction of a School Bldg. at Sodawala Lane, Borivli. (R)	27,01,987.38		..			27,01,987.38
14	33	Construction of School Bldg. at Purshottam Khemraj Road, Mulund (West) (T)	20,71,754.13		1,42,550.23			22,14,304.36
15	34	Conversion of Katcha Structures into a permanent pucca structures at Uday Muni. School at Check Naka, Mulund. (T)	21,22,644.06		2,90,742.52			24,13,386.58
16	36	Construction of a School Bldg. at S. No. 99 (Part) Malvani. (P)	588.22		..			588.22
17	37	Construction of Mulund Colony School and play Ground at S. No. 165, Mulund. (T)	15,91,284.51		90,113.17			16,81,397.68
18	38	Construction of additional floor over the existing Muni. School Building at S.L. Road, Mulund (West). (T) ..	6,56,726.16		1,04,453.74			7,61,179.90
19	40	Proposed school Bldg. at Rajendra Nagar Borivali (R) ..	8,18,463.03		10,08,624.48			18,27,087.51
20	42	Lumpsum Provision for extension and addition to the Municipal School Building.	71,483.04		..			71,483.04
21	43	Construction of a School Bldg. at Bharucha Road, Dahisar. (R)	19,56,201.12		59,115.85			20,15,316.97
22	44	Lumpsum provision for providing furniture equipment newly constructed Muni. Schools. (All Wards) ..	31,96,687.74		5,37,358.86			37,34,046.60
		Total C/F ..	3,15,77,187.88		30,83,514.10			3,46,60,701.98

APPENDIX No. 64—(Concl'd)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1981.

Serial No.	Item No. Revised Estimate. 1980-81	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1980		Capital Expenditure during 1980-81		Total Capital Expenditure upto 31st March 1981	
			Rs.	P.	Rs.	P.	Rs.	P.
		Total B. O.	3,15,77,187.88		30,83,514.10		3,46,60,701.98	
23	45	Reconstruction of the existing School Building at Lalji Trikamji School by a Multistoried Building at S.V. Road, Borivali.	3,784.85		..		3,784.85	
24	46	Construction of School Bldg. of Talepakhadi (Borivali) (R)	1,225.17		16,99,644.72		17,00,869.89	
25	48	Lumpsum provision for water proofing treatment to Muni. Schools Bldg. in Extended Suburbs. (All Wards)	2,44,945.17		4,901.94		2,49,847.11	
26	50	Construction of New School Building on the open plot by the side of existing School Building at Kanya Shala ground Malad (West)	..		535.05		535.05	
27	51	Construction of Compound Wall along boundary to project the plot from tank water encroachment of the outsiders at Municipal Scout Camp Rambaug Pawai	..		2,531.03		2,531.03	
28	53	Construction of School Building at S. No. 54 H No. 1 (Part) of Malad Village, Goreswadi, Lala Lajpatrai Road, Kandiwali (West)	10,392.02		720.11		11,112.13	
29	56	Construction of School Bldg., at Paspoli	138.32		..		138.32	
30	62	Construction of School Building in the Kasturba Road Kasturba Cross Road, No. 1 Borivali	..		535.05		535.05	
31	66	Construction of stage including filling of plot at Ratanbai School Mulund (West)	..		639.28		639.28	
32	70	Expansion on the rear side at Akuli Road, Kandivli	..		22,129.07		22,129.07	
33	72	Extension to School Building at Motilal Nagar, Gote-gaon (West)	..		4,465.61		4,465.61	
34	73	Extension and addition to the existing School Building at Dattapada Road, Borivali Estate	..		5,124.63		5,124.63	
		Total—Extended Suburban Section (Constructions)	3,18,37,673.41		48,24,740.59		3,66,62,414.00	
		Grand Total—Extended Suburban Section	6,02,74,967.78		58,92,374.44		6,61,67,342.22	

APPENDIX No. 68
EDUCATION FUND

Statement showing outstanding Loans due by the Bombay Municipal Corporation the Interest outstanding on 1st April 1980 on the different Loans, the amount payable for the year 1980-81, the amount paid by the State Bank of India during that year and the balances outstanding on 31st March 1981.

Particulars of Loans.	Rate of Interest percent. p.a.	Balance due on 1-4-1980	Amount raised in 1980-81	Total	Amount repaid in 1980-81	Balance due on 31st March 1981	Interest outstanding on 1-4-1980	Interest payable in 1980-81	Total Interest due	Deduct Interest paid by the State Bank of India and in Office.	Interest Outstanding as on 31st March 1981.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Loans from Public											
(1) Rs. 27.5 Lakhs Loan (1968-69)	6	27,50,000	...	27,50,000	27,50,000	...	27,057.00	1,65,000.00	1,92,057.00	1,92,057.00	...
(2) Rs. 27.5 Lakhs Loan (1969-70)	6	27,50,000	...	27,50,000	...	27,50,000	2,969.00	1,65,000.00	1,67,969.00	1,67,369.00	600.00
(3) Rs. 16.5 Lakhs Loan (1970-71) (1st issue)	6	16,50,000	...	16,50,000	...	16,50,000	1,860.00	99,000.00	1,00,860.00	1,00,860.00	...
(4) Rs. 16.5 Lakhs Loan (1970-71) (2nd issue)	6	16,50,000	...	16,50,000	...	16,50,000	...	99,000.00	99,000.00	99,000.00	...
(5) Rs. 33 Lakhs Loan (1971-72)	6	33,00,000	...	33,00,000	...	33,00,000	...	1,98,000.00	1,98,000.00	1,98,000.00	...
(6) Rs. 82.5 Lakhs Loan (1972-73)	6	82,50,000	...	82,50,000	...	82,50,000	5,835.00	4,95,000.00	5,00,835.00	4,97,895.00	2,940.00
(7) Rs. 110 Lakhs Loan (1973-74)	6	1,10,00,000	...	1,10,00,000	...	1,10,00,000	...	6,60,000.00	6,60,000.00	6,60,000.00	...
(8) Rs. 110 Lakhs Loan (1974-75)	6½	1,10,00,000	...	1,10,00,000	...	1,10,00,000	...	6,87,500.00	6,87,500.00	6,87,500.00	...
(9) Rs. 55 Lakhs Loan (1975-76)	6½	55,00,000	...	55,00,000	...	55,00,000	1,01,312.50	3,43,750.00	4,45,062.50	3,96,906.25	48,156.25
(10) Rs. 55 Lakhs Loan (1976-77)	6½	55,00,000	...	55,00,000	...	55,00,000	8,406.82	3,43,750.00	3,52,156.82	3,50,374.89	1,781.75
(11) Rs. 220 Lakhs Loan (1977-78)	6½	2,20,00,000	...	2,20,00,000	...	2,20,00,000	...	13,75,000.00	13,75,000.00	13,75,000.00	...
(12) Rs. 253 Lakhs Loan (1978-79)	6½	2,53,00,000	...	2,53,00,000	...	2,53,00,000	6,500.00	16,44,500.00	16,51,000.00	16,51,000.00	...
(13) Rs. 275 Lakhs Loan (1979-80)	6½	2,75,00,000	...	2,75,00,000	...	2,75,00,000	...	18,56,250.00	18,56,250.00	18,56,250.00	...
(14) Rs. 55 Lakhs Loan (1980-81)	7	...	55,00,000	55,00,000	...	55,00,000	...	...	...	...	...
Total Loans from Public		12,81,50,000	55,00,000	13,36,50,000	27,50,000	13,09,00,000	1,53,940.32	81,31,750.00	82,85,650.32	82,32,212.14	53,478.00 0.18*
Loans from Internal Funds											
(14) Rs. 10 Lakhs Loan (1960-61)	4½	10,00,000	...	10,00,000	...	10,00,000	...	42,500.00	42,500.00	42,500.00	...
(15) Rs. 10 Lakhs Loan (1961-62)	4½	10,00,000	...	10,00,000	...	10,00,000	...	42,500.00	42,500.00	42,500.00	...
(16) Rs. 25 Lakhs Loan (1962-63)	4½	25,00,000	...	25,00,000	...	25,00,000	...	1,12,500.00	1,12,500.00	1,12,500.00	...
(17) Rs. 12.5 Lakhs Loan (1963-64)	4½	12,50,000	...	12,50,000	...	12,50,000	...	59,375.00	59,375.00	59,375.00	...
(18) Rs. 25 Lakhs Loan (1966-67)	6	25,00,000	...	25,00,000	...	25,00,000	...	1,50,000.00	1,50,000.00	1,50,000.00	...
(19) Rs. 25 Lakhs Loan (1967-68)	6	25,00,000	...	25,00,000	...	25,00,000	...	1,50,000.00	1,50,000.00	1,50,000.00	...
(20) Rs. 20 Lakhs Loan (1968-69)	6	20,00,000	...	20,00,000	...	20,00,000	...	1,20,000.00	1,20,000.00	1,20,000.00	...
(21) Rs. 20 Lakhs Loan (1971-72)	6	20,00,000	...	20,00,000	...	20,00,000	...	1,20,000.00	1,20,000.00	1,20,000.00	...
(22) Rs. 100 Lakhs Loan (1972-73)	6	1,00,00,000	...	1,00,00,000	...	1,00,00,000	...	6,00,000.00	6,00,000.00	6,00,000.00	...
(23) Rs. 50 Lakhs Loan (1974-75)	6½	50,00,000	...	50,00,000	...	50,00,000	...	3,12,500.00	3,12,500.00	3,12,500.00	...
(24) Rs. 50 Lakhs Loan (1975-76)	6½	50,00,000	...	50,00,000	...	50,00,000	...	3,12,500.00	3,12,500.00	3,12,500.00	...
(25) Rs. 150 Lakhs Loan (1976-77)	6½	1,50,00,000	...	1,50,00,000	...	1,50,00,000	...	9,37,500.00	9,37,500.00	9,37,500.00	...
(26) Rs. 50 Lakhs Loan (1976-77)	6½	50,00,000	...	50,00,000	...	50,00,000	...	3,12,500.00	3,12,500.00	3,12,500.00	...
(27) Rs. 30 Lakhs Loan (1977-78)	7½	30,00,000	...	30,00,000	...	30,00,000	...	2,25,000.00	2,25,000.00	2,25,000.00	...
(28) Rs. 100 Lakhs Loan (1978-79)	6½	1,00,00,000	...	1,00,00,000	...	1,00,00,000	...	6,50,000.00	6,50,000.00	6,50,000.00	...
Total Loans from Internal Funds		6,77,50,000	...	6,77,50,000	...	6,77,50,000	...	41,46,875.00	41,46,875.00	41,46,875.00	...
GRAND TOTAL		19,59,00,000	55,00,000	20,14,00,000	27,50,000	19,85,50,000	1,53,940.32	1,22,78,625.00	1,24,32,565.32	1,23,79,087.14	53,478.00 0.18*

* Treated as Saving.

* E Div.-I.

APPENDIX No.—70

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1980-81 and the balance at the credit of the Fund at the close of the year 1980-81 (i.e., 31st March 1981).

	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT		
(1A) Education Cess	5,88,70,591	24
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I	3,27,89,070	00
(ii) From Budget 'A' Div. II	2,06,17,250	00
(iii) From Budget 'A' Div. III	89,03,080	00
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	12,51,00,000	00
(ii) Budget 'A' Div. II	...	...
(iii) Budget 'A' Div. III	...	...
Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act	3,19,07,450	00
Interest on Endowment and Investments	13,202	39
Rent and other proceeds of properties	2,29,968	70
Interest and Profits on Investments of Surplus, Loan and other balances	6,19,479	53
Miscellaneous Receipts	7,30,603	27
Total—Revenue Receipts	27,97,80,695	13
RECEIPTS—B.—CAPITAL ACCOUNT		
(1) New Loans	55,00,000	00
(2) Trust Fund	...	...
(3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans	...	...
Total—Capital Receipts	55,00,000	00
RECEIPTS—C.—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent Expenditure	3,293	18
(b) Motor Cars and Motor Cycles to Officers	40,940	00
(c) Dishonoured Cheques	10,86,501	40
(d) Loan scholarships to Municipal Teachers Under Training	973	30
Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords.	...	...
Sundries—Miscellaneous Advances	26,78,486	10
Total—Advances	38,10,193	98
Paper and Cash Account—State Bank of India and other Local Banks including Paper Deposits in Office Custody—		
(1) Sinking Fund (Paper and Cash) Account	27,20,564	89
(2) Endowment Fund (Paper and Cash) Account	...	...
(3) Loan Fund (Paper and Cash) Account	96,97,293	52
(4) Surplus Fund (Paper and Cash) Account	1,15,30,161	39
(5) Sundry Deposits Account	...	...
Total—Paper and Cash	2,39,48,019	80
Deposit Account	1,23,09,369	57
Provident Fund	2,38,04,130	79
Pension Fund	56,70,860	14
Gratuity Fund	9,15,159	93
Cheques Payable	26,63,13,746	59
Wages Deposit Account	...	...
Endowment Fund Account	7,501	00
Sinking Fund Account—Education	1,16,65,725	43
Amount Transferred from Municipal General fund Budget A to Education Fund A/c.	29,33,87,827	12
Education Loan Interest Warrants Payable Account	82,08,687	71
Interest Receivable Account	...	...
Interest Accrued but not paid	4,89,843	75
Investment of Surplus Monies in Public Securities	...	...
Loan Redemption Fund Account	27,50,000	00
Unclaimed Dues and Deposits (Refundable) Account	89,172	00
Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans	...	...
Interest on Loans Payable Account.	32,121	25
Total—Deposit etc.	62,56,44,145	28
Total—Suspense Receipts	65,34,02,359	06

APPENDIX No. 70—(Contd.)

EXPENDITURE—A. REVENUE ACCOUNT		Rs.	P.
A.—General Supervision and Administration	...	58,61,522	30
B.—Municipal Primary Schools	...	20,65,70,021	92
C.—Private Primary Schools	...	76,98,592	28
D.—Medical Inspection of School Children	...	22,75,898	57
E.—Enforcement of Compulsion	...	...	...
F.—Educational Activities	...	20,37,556	8
G.—Pension and Provident Fund	...	1,99,79,304	38
I.—New Works	...	2,86,676	04
J.—Debt Charges	...	2,19,75,836	20
K.—Training Facilities for Municipal Teachers	...	82,884	81
L.—Proportionate Cost of Collection of Education Cess	...	7,18,753	59
M.—Extra-Curricular Activities	...	4,14,233	92
O.—Proportionate Cost of C.E.'s Central Planning Staff	...	4,01,130	00
P.—Lumpsum provision for payment of arrears on account of Revision of grades	...	2,576	51
T.—Lumpsum provision for Deposit tenked Insurance Scheme	...	3,15,202	17
U.—Lumpsum provision Langue Development Project at Gilder Tank	...	3,22,109	34
Total—Revenue Expenditure	...	26,89,49,298	83
EXPENDITURE—B.—CAPITAL ACCOUNT			
(1) Loan Funds—	...	1,85,70,757	05
(2) Trust Fund	...	...	...
Total—Capital Expenditure	...	1,85,70,757	05
EXPENDITURE—C.—SUSPENSE ACCOUNT			
Advances to Municipal Officers—			
(a) Standing Advances for Contingent expenditure	...	89,931	41
(b) Motor Cars and Motor Cycles to Officers	...	46,787	48
Dishonoured Cheques	...	10,86,501	40
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	...	1,92,47,871	99
Total—Advances	...	2,04,71,092	28
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—			
Sinking Fund (Paper and Cash) Account	...	1,15,23,660	39
Endowment Fund (Paper and Cash) Account	...	6,501	00
Loan Fund (Paper and Cash) Account	...	...	...
Surplus Fund (Paper and Cash) Account	...	1,24,21,621	91
Sundry Deposits Account	...	1,000	00
Total—Paper and Cash	...	2,39,52,783	30
Deposit Account	...	1,10,44,466	66
Provident Fund	...	2,38,04,130	79
Pension Fund	...	56,70,860	14
Gratuety Fund	...	9,15,159	93
Cheques Payable	...	26,60,22,916	61
Wages Deposit Account	...	...	...
Amount transferred from Education Fund A/c to Municipal General Fund Budget A	...	28,59,89,991	24
Endowment Fund Account	...	...	...
Sinking Fund Account Education	...	28,62,629	93
Education Loan Interest Warrants—Payable Account	...	82,00,621	21
Interest Accrued but not paid	...	69,666	67
Interest Receivable Account	...	...	...
Investment of Surplus Monies in Public Securities	...	...	...
Advance from Surplus Monies for financing Capital Works Expenditure pending raising of New Loans	...	27,50,000	00
Repayment of Loan Account	...	...	...
Unclaimed Dues and Deposits (Refundable) Account	...	1,32,583	57
Interest on Loans Payable A/c	...	...	...
Total—Deposits etc.	...	60,74,63,026	75
Total—Suspense Expenditure	...	65,18,86,902	33

APPENDIX No. 70—(Concl.)

SUMMARY

Receipts		Account	Disbursements	
Rs.	P.		Rs.	P.
—	10,07,011 64	Opening Balance on 1st April 1980—		
27,97,80,695	13	A.—Revenue Account ...	26,89,49,298	83
55,00,000	00	B.—Capital Account ...	1,85,70,757	05
65,34,02,359	06	C.—Suspense Account ...	65,18,86,902	33
93,86,83,054	19	Closing Balance on 31st March 1981. ...	93,94,06,958	21
			—17,30,915	66 *
93,76,76,042	55	Total ...	93,76,76,042	55
			Rs.	P.
*Banks Reconciliation—				
Balance as per Bank's Pass Book ...			71,211	39
Add—Revenue sent to the Bank on 31st March 1981 but acknowledged on 1st April 1981.			672	09
		Total ...	71,883	39
Less—Uncashed cheques ...			21,40,905	41
Balance as per Day Book (Col. No. 10)			—20,69,022	02
		Rs.	P.	
Balance in Office in Government Promissory Notes etc.		4,734	83	
Balance in Office in Cash ...		3,33,371	53	3,38,106 36
Collection kept in office ...				
Closing Balance as shown at above			—17,30,915	66

REVENUE AND ELECTIONS

(Assessment and Collection Department)

HIGH LIGHT—

I.—Money Spent on—

		(Rupees in lacs)				
		City	Subs.	Extd. Subs.	Octroi	Total
		Rs.	Rs.	Rs.	Rs.	Rs.
(i)	Establishment	100.12	65.67	32.46	79.03	277.28
(ii)	Other expenditure	34.96	5.74	3.10	9.27	53.07
(iii)	Commission to collecting agencies				100.49	100.49

]* This includes the cost of Rs. 20.94 lacs for billing and accounting on computer of property tax [water charges and wheel tax bills for City, Suburbs and Extended Suburbs.

II.—Results achieved—

Due to continuous collection drive, the recovery of Municipal property taxes together with wheel tax and Octroi was in excess to the tune of Rs. 11.49 crores as compared with last year, the details, where of are as under :—

(Rupees in Crores)

Property taxes including wheel tax			Octroi			Total
Collection made in 1979-80	Collection made in 1980-81	Excess	Collection made in 1979-80	Collection made in 1980-81	Excess	Excess
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
88.06	93.25	5.19	73.31	79.61	+6.30	11.49

The property taxes and octroi are the mainstay 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 is a marked improvement in the total tax collection (including Govt. taxes) during the year under report inasmuch as the Deptt. brought Rs. 106.38 Crores as against Rs. 100.64 Crores during the previous year.

The total demand of Municipal property taxes including water charges and wheel tax is Rs. 152.81 Crores whereas the total outstanding which includes arrears of past and previous years is Rs. 59.56 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 mean time are making *ad-hoc* payment of Rs. 11.75 lacs for every year.

The assessment of B.P.T. properties for the quinquennium 1969-74 is in progress.

As regards the assessment of State and Central Govt. properties for the quinquennium 1979-84, Shri C. D. Vaidya, Architect, who has been appointed to fix the rateable values of lands and building in charge of State and Central Govts. in Greater Bombay has taken up the matter in hand and the same is in progress.

Building Repairs Cess :—Repair cess collected during the year 1980-81 is Rs. 5.20 Crores.

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

Under the aforesaid Act, the State, Govt. has levied from 1-4-74 retrospectively a tax on residential premises having floorage of more than 125 Sq. Mtrs. and the R. V. there of being more than Rs. One thousand and five hundred, at the rate of 10% of the R.V. per year. The work of levy and recovery of this tax is entrusted to Assessment & Collection Department.

Octroi :—In 1980-81 the rates of octroi continued to be the same as those for the period from 1-4-79 to 31-3-80 except in respect of Timber used for preparation of Khokas (item 30 of Schedule 'H') the rate of octroi on this item was reduced from 5% to 3% ad valorem from 1-4-80.

Octroi collection during the year 1980-81 amounted to Rs. 79.61 crores as against the amount of Rs. 73.31 crores during the year 1979-80. This shows an increase of Rs. 6.30 Crores in octroi collection in 1980-81 over the octroi collection for the last year i.e. 1979-80. Figures are shown hereunder for comparison.

(Rupees in Crores)

	Years			Increase over 1979-80
	1978-79	1979-80	1980-81	
	Rs.	Rs.	Rs.	Rs.
(1) Gross collection	62.65	73.31	79.61*	+6.30
(2) Less refunds	7.00	5.99	7.57	+1.58
(3) Net revenue	55.65	67.32	72.04	+4.72
(4) Fees for stamping	0.013	0.014	0.009	-0.005
(4) Fees in respect of refunds ..	0.62	0.63	0.84	+0.21
(6) Departmental collection ..	44.09	49.12	56.57	+7.45

* 1,10,040 claims for refunds of octroi on goods exported out of Greater Bombay were received during the year under report as compared to 1,24,129 claims received in the last year.

Election :—Against the results declared of the Municipal General Elections 1978, 31 Election Petitions were filed in the Small Causes Court under the provision of Section 33 of the B.M.C. Act. Out of these 31 petitions, 12 petitions were disposed of in the year 1979-80 and 14 petitions were disposed of during the year under report and 5 petitions remained undisposed upto 31-3-1981.

P. B. MHASKAR
Assessor and Collector.

APPENDIX No. 1
RATES OF TAXATION

Nature of Tax	Percentage	Remarks
(1) General Tax (including Fire tax 1½%)	25½%	In the areas of City, Subs., & Extd. Subs.
(2) Water Tax	...	7% Do.
(3) Water Benefit Tax	...	5% Do.
(4) Sewerage Tax	...	4% Do.
(5) Sewerage Benefit Tax	...	3% Do.
(6) Education Cess	...	½% For Rateable Value between Rs. 1 and Rs. 74.
	...	2½% For R. V. between Rs. 75 and Rs. 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 purposes	In respect of land or bldgs. used or intended to be used for non-residential purposes
(1) On R. V. Rs. 1 to Rs. 74	...	Nil.
(2) Rs. 75 or more but not more than Rs. 150	...	2% of the annual letting value.
(3) More than Rs. 150 but less than Rs. 300	...	3% of the annual letting value.
(4) Rs. 300 or more but less than Rs. 3,000	...	4% of the annual letting value.
(5) Rs. 3,000 or more but less than Rs. 6,000	...	5% of the annual letting value.
(6) Rs. 6,000 or more	...	6% of the annual letting value.
(8) Water Charges by Meter measurement in case of properties metered.	The rates charged for supply of water by meter measurement ranged between Rs. 2.50 to Rs. 25 per 10,000 litres according to the user of property.	
(9) Sewerage charges in case of properties metered and sewered.	At 50% of the amount of water charges bill.	
(10) Employment Guarantee Cess	...	At 1/4 the rate at which State Educational Cess is levied for non-residential lands and buildings.

APPENDIX No. 2

Statement showing the position of properties during the year 1980-81.

Properties	City	Subs.	Ext. Subs.	Total
(1) Properties as on 31-3-1981	61,150	88,255	58,457	2,07,862
(2) Properties exempted from G. T.	4,466	2,101	836	7,403
(3) Properties newly assessed	336	2,294	2,506	5,136
(4) Properties enlarged	955	1,187	1,628	3,770
(5) Properties demolished	269	365	271	905

APPENDIX No. 3

Statement of Rateable Value as on 31-3-81, rates of Rateable Value per head etc.

	City	Subs.	Ext. Subs.	Total
(1) Rateable Value ...	82,87,56,070	50,80,43,705	26,53,44,578	1,60,21,44,353
(2) Population (1981 Census) ...	32,58,117	32,38,534	17,30,681	82,27,332
(3) Rate per head of population ...	254.36	156.87	153.31	194.73
(4) Complaints against R. V. ...	1,474	2,982	1,930	6,386
(5) Reduction in R. V. ...	9.71%	10.45%	9.38%	9.93%
(6) Appeals received against R. V. ..	787	284	1,082	2,153
(7) Appeals pending against R. V.	767	229	1,066	2,062

APPENDIX No. 4

Statement showing comparative position of Demand, Collection and Outstanding 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	Out-standing	Percentage
City	Property Tax	1978-79	63.04	43.54	69.06	19.50	30.94
Subs.	"	"	45.52	26.39	57.98	19.13	42.02
Extd. Subs.	"	"	19.67	10.62	53.98	9.05	46.02
City	"	1979-80	65.01	46.22	71.10	18.79	28.90
Subs.	"	"	51.77	28.60	55.00	23.17	45.00
Extd. Subs.	"	"	21.04	11.41	54.33	9.63	45.67
City	"	1980-81	68.79	48.49	70.49	20.30	29.51
Subs.	"	"	52.13	30.17	58.01	21.96	41.99
Extd. Subs.	"	"	23.97	12.81	53.37	11.16	46.63
City	Wheel Tax	1978-79	4.6	1.26	31.03	2.80	68.97
Subs.	"	"	1.89	0.41	21.69	1.48	78.31
Extd. Subs.	"	"	0.41	0.11	26.83	0.30	73.17
City	"	1979-80	4.43	1.34	30.25	3.09	69.75
Subs.	"	"	2.12	0.37	18.50	1.75	81.50
Extd. Subs.	"	"	0.49	0.12	24.50	0.37	75.50
City	"	1980-81	4.91	1.28	26.07	3.63	73.93
Subs.	"	"	2.43	0.38	15.63	2.05	84.37
Extd. Subs.	"	"	0.58	0.12	20.69	0.46	79.31

		City	Subs.	Extd. Subs.	Total
Miscellaneous Receipt 1980-81 (Amounts in lacs) ...	(1) Notice fee ...	1.30	1.79	1.08	4.17
	(2) Warrant Cost	0.75	0.70	0.25	1.70
	(3) Penalty ...	5.11	4.56	11.62	21.29
Amount of General Tax (Rs. in crores) ...	1979-80	1.74	0.40	0.24	2.38
Exempted;	1980-81	1.75	0.51	0.82	3.08

APPENDIX No. 5

Statement showing Total Demand, Collection and Outstandings of Municipal taxes during 1980-81

(1) 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 1-4-1980	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year 80-81	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year 80-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand*
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1978-79	7.53	2.16	9.74	0.89	8.85	...	...	2.29	6.54	...
1979-80	5.87	1.13	7.00	1.05	5.94	11.86	35.00	3.01	2.93	...
1980-81	...	36.26	36.26	3.33	32.93	...	...	26.87	6.06	...
Total	13.45	29.55	53.00	5.23	47.72	11.85	35.86	32.17	15.55	89.71
Suburbs—										
Upto and 1978-79	9.89	0.45	10.34	0.84	9.50	...	...	1.33	8.17	...
1979-80	5.77	1.09	6.86	1.07	5.79	4.73	29.63	2.25	3.54	...
1980-81	...	21.19	21.19	2.12	19.07	...	...	14.87	4.20	...
Total	15.66	22.73	38.39	4.03	34.36	4.73	29.63	18.45	15.91	62.27
Extended Suburbs—										
Upto and 1978-79	4.76	0.45	5.21	0.25	4.96	...	...	0.88	4.08	...
1979-80	2.77	0.83	3.60	0.51	3.09	2.96	14.43	1.46	1.63	...
1980-81	...	10.62	10.62	1.28	9.34	...	...	6.45	2.89	...
Total	7.53	11.90	19.43	2.04	17.39	2.96	14.43	8.79	8.60	60.91

(2) Water charges by Meter Measurement including Sewerage Charges.

(Amount shown in lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net demand	Less: Unsettled demand	Effective demand	Collection during the year 1980-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1978-79	221.17	23.81	244.98	23.97	221.01	...	2105.78	62.03	158.98	...
1979-80	266.53	36.55	303.08	35.91	267.17	...	...	130.04	87.13	...
1980-81	...	1685.28	1685.28	66.68	1618.60	...	...	1389.99	228.61	...
Total	487.70	1745.64	2233.34	126.55	2106.78	...	2106.78	1632.66	474.72	77.46
Suburbs—										
Upto and 1978-79	636.35	29.25	655.60	250.61	404.99	...	...	81.81	323.18	...
1979-80	322.01	64.89	386.90	79.58	307.32	...	1777.52	195.00	112.32	...
1980-81	...	1244.30	1244.30	179.09	1065.21	...	...	895.26	169.55	...
Total	958.36	1338.44	2296.80	519.28	1777.52	...	1777.52	1172.67	605.45	65.92
Extended Suburbs—										
Upto and 1978-79	121.54	12.03	133.57	2.42	131.15	...	...	42.03	89.12	...
1979-80	123.66	14.72	138.38	5.94	132.44	...	658.37	75.00	57.44	...
1980-81	...	444.93	444.93	50.15	394.78	...	...	285.44	109.34	...
Total	245.20	471.68	716.88	58.51	658.37	...	658.37	402.47	255.90	61.17

(3) Sewerage Charges

(Amount in Lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year 80-81	Gross Demand	Amount of bills recalled during the year 80-81	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year 1980-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1978-79	...	65.92	7.79	73.71	7.61	65.10	...	12.72	53.38	...
1979-80	...	61.52	9.55	71.07	11.28	59.79	...	37.80	21.99	...
1980-81	475.31	475.31	16.87	458.44	...	405.32	53.12	...
Total	...	127.44	402.65	620.09	35.76	584.33	...	455.84	128.49	...
Suburbs—										
Upto and 1978-79	...	263.56	6.05	267.61	152.79	116.82	...	23.42	93.40	...
1979-80	...	141.18	13.50	157.68	41.54	115.14	...	53.44	59.70	...
1980-81	280.93	280.93	40.59	240.34	...	205.79	34.55	...
Total	...	404.74	305.48	710.22	237.92	472.30	...	284.65	187.65	...
Extended Suburbs—										
Upto and 1978-79	...	4.42	0.54	4.96	0.06	4.90	...	0.33	4.55	...
1979-80	...	4.53	1.98	6.51	0.10	6.41	...	1.51	4.90	...
1980-81	12.30	12.30	0.23	12.07	...	5.97	6.10	...
Total	...	8.95	14.82	23.77	0.39	23.38	...	7.83	15.55	...

(4) WHEEL TAX

(Amount in Lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year 80-81	Gross Demand	Amount of bills recalled during the year 80-81	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standings as on 31-3-1981	Percentage of collection to effective demand	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
City—											
Upto and 1978-79	...	242.00	2.33	214.38	5.44	238.94	} 271.85	09.22	229.72	...	
1979-80	...	67.16	2.28	63.44	2.08	67.36		219.24	15.31	52.05	...
1980-81	183.35	188.35	3.55	184.80		...	103.71	81.09	...
Total	...	309.16	193.01	502.17	11.07	491.10	271.86	219.24	123.24	362.86	58.56
Suburbs—											
Upto and 1978-79	...	132.81	2.27	135.08	0.94	134.14	} 109.90	03.37	123.77	...	
1979-80	...	35.29	3.27	38.56	0.37	39.19		132.82	06.03	32.17	...
1980-81	71.37	71.37	0.98	70.39		...	26.50	43.89	...
Total	...	168.10	76.91	245.01	2.29	242.72	109.90	132.82	37.89	204.83	28.49
Extended Suburbs—											
Upto and 1978-79	...	27.01	1.23	28.24	0.40	27.84	} 22.39	01.97	25.87	...	
1979-80	...	10.34	1.36	11.70	0.24	11.45		35.65	2.17	9.29	...
1980-81	19.18	19.18	0.44	18.74		...	8.11	10.63	...
Total	...	37.35	21.77	59.12	1.08	58.04	22.39	35.55	12.25	45.79	34.03

(5) WATER BENEFIT TAX

(Amount in Lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year 1980-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand
City—										
Upto and 1978-79	88.82	30.20	119.02	6.84	112.18	...	...	32.60	79.58	...
1979-80	74.19	9.46	83.65	11.53	72.12	...	...	40.34	31.78	...
1980-81	...	444.90	444.90	39.20	405.70	...	...	333.20	72.50	...
Total	163.01	484.56	647.57	57.57	590.00	...	...	406.14	183.86	...
Suburbs—										
Upto and 1978-79	170.48	4.95	175.43	8.80	166.63	...	...	12.47	154.16	...
1979-80	80.46	14.12	94.58	12.57	82.01	...	...	23.53	58.48	...
1980-81	...	271.03	271.03	24.87	246.16	...	...	166.01	80.15	...
Total	250.94	290.10	541.04	46.24	494.80	...	...	202.01	292.79	...
Extended Suburbs—										
Upto and 1978-79	64.21	5.20	69.41	2.92	66.49	...	...	12.37	54.12	...
1979-80	36.45	7.92	44.37	6.90	37.47	...	...	15.98	21.49	...
1980-81	...	147.83	147.83	11.66	136.17	...	...	89.21	46.96	...
Total	100.66	160.95	261.61	21.48	240.13	...	...	117.56	122.57	...

(6) Sewerage Benefit Tax

(Amount in Lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year 1980-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand
City—										
Upto and 1978-79	56.96	19.80	76.76	4.75	72.01	...	...	17.88	54.13	...
1979-80	47.43	6.17	53.65	7.28	46.37	...	...	22.44	23.93	...
1980-81	...	248.43	248.43	22.26	226.17	...	...	203.21	43.01	...
Total	104.44	294.45	398.89	34.29	364.60	...	...	243.53	121.07	...
Suburbs—										
Upto and 1978-79	101.82	3.04	104.86	5.29	99.57	...	...	8.08	91.49	...
1979-80	53.04	8.42	61.46	7.37	54.09	...	...	14.79	39.30	...
1980-81	...	163.26	163.26	14.44	148.82	...	...	105.88	42.94	...
Total	154.86	174.72	329.58	27.10	302.48	...	...	128.75	173.73	...
Extended Suburbs—										
Upto and 1978-79	39.49	3.42	42.91	1.30	41.61	...	...	07.57	34.04	...
1979-80	29.06	4.76	33.82	3.35	30.47	...	...	10.20	20.27	...
1980-81	...	83.82	83.82	8.50	75.32	...	...	52.64	22.68	...
Total	68.55	92.00	160.55	13.15	147.40	...	...	70.41	76.99	...

APPENDIX No. 6

Statements showing total Demand, Collection and Outstanding of Government Taxes and Cess during 1980-81.

(1) State Education Cess

(Amount in lacs)

Period	Out-standings as on 1-4-80	Amount of bills issued during the year	Gross demand.	Amount of bills recalled during the year.	Net Demand	Less : unsettled demand.	Effective demand.	Collection during the year 1980-81	Out-standings as on 31-3-81	Percentage of collection to effective demand.
City—										
upto and 1978-79	193.79	13.44	207.23	20.18	187.05	..	..	43.75	143.30	..
1979-80	143.01	19.48	162.49	23.76	138.73	..	..	74.44	64.29	..
1980-81	..	764.77	764.77	78.75	686.02	..	..	555.34	130.68	..
Total	335.80	797.69	1,134.49	122.69	1,011.80	..	..	673.53	338.27	..
Subs.—										
upto and 1978-79	273.24	7.15	285.39	17.44	267.95	..	..	19.06	248.89	..
1979-80	119.40	19.14	138.54	19.84	118.70	..	..	34.14	84.56	..
1980-81	..	385.99	385.99	38.87	347.10	..	..	238.51	108.59	..
Total	397.64	412.28	809.92	76.17	733.75	..	..	291.71	442.04	..
Extd. Subs.—										
upto and 1978-79	142.17	16.76	158.93	7.59	151.34	..	..	20.32	131.02	..
1979-80	77.11	22.73	99.84	20.02	79.82	..	..	31.95	47.87	..
1980-81	..	225.30	225.30	35.00	190.30	..	..	120.12	70.18	..
Total	219.28	254.79	484.07	62.61	421.46	..	..	172.39	249.07	..

(2) Urban Immovable Property Tax

(Amount in lacs)

City—										
upto and 1962-63	0.39	..	0.39	..	0.39	..	..	0.09	0.30	..
Subs.—										
Upto and 1962-63	2.03	..	2.03	..	2.03	..	..	0.02	2.01	..
Extd. Subs.—										
Upto and 1962-63	1.00	..	1.00	..	1.00	..	..	0.18	0.82	..
Total	3.42	..	3.42	..	3.42	..	..	0.29	3.13	..

(3) The Additional State Education Cess.

(Amount in lacs)

City—										
upto and 1973-74	1.42	0.21	1.63	0.32	1.31	..	..	0.36	0.95	..
Subs.—										
Upto and 1973-74	5.66	0.10	5.76	0.23	5.53	..	..	0.24	5.29	..
Extd. Subs.—										
Upto and 1973-74	3.02	..	3.02	..	3.02	..	..	0.21	2.80	..
Total	10.10	0.31	10.41	0.55	9.86	..	..	0.82	9.04	..

Total Demand, Collection and Outstanding of Repair and Reconstruction Cess during the year 1980-81 for the city wards.

(Figures in lacs).

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standings as on 31-3-1981	Percentage of collection to effective demand
Past and Previous Years Category	A ...	311.93	450.11	762.04	108.21	653.83	...	246.43	407.40	...
	B ...	45.61	32.02	77.63	9.27	68.36	...	17.76	50.60	...
	C ...	77.25	48.00	125.25	17.25	108.00	...	29.30	78.70	...
	Total ...	434.79	530.13	964.92	134.73	830.19	...	293.49	536.70	...
Current Year 1980-81	A ...	...	521.75	521.75	42.08	479.67	...	188.43	291.24	...
	B ...	...	42.04	42.04	2.60	39.44	...	13.53	25.91	...
	C ...	...	71.83	71.83	6.73	65.10	...	24.82	40.28	...
	Total ...	...	635.62	635.62	51.41	584.21	...	226.78	357.43	...
Grand Total ...	434.79	1165.75	1600.54	186.14	1414.40	...	520.27	894.13	...	

APPENDIX No. 6

(5) Statement showing demands collection and outstanding of Employment Guarantee Cess during 1980-81.

(Figures in lacs)

Period	Out-standings as on 1-4-1980	Amount of bills issued during the year 1980-81	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year 1980-81	Out-standings as on 31-3-1981	Percentage of collection to effective demand
City—										
Upto & 1978-79 ...	...	12.03	1.67	13.70	2.28	11.42	...	5.23	6.19	...
1979-80 ...	...	21.47	4.31	25.78	5.17	20.61	...	11.30	9.31	...
1980-81 ...	...	...	149.41	149.41	17.49	131.92	...	98.17	33.75	...
Total ...	33.50	155.39	183.89	24.94	163.95	...	...	114.70	47.25	...
Suburbs—										
Upto & 1978-79 ...	...	7.54	0.91	8.45	1.37	7.08	...	1.23	5.85	...
1979-80 ...	...	19.56	2.52	22.08	2.84	19.24	...	3.53	15.31	...
1980-81 ...	...	...	49.36	49.36	5.19	44.17	...	26.43	17.74	...
Total ...	27.10	52.79	77.89	9.40	70.49	...	...	31.59	38.90	...
Extended Suburbs—										
Upto & 1978-79 ...	...	15.68	2.74	18.42	2.04	16.38	...	5.30	11.08	...
1979-80 ...	...	26.59	5.70	32.69	4.25	28.44	...	9.45	18.99	...
1980-81 ...	...	...	27.36	27.36	5.55	22.31	...	13.95	8.35	...
Total ...	42.67	36.30	78.97	11.84	67.13	...	...	28.70	38.43	...

APPENDIX No. 7

(Bills issued during the year 1980-81)

	CITY		SUBURBS		EXTD. SUBURBS.		GRAND TOTAL.	
	Past and previous years.	Current year	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	No. of bills	No. of bills
(1) Property Taxes	6,394	1,19,975	7,116	1,80,897	4,834	1,11,358	18,344	4,12,230
(2) Water charges by meter measurement including meter Hire	3,348	72,777	16,342	1,40,541	3,020	70,642	22,710	2,83,960
3) Wheel Tax	6,879	1,30,433	6,331	55,957	2,055	16,676	15,275	2,03,066

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 and Employment Guarantee Cess as on 31-3-1981
(Rupees in lacs)

	City	Suburbs	Extended Suburbs	Total
	Rs.	Rs.	Rs.	Rs.
(1) Government and Dy. Custodian of Evacuee properties	308.48	158.09	67.17	533.74
(2) Bombay Port Trust	79.10	2.29	...	81.39
(3) B. M. C. Impts. and other Municipal Departments	39.87	45.01	4.23	89.11
(4) Properties under attachment	102.16	137.34	71.36	310.86
(5) Amounts involved in respect of unauthorised structures and hutments	22.07	315.04	189.85	526.96
(6) Amounts due from B. E. S. T. Undertaking	12.04	4.52	0.85	17.41
(7) Ins'almnts allowed	31.32	33.76	20.64	85.72
(8) Monthly tenancy structures	10.36	31.45	22.63	64.44
(9) Amounts held in deposit	10.96	27.71	22.01	60.68
(10) Other ratepayers : (a) Property taxes	227.34	1004.84	428.83	1661.01
(b) Wheel Tax	91.81	58.90	16.10	166.81
Total	935.51	1818.95	843.67	3598.13

- Re: (1) Payment was not received from Govt. Deptt. before 31-3-1981. The Dy. Custodian of Evacuee properties pays as and when fund permits.
 (2) The payment was not received before 31-3-1981.
 (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) Amounts await adjustments.
 (10) The recovery is in progress.

(B) Break up 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 31-3-1981
(Rupees in lacs)

	City	Suburbs	Extended Suburbs	Total
	Rs.	Rs.	Rs.	Rs.
(1) Railways	28.37	24.46	1.14	53.97
(2) Court Receiver, Official Assignee etc.	63.73	11.43	19.07	94.23
(3) Suits Filed, Injunctions, appeals and Writ Petitions against Rateable Value	305.96	88.64	73.72	468.32
(4) Complaints against Rateable Value	343.91	115.99	70.01	529.91
(5) Disputed Property Taxes	167.45	119.80	29.65	316.90
(6) Disputes regarding Wheel Tax	271.86	109.90	22.39	404.15
(7) Bills issued at the fig end of the year	276.21	112.54	101.47	490.22
(8) Arrears of taxes carried forward from the records of the defunct Local bodies	...	0.36	0.94	1.30
Total	1457.49	583.12	318.39	2359.00

- Re: (1) The Railways have made on account payment of Rs. 8.95 lacs, during 1980-81. The question of Assessment of Railway properties for the quinquennium 1-4-1959 to 31-3-1964 and for the subsequent quinquennia 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 Petition 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	1979-80	1980-81
				Rs.	Rs.
City ...	65	1	66	19,02,083.00	18,61,388.00
Suburbs ...	40	..	40	11,39,442.00	11,20,417.00
Extended Suburbs ...	21	..	21	5,34,203.00	5,58,491.00
Total ...	126	1	127	35,75,728.00	35,40,296.00

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

(a) Hack Victorias (2 Horses each) ...	...	...	...	220
(b) Labour Carts (with pair of Bullocks) ...	...	...	...	254
(c) Hand Carts ...	...	...	...	13,119
Total ...	...	...	...	13,593

Vehicles and Animals taxed during the year 1980-81

Vehicles or Animals taxed in the year	No.	Vehicles or Animals taxed in the year	No.
(1) Motor Cycle solo ...	59,873	(11) Taxis ...	23,914
(2) Motor Cycle with side car ...	2,470	(12) Passenger buses ...	1,343
(3) Trade Certificates ...	37	(13) Ambulance ...	102
(4) Motor Lorries ...	20,548	(14) Others ...	..
(5) Delivery Van ...	9,216	(15) Four Wheeled Vehicles drawn by animals ...	..
(6) Tractor ...	435	(16) Two Wheeled Vehicles drawn by animals ...	359
(7) Tanker ...	450	(17) Handcarts ...	11,961
(8) Crane ...	310	(18) Horses ...	1,691
(9) Motor Tractor ...	240	(19) Ponies ...	59
(10) Motor Cars ...	1,14,679	(20) Bullocks ...	732
		Total ..	2,48,419

APPENDIX No. 10

Classification of properties according to Rateable Value.

Rateable Value	No. of Properties		
	City	Suburbs	Extd. Suburbs
Below Rs. 200 ...	11,169	17,230	13,665
Between Rs. 201 and Rs. 300 ...	2,616	9,814	5,693
Rs. 301 and Rs. 400 ...	2,798	8,070	4,181
Rs. 401 and Rs. 500 ...	2,486	6,303	3,311
Rs. 501 and Rs. 750 ...	3,850	7,085	4,618
Rs. 751 and Rs. 1,000 ...	3,316	5,892	3,463
Rs. 1,001 and Rs. 1,500 ...	3,848	5,663	5,086
Rs. 1,501 and Rs. 2,000 ...	3,603	4,707	4,012
Rs. 2,001 and Rs. 5,000 ...	10,022	5,621	5,549
Rs. 5,001 and Rs. 10,000 ...	6,992	6,425	3,244
Rs. 10,001 and Rs. 20,000 ...	4,488	4,154	2,460
Rs. 20,001 and Rs. 30,000 ...	1,496	3,041	1,294
Rs. 30,001 and Rs. 40,000 ...	840	1,558	725
Rs. 40,001 and Rs. 50,000 ...	619	1,245	411
Rs. 50,001 and Rs. 1,00,000 ...	1,144	791	463
Rs. 1,00,001 and Rs. 1,50,000 ...	636	419	169
Rs. 1,50,001 and Rs. 2,00,000 ...	480	107	53
Rs. 2,00,001 and Rs. 2,50,000 ...	145	42	31
Rs. 2,50,001 and Rs. 3,00,000 ...	335	26	8
Rs. 3,00,001 and Rs. 3,50,000 ...	110	22	9
Rs. 3,50,001 and above ...	157	40	12
Total ...	61,150	88,255	58,457

EDUCATION DEPARTMENT

The responsibility of Primary Education has been transferred to the Corporation in 1907. Since then, the activity has expanded so as to cover a student population of over 6 lacs. Secondary Education has been under taken since 1965 during the year under report, it covers 76,102 Student population.

The Supervision and Administration of Schools was carried out by the Education officer with the assistance of 12 Superintendents, 22 Administrative officers (Schools) and 70 Beat Inspectors

Municipal Schools and Classes :

Furniture articles to the Tune of Rs. 7.75,798 was supplied to schools during the year.

Construction of 4 new buildings and extension to 1 building have been carried out during the year under report. Thus 4 buildings have been added to the existing 293 schools buildings, bringing the total number of Municipal owned school buildings in Greater Bombay to 297. The additional class rooms have helped to reduce the number of congested class-rooms.

The work of construction of new school buildings and extensions to certain school buildings is in progress. 898 Primary Schools and classes were accommodated in 297 Municipal owned school buildings. 395 Primary Schools including classes are being accommodated in 372 rented buildings and 25 Primary schools (including classes) are housed in 22 rent free buildings.

			Premises	Schools
Municipal Owned Buildin	..	..	297	898
Rented	..	..	372	395
Rent Free	..	..	22	25
			691	1318

Teachers :

During the year No. of teachers stood at 18,424 including 1,068 Special Teachers as against 18,108 including 1024 Special Teachers in the previous years. Majority of the ordinary teachers are trained teachers.

The total number of pupils on roll at the end of the year stood at 6,64,900 as against 6,40,924 in the previous year (vide Appendix-I) Thus there was a net increase of 17,976 pupils. The average attendance throughout year was 6,03,030 as against 5,85,183 in the previous year.

Annual written examination of pupils of Standards I to VII was held in the months of March and April 1981.

The Details thereof the as under :-

Standards	Pupils appeared	Pupils passed	Percentage
I	1,52,507	1,18,541	77.73
II	1,23,724	1,08,500	85.24
III	1,15,167	90,728	78.82
V	96,157	84,258	87.67
IV	74,031	60,435	81.66
VI	58,840	51,338	87.64
VII	44,474	42,242	93.13

282 Students secured more than 68% per cent marks in Middle School Examination and 19 students in High School Examination respectively.

The amount of Trust Funds, Prizes, Freeships etc. interest on various Trust Endowments was distributed among the eligible pupils in accordance with the term and conditions of the respective Trusts.

Municipal Urdu Teacher's Junior College of Education, Mahim.

During the year 1980-81, there were 78 trainees in the college 40 in D.Ed. First year and 38 in the Second year. The teaching staff included one principal, 4 Full time Inspectors, part-time Instructor and 2 special teachers. The clerical and labour staff consisted of 1 clerk and 1 peon. Out of 78 trainees, 75 appeared for D. Ed. First year and Second year Examination held in April May, 1981.

Junior College of Education

IMAMWADA

During the year under report there were 77 trainees of D.Ed. IInd year and 79 trainees of Ist year. The teaching staff included (1) one Head mistress (2) 10 Full time Instructors (3) 2 Part time Instructors for Physical Education and (4) 3 special teachers for teaching Special subject viz. Sewing, Drawing and Music.

During the year 1980-81, 77 trainees of IInd year and 80 trainees of Ist year, were sent for the D.Ed. IInd year and Ist year Examination held on April 1981 respectively. The result of D.Ed. IInd year and Ist year Examinations were declared at 80.5% and 98.7% respectively.

Municipal Aided and Recognised Schools in Greater Bombay :

Education Seminar, exhibition of teaching devices were arranged by Private Primary Schools in individual capacity in addition to the usual educational, curricular and extra curricular activities sports, excursions and annual celebrations.

The department had conducted free seminars separately for Marathi Schools, Gujarati Schools English Schools and Hindi/Urdu Schools. The topic for Marathi Schools was (1) Teaching of Poetry in Primary Schools (2) How to create interest in day to day teaching. The topic for Gujarati, English, Hindi and Urdu schools was Teaching of Mathamatic in Std. III. Special reference to text books.

There were 305 aided private primary schools. The average number of pupils on roll in aided schools, during the year was 114617as against 109405 of the previous year. The total number of Teachers in aided schools as on 31st March 1981 was 3242 City 1252 Suburbs 1125 and 865 Extended Suburbs out of teachers 3102 are trained and 140 are untrained.

Recognised Schools :

There are 436 unaided and recognised schools in Greater Bombay and number of pupils was 163903. The total number of teachers was 4846 city 2009 Sub. 1913 and Extended Suburbs 924.

Physical Educations :

Physical Education is introduced in all Municipal Schools as it is a compulsory subject The syllabus prescribed by the Government of Maharashtra is followed with suitable modifications.

During the year 1980-81 this section carried out different activities such as, Annual Sports Games Competitions Drill Competitions, Mass Drill Displas, Educational Excursion, Refresh er Course for Physical Education teachers, etc. In addition to this, this year the Competitions in Wrestling and Sports for mentally retared children were conducted. Both these competitions had a good response and they were also highly appreciated.

Physical Training Institute :

As was done last year this year also the Physical Education was included in the In service Training Programme. The courses were conducted from 3rd July 80 to 14th March 1981. above 277 teachers of different languages schools attended these courses. Special training in basic jumps in gymnastics, drill, apparatus, Drill, Asanas, Namskars, games etc. was given to these teachers.

Band Troops :

Four full time Band Instructors continued to teach and train pupils from 16 schools to play different instruments. The pupils were later made to play band in our different activities during the rehearsals.

R.S.P. Units :

This year R.S.P. Units were continued in different municipal schools. 35 R.S.P. Units having an Instructor and 48 pupils each, conducted the R.S.P. activities before and after the schools havers at the end of the year R.S.P. Camp was conducted at Municipal Pawai High Level Camp Site, Aarey Colony, with the help and guidance of the Traffic Police Department. about 345 (including 32 teachers) pupils along with the Instructors attended this camp.

Scout Guide Activities :

Cub Masters	..	160	Cubs	..	2974
Scout Masters	..	137	Scouts	..	2935
Flock Leaders	..	120	Bulbuls	..	2096
Guide Captains	..	89	Guides	..	1971
Companies	..	89	Flocks	..	120
Scout troops	..	137			
Cub Flocks	..	160			

In the year 1980-81 following activities and camps were conducted by the section (1) Moh- soon Haikes, (2) Explantory Training Camp, (3) Revision Course for District Scout Masters/Guide Captains, (4) Patrol Leader Training Course, (5) Cub/Bulbul (6) Patrol Hikes, Excersions, (7) judges Camp, (8) Proficiency Badge Workshop, (9) Social Service Project, (10) Scout Guide Festival, (11) Annual scout/Guide Sports & Rallies, (12) Cub/Bulbul Utsav, (13) President's Scout/Guide Rally at Delhi, (14) Railway Jamoborettel at Secudarabad (A.P.) etc. Over and above this year Scouts & Guides participated in the Ist Class Scout/Guide & Rolly conducted at ai Village by the State Head Quarters. In this rally scouts from all over Maharashtra State participated. It is a matter of pride that our Scouts stood seconded in the rally and they were invited by the State Head Quarters to represent the Maharashtra State in the Railway Jamborette held at Secudarabad (A.P.) In addition to the above this year 4 Scouts passed the highest test of Scouting i.e. Presidents Scout. These 4 Scouts were awarded certificates by the President of India in a special Rally organised by Bharat Scout and Guides held at New Delhi.

Bal Bhavan Centres :

During the year under report 47 Bal Bhavan Centres were conducted. The children attending the centres were conducted. The children attending the centres were taught different games, handicrafts, drawing painting, paper work, dramatics, folk dances, songs etc. At the end of the year the Competitions in songs, dramatics, story telling, elocution etc. were conducted. At the same time an exhibition of the articles prepared by the pupils at the centres was organised at Hindu Colony School Bldg., and the prizes were awarded to the winners.

Audio Visual Section .

During the year 12 projectionists continued to work and show films in the schools on educational subjects. They covered 3057 schools and 566182 pupils. over and above this the projectionist help to carry out the tape recording etc. programme of the other activities conducted by the department on the whole.

Teaching Aid Centre :

As was done last year the teaching aid centre at Dadar continued to work along with Inservice Training Centre. About 287 teachers were given the opportunity to attend the centre and prepare teaching aids. Each teacher prepared about 25 teaching aids. They were taught to prepare these aids in as little time as possible and in as attractive manner as can be for these aids with minimum expenditure and the materials were given by the centre to these teachers. The production Centre continued to work on the same line as last year. Teaching Aids were prepared for the schools at this centre as per the direction of the Education Officer. Over and above this centre has a printing press which printed Ankur Magazine in different languages for the school children and Invitation cards of different activities of the whole Education department.

Administrative Report of Music Wing.

Sr. No.	Educational Activities.	Music Activities.	Singing song of Vande Matram in the several programmes organised at Corporation level and employees of the Music Academy participated the same.
1.	Training classes for Music, 315 ordinary teachers took part in VII Session each course of ten weeks period.	Music competitions of Muni. School children were organised in 740 schools and 2377 pupils and 200 music teachers participated in it.	(1) 24-4-80 Send-off to Mayor. (2) 16-4-80 Shivajayanti. (3) 29-4-80 Intercast marriage couples Reception. (4) 1-5-80 Maharashtra Day.
2.	Given Training regarding Music and Dance Education on six music centre every month end day. 200 Music teachers had taken advantage of it.	Music competition prize distribution ceremony was arranged on 21-4-81 at which well known music director Shri C. Ramchandra attended as Chief Guest.	(5) 2-5-81 Opening ceremony of drawing of Bombay 1661 to 1931. (6) 30-10-80 Reception to Kabaddi winners arranged by Mayor (7) 12-11-80 Anniversary of Senapati Bapat. (8) 14-11-80 Reception to Scout Guides. (9) 27-11-80 Reception of Shri A. R. Antule.
2	Arranged seminar and gathering Programme of two day for Music teachers. 200 Music teachers participated in the said programme and well known Music Director Shri C. Ramchandra and Mrs. Misashi were Present as chief guests.		(10) 1-12-80 Reception to eminent Educationist. (11) 5-12-80 Reception to well know Writers and Social workers. (12) 3-1-81 Reception to Miss Inderson Los Anglis. (13) 6-1-81 Reception to Shri Pratap Oza and Shri Pragaji Dosa. (14) Anniversary of Kesari. (15) 26-1-81 Republic day. (16) 13-3-81 Clean Bombay Green Bombay. (17) 12-3-81 Acception of Shri Deshpande, Justice. (18) Opening ceremony of Exhibition at Jeejamata Udyhan. (19) 3-3-81 Reception to Shri Vijay Merchant. (20) 19-3-81 Bombay Exhibition Book. (21) 20-3-81 Reception to felicitate Journalists. (22) 18-3-81 Reception to Shri Ram Joshi, Principal. (23) 25-3-81 Opening ceremony Second compartment of the Master Balancing Reservoir at Bhandup. (24) 27-3-81 Reception to Shri K. T. Pandit, P. R. O. (25) 30-3-81 Bhumi Porjan Ceremony of the Sonar Bungal on Sports complex. (26) 31-3-81 Dinner to Shri Baburao Shete Mayor of Bombay.

Art Wing.

Serial No.	Educational Activities.	Serial No.	Other Activities (Educational & Cultural)
1	Given training in Art to 315 ordinary teachers attending inservice training class.	1	Given possible co-operation to art teachers for child art competition. Also organised one child art exhibition of 200 pupils Hindu Colony Building.
2	Three Lectures-cum- Demonstrations were organised for drawing teachers About 200 teachers have attended the same.	2	Prepared rough sketches of Jacket Design [for the booklets Music Dance and Drama.
3	film show on Art Education was arranged. 200 drawing teachers had taken advantage of the same.	3	Prepared rough Sketches for L.D.P.'s booklet.
4	Give valuable guidance regarding Art examination of high level to thirty art teachers.	4	Prepared a dummy of the float and actual float with slogans and blow-up photographs for the International disabled year on behalf of Education Department.
5	Given valuable guidance to 80 art teachers about grade Art Examination.	5	Made rough models of furniture required to Art and Music wing extension Building Hindu Colony.
		6	One painting size L'x3' prepared for office
		7	Prepared 1200 certificates of R. O.'s department in Devanagari Script.
		8	Given Co-operation for arrangement and other required art help to Music wing as well as other department.

MUNICIPAL TEACHER'S LIBRARIES

Hours of Work :

During the year under report the Municipal Teacher's Library of Gilder Tank was kept open from 8-30 a.m. to 7-00 p.m. and on Saturday from 11-00 a.m. to 3-00 p.m.

Readers and Issue of Books :

In the year under review 18,885 books were issued to the readers at Gilder Tank Library showing an average of 63.08 books per day. Similarly 12326 and 8498 books were issued from Santacruz and Ghatkopar Libraries giving an average of 41.1 and 28.6 respectively.

Members :

During the year 147,122 and 91 members have been enrolled at Gilder Tank, Santacruz and Ghatkopar respectively.

Stock and Additions to the Libraries :

During the year 1817 (G.T.) 641 (Santacruz) and 496 (Ghatkopar) books have been added to the three libraries. In all 2954 books have been purchased from the grant of Rs. 50,000. Total No. of books with Central and two branch Libraries are 77920 (45757 G.T., 15778 Santacruz and 16385 Ghatkopar).

Mobile Libraries :

The Mobile libraries services have been suspended for the present as the Vans are not available as per schedule to transfer boxes from one centre to other. There are 3000 books on different subject useful to the teachers.

Staff :

There is one post of a LIBRARIAN who is in-charge of all the Branch Libraries and Mobile Libraries. Four Library Clerks, three peons and one Hamal are working at G. T. Library. There is one Library Clerk and Peon at each branch library. In all one Librarian, 7 Library Clerks, 5 peons and 1 Hamal work for 3 libraries and 30 Mobile Libraries.

Periodicals :

Periodicals and news papers were subscribed and purchased from the grant of Rs. 4000/-.

Children's Corner :

All the 3 libraries have Children Corner attached to them. There are 23,064 books for the Children at G. T., Santacruz and Ghatkopar (7124, 9898).

Mentally Retarded Children :

The Lions Juhu for Mentally Retarded Children continued to function during the year under report with 60 pupils. The children were provided with all necessary educational aids etc. and arrangements were also made for development of gardening and other recreational activities through which the pupils can develop their mental growth. The pupils were also medically tested regularly by Psychologist.

At present following Schools are being conducted :—

1	Special Class for Mentally Retarded Children	Mumbadevi Muni. School Bldg., 'C' Ward
2	Special Class for Mentally Retarded Children	Nair Park Muni. School Bldg., F/South.
3	Lions Juhu Centre Special Class Mentally Retarded Children, Khar.	Siam Sadan Gujarati Research Society, 17th Khar Road.
4	Special Class for Mentally Children Vile Parle	Marital Sundarraj Muni. Sch. Bld. Vile Parle (West).
5	Special class for Mentally Retarded Children,	Bajaj Road Muni. School Bldg., Kandivall.
7	Goshala Lane Muni. class for Mentally Retarded Children.	Goshala Lane, Muni. School Bldg., P. K Road, Mulund (West).
8	Worli D. C. Muni. Schools for Mentally Retarded Children	Worli D. C. Muni. School Bldg., Worli D. C. Marg Bombay-18.
9	S. G. Barve Murg Muni. School for Mentally Retarded Children.	S. G. Barve Marg. Muni. Schools. Bldg. Kurla.

Schools for Deaf and Dumb :

Two schools are run for Deaf and Dumb Children one at the Nair Hospital and other at the L. T. M. G. Hospital, Sion.

The Institutions like Lions Club., donated equipments like Group Hearing Aids, individual hearing aids, uniforms, tape records, etc., to the schools and school children. The film shows and circus shows were also arranged for the benefit of deaf children as recreational activity.

Language Development Projects :

Activities at the Language Development Project pertained to the following broad areas :

1. Teacher-training.
2. Production of Instructional Materials.
3. Research & Evaluation and
4. Development for the Curriculum Resources Centre.

These broad areas were covered in respect of 5 languages, namely English, Marathi Hindi, Urdu & Gujarati. Out of these five languages work is being done in Marathi and Hindi both as mother tongue and second language.

Organisation of workshops :

In order to provide a theoretical base and also to get practical suggestions for the Project activities and programmes the following workshops and seminars were organised during the year under the guidance of eminent educationists, language experts, linguists and literary figures. These workshops and seminars were organised for the benefit of the academic staff of the Project as well as for the officers and teachers of the Education Department.

- (1) "Language in other subjects. In the workshop Registers in Science and Arithmetic were prepared. The Text books of these two subjects from Stds. I to VII were analysed.
- (2) "Multilevel Reading Programme. The objective of the work shop was to guide the teachers of experimental schools for developing the reading skill of the pupils in English with the help of multi-level reading materials.
- (3) "Scripting and recording of correspondence course lessons in Spoken English." This workshop was conducted by Mr. David Sligman, Executive Producer BBC/TV, London. He gave guidance with practical demonstrations regarding the scripting recording editing and evaluation of correspondence course lessons in Spoken English prepared by the academic staff of the English Section.
- (4) Folk-Literature—Experts in this particular field of language explained the significance of folk-literature in the life of children. The lessons in the Readers of Stds. V to VII containing folk literature were discussed for the guidance of the teachers.

Teacher training programme :

Teacher training is a prominent activity at the Language Development Project Centre. The training programmes are of long term and short term duration depending upon the needs of the teachers. The training provided to teachers of mother-tongue was in the form of enrichment programmes and orientation courses while the training provided to teachers of English, Hindi and mother-tongue as second language was in the form of intensive long term programmes especially during Diwali and Summer vacations. The number of teachers who attended the various training programmes at the LDP during the year was 650.

Correspondence Course lessons

Taped material to accompany the correspondence lessons in Spoken English was prepared during the year. The entire correspondence-cum-contact course for teachers of English was handed over to the Education Department for implementation. The work of preparation of correspondence course lessons in Gujarati and Marathi has been taken in hand.

Experimental Schools

The 23 experimental schools of the Language Development Project in English language teaching and 13 experimental schools in mother tongue teaching were provided with instructional material both for teachers and pupils prepared at the Project Centre. Re-orientation and follow-up workshops were specially organised for the LDP trained teachers of these schools. Multilevel Reading Programmes consisting of Reading Laboratory boxes were supplied to experimental schools in English. These schools were periodically visited by the academic staff of the Project for follow-up Works.

Production of Instructional Materials

As a support to the teacher training programmes, LDP devoted a substantial time to materials production in the form of hand-books, booklets, supplementary reading material multi-language dictionaries, audio-visual aids, etc., for teachers. Material was also produced for the use of pupils in the form of workbooks, copy writing books, supplementary reading material etc.

Research and Evaluation

- (1) Tests to assess the various language abilities of the teachers were prepared and administered.
- (2) The teacher-training programmes were evaluated with the help of evaluation sheets of the teacher trainees.
- (3) Unit tests in English for pupils of Stds. V were prepared.
- (4) A comparative study of Marathi with Telugu and Kannad in respect of sound system, grammar and lexis was made.
- (5) Projects on "Error-Analysis" of composition work of pupils of Stds. IV and V (Gujarati and Hindi) were undertaken and carried to completion.

Participation of the LDP Staff in seminars

Three members of the academic staff of the Project participated in a three-day Seminar on "Functional Marathi"—need, demand and satisfaction organised by the Western Regional Language Centre Pune, of the Central Institute of Indian Languages, Mysore.

The Superintendent of the Language Development Project participated in the seminar on the "Problems and Solutions at various levels of ELT Teaching organised by the English Language Teaching Cell of the English Department of the Bombay University. She read a paper on the Problems and Solutions of English teaching at the primary level in this seminar.

The Superintendent also participated in a one day seminar on "The use of Educational Technology organised by the Indian Association for Education Technology, Bombay Chapter" and explained the type of work done at the Project in the field of educational technology.

Meeting of the Advisory Committee for LDP.—A meeting of the Committee was held in the month of March 1981.

Curriculum Resources Centre.—It was further developed during the year 1980-81 by purchasing the instructional material available in the market and also preparing it at the LDP.

LDP Library.—The Library has now about 8800 books on language and language teaching. The Library is used as a study-centre by the academic staff of the Language Development Project teacher-trainees, research workers etc.

Studio and Audio Visual Section.—Attempts were made to provide ideal conditions for the recording work. Stress was laid on the preparation of taped material for the use of teachers and pupils. A few sets of slides on language-teaching were also prepared.

The work of the renovation of the room for the installation of the language laboratory was completed.

RESEARCH UNIT

Work with respect to I. Y. C. project :

- 1) Prepared 2 booklets for I.Y.C. Exhibition Projects as follows :
 1. Collection of res arches done elsewhere and a brief report of the same.
 2. Collection of res arches done by the Research Unit.
- 2) Study of drop-outs of I.Y.C. Schools.

Research work :

- 1) Prepared an evaluation programme for the six weeks initiation programme.
- 2) Preparation of diagnostic test in Mathematics for Std. II.
- 3) Project of rating of schools—First page was completed.
- 4) Planning of project of Wastage and stagnation.
- 5) Study of the science Project.
- 6) Study of the effectiveness of the study classes under I.Y.C. Projects.
- 7) Study of the questionnaire sent by Maharashtra Rajya Pathya Pustak Mandali.

Non-Formal Education :

- (1) Prepared instructional material for teachers and for children of non formal education centre.
- (2) Prepared a vocation works syllabus for Non formal education Children and teachers.
- (3) Preparation of the questionnaire to Head Teachers and social workers for the evaluation of I.Y.C. Project.

Training :

- 1) About 600 teachers of Std. V to VII Marathi, Gujarati, Hindi, Urdu were trained by Correspondence-cum-contact Programme.
- 2) About 300 teachers of Std. I to IV were trained.
- 3) 100 senior teachers to be promoted as Dy. Head Teachers were trained.
- 4) Beat Officers newly appointed in the department were given Orientation programme of about 8 days.

TESTING

- (1) Administration of the Intelligence test to 500 teachers candidates assessed the answer sheets and prepared the results.

SUMMER CLASSES :

- (1) Revised guide book for summer class teachers.
- (2) Given orientation teachers of summer classes.

School Health Service for the year 1980-81.

During the year 1,76,768 children were examined in 1195 primary Municipal Schools.

1,49,115 children were found defectives. Total defects noticed among children were 31,9716. 9483 Guardians were advised to get their wards examined and treated early, 4503 cases were treated at the Municipal General Hospital 108497 cases (old and new.)

4263 children were referred to the out-patients department of the Municipal General Hospital for expert opinion, 264 tonsils operations were performed at the school clinics. 429 children were supplied with spectacles. 21 children were supplied with special aid such as calipers, hearing aid etc. 879 suspected cases of Leprosy and 1833 of tuberculosis were referred to the special clinics for investigation and treatment. 1 child suffering from leprosy was disallowed from attending schools.

Major defects noticed were as under

Major defects	Percentage	Major defects	Percentage
Dental	59.82	Heart and Circulation	0.33
Throat	13.80	Lungs & Tuberculosis	1.68
Nose	8.79	Spleen	0.15
Eye (External Diseases)	1.69	Skin	5.90
Eye (Vision)	00.56	Deformity of Bones	3.84
Ear Diseases	3.53	General Debility	37.82
Enlarged lymphatic Glands	23.36	Other Diseases Vitamin Deficiency	5.25
			12.25

Health Education was imparted to about 25,000 parents and teachers 8874 domiciliary visits and revisits were paid. Health parade, health ministry and health trophy competitions were arranged in school in A,B,E,P/S,P/N,M&N wards with a view to inculcate health habits among the children.

Immunization Work done as under :

(a) Diphtheria and Titanus	.. 1st dose	.. 104075
(b) B. C. G. Vaccination	.. 2nd dose	.. 77376
(c) T.A.E.		62022
		334493

The Medical examination in Municipal schools were also carried out by (1) Child Welfare at J.J. Group of hospitals-(2) Department of Preventive Social Medicine, T.N.M.College and L.T.M.G. College -(3) Mobile Health Unit, Parel respectively.

Under the Healthy child competition 121 children were selected as healthy children and awarded the prizes.

(ii) Audio Visual project for extensive health education in Municipal Schools was launched.

Secondary Education :-

The Municipal Corporation of Greater Bombay have undertaken the activity of secondary Education since 1965.

Though it is not an obligatory duty, the Corporation has undertaken this activity purely with a view to meet the need of children of poor and labour class citizens as also to supplement the efforts of private schools. The Corporation conducts 51 Municipal Secondary Schools at present.

There are 1611 classes of different medium in these schools at present with a total strength of 76,102 pupils in Std. V to X. The total number of teaching staff in schools is 2466. The Corporation received grant-in-aid from the Government on the expenditure incurred on Secondary Education as per the rules of Secondary Schools Code of the State Government.

More than 60 percent students come from lower strata of society. They have no proper facilities of study at home. It was, therefore, essential to conduct study camp for S.S.C. students (New Course 10th Std.). Residential study camps for eight days for the students securing more than 55 percent are also organized in centrally located Municipal Secondary Schools.

Experts were invited to guide the pupils Special Classes for S.S.C. students in all school for S.S.C. Examination of 1981. Results of S.S.C. 1981 may be seen at Appendix VI.

Five science resource centres started during the proceeding year continued to guide and to help the science teachers of Secondary School in collaboration with Homi Bhabha Science Centre.

Different studies and different activities are conducted by the Department in the year 1980-81.

Merit Scholarship Classes :-

It was usually observed that the Municipal School Children cannot compare with the Private School children in the Merit Scholarship Examinations conducted by the Government. In the year 1977-78, the Department started special classes for academically advanced students and prepared them, for the Scholarship examination. 16577 Children were prepared for the examination. Due to certain administrative difficulties, the Govt. conducted these examinations in 1978 and for the first time in the last 20 years of this Department, 13 Municipal School children got Merit Scholarships. The Education Committee had already approved the proposal for giving special scholarship by the Corporation to those who will attain 60 percent of marks in the above referred to examination on the condition that such of the students who will get such scholarship, must continue their further education in Municipal Schools. During the year 1980-81 also Students have appeared for the scholarship examination and students have secured more than 60 percent marks and students secured Government Merit Scholarship.

Development of talents of Municipal School Children :

Different Cultural Programmes and Competitions in dance, music etc. were organised by the Department as in last year. This year also i.e. in 1980-81 students participated in Drawing Competitions and the first five from each group in each of the Wards were awarded prizes. Competition in Music were also organised in different types Vocal music and the talented pupils are encouraged by giving prizes. About 2519 students were prepared for Elementary and Intermediate Drawing Examinations by the schools out of which 1671 students succeeded. Usually, the pupils in 8th and 9th Standard appeared for the Intermediate Examination but here the children of 6th and 7th standard in Municipal Schools have appeared and succeeded in this examination.

Curriculum Development Centres :-

Total Primary Teacher population of the Department is about 18424 working in the school spread all over Bombay. The school teachers assistance and professional guidance in order to implement new activity Teacher being the main agency of taking new ideas, new approaches to schools and the children, it is essential to make available such guidance and the facilities close to the area where they are working. It was therefore, planned to establish Curriculum Development Centres. One in each ward. The Administrative Officer for schools in the ward, who is a trained graduate, professionally qualified officer, is in charge of the Centre. Library facilities, facilities to prepare certain teaching aids, audio visual services, etc. are made available at these centres.

These Curriculum Centres have started working in 1978-79 Some Officers did a very good job by giving special guidance to the teachers in their monthly meeting as well as taking special group in certain subjects. These centres are very helpful to motivate the teachers to keep themselves fresh and upto date in their knowledge regarding education.

Community Centres at Danda and Colaba Municipal Schools :-

Nirmal Niketan College of Social Work is conducting 2 community Centres one at Danda Municipal School and another at Colaba Municipal School. The Social Service Department of the College of Social work is mainly paying the role of the liaison between the schools and the parents. They have frequent contacts with the parents, as their students visit the homes of the children and persuade parents to send their wards regularly to the schools. They also help the teachers to solve the social and psychological problems of the children. These Centres are therefore, much more helpful to improve the attendance of the children in the schools. This has also resulted in better performance of Standard I Classes.

THE MAIN FEATURES OF I. Y. C. PROGRAMME

During the International year of the Child, a special Project was undertaken in 15 slum cover in about 65000 of children from 80 schools. The main object of this Project was to convert the school into a Community Centre and give as many facilities as possible to the children and to the parents in the context of the child development.

Following are the main components of this Project :-

Social Service : To work as a liaison between the schools and parents to help to solve psychological and mental problems of the children.

Non-Formal Education Centre : For bringing the children of the age-group 9-14, who have really dropped out, into the field of education.

Study Centres : After school hours to make the facilities available to the pupils to study on their own.

Recreation Centres (Bal Bhavans) for keeping the children in conducive atmosphere and give them experience of job and develop healthy attitudes amongst them.

Free Excursions for the children of Stds. I to II to enrich their experiences and to expose them the new environment and new situations.

Meetings of the parents were conducted periodically, they were also shown different film and demonstrations were also organised in order to make them aware about the health habits and attitudes altitudes to developed amongst the children.

Social Gatherings of the Schools :

Each Centre had organised Social Gathering and Prize Distribution where all the parents were invited. To encourage a lot of involvement of both the paraents and the students was the main objective of the Social Gathering as also to bring the community and schools very close to each other.

Competitions at School Level :

Different competitions at school level and at class level were organised such as elocution, essay writing, handwriting, memory etc. in order to give maximum chance of participation to almost all the children in the schools.

Exhibition on Child Development :

A huge exhibition was organised on Child Development which was inauguated by Smt. Shanti Sadiq Ali, President of Bal Varsha Prathisthan. All aspects of child development were considered in this exhibition and the efforts for child development put in by the Municipal Corporation of Greater Bombay were highlighted. This exhibition was visited by a large number of parents as well as students.

Essary Competition of Teachers :

Extempore Essay Competitions of the Primary Schools Teachers were organised at division levels and a book comprised of the Best selected essays was released on the occasion of the inauguration of the Exhibitions.

Continuation of Social Service Centre : This facility was continued at all the 15 I.V.C. project centre School, during 1980-81. More intensive efforts were made this year towards case work (i.e. dropout & problem cases), sponsorship programme, Nutrition Community living, Youth activities & group work etc. This school Social Service was availed of through Nirmala Niketan College of Social work as in the previous year.

Most of the other activities started during 1979-80 were continued this year. Activities like special school level competitions and free excursions for Std. I pupils had to be discontinued because of meagre funds.

Evaluation of I.N.C. Programme was carried out by the department in the early part of 1980-81 and it was heartening to see that all the above activities have definitely helped in raising the standard of achievement of pupils, their attendance and behaviour as also the general tone of the slum schools covered by the I.Y.C. Project. The Evaluation report is already published.

A special seminar was on 'Nonformal Education' was organised by the department in Jan 1981. Experts in this field were invited as resource persons to guide our officers and selected teachers as well as some outsiders.

Finance :—

The Principal sources of income of Primary Education Department as (1) Five time the actual net realigation of the Corporation in the preceeding year under the head of General Tax (including arrears and payments in advance) divided by the rate for the Gernerall Tax for the said financial year (2) Government Grant towards Primary Education (3) Education Cess (4) Interest on Endowments and investments (5) Rent and other proceeds of properties (6) Interest on profits on investments of Surplus Loan and other balance and (7) other Miscellaneous Receipts.

The opening balance as on 1st April 1980 was Rs. 60740

The details of Municipal Contribution and other miscellaneous receipts are as follows :—

	Municipal Contribution	Government Grant	Education Cess	Other Misc. Receipts	Total Income
	Rs.	Rs.	Rs.	Rs.	Rs.
City Suburbs, and Extended Subs.	18,74,09,400	3,19,07,450	5,88,70,591	1,59,32,541	29,41,19,982

The total expenditure for the year amounted to Rs. 26,59,49,298/-

The closing balance as on 31st March 1980 (after taking into account increase in Renewed Grant was Rs. 2,81,70,684).

K. N. KAMAT,
Education Officer.

APPENDIX No. I
Municipal Schools and Pupils as on 31st March 1981.

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Schools	Classes	Pupils	Schools	Classes	Pupils	Schools	Classes	Pupils
Marathi ..	264	2	150615	191	1	150644	166	2	82383
Gujarati ..	77	5	15882	53	2	18967	46	3	21761
Urdu ..	104	5	39234	76	4	45445	22	1	10100
Hindi ..	54	2	22509	69	2	34909	37	2	22654
Tamil ..	11	3	4686	13	2	3870	12	2	3234
Telugu ..	18	1	7264	9	5	2164	6	6	1871
Kannad ..	14	6	3462	20	3	5908	8	3	3707
Eng. Primary ..	19	1	6760	12	..	4147	3	..	1956
Sindhi ..	..	1	56	2	..	398	1	2	203
Malayalam ..	..	..	..	..	3	75	..	1	26
Total ..	551	26	250468	445	22	266537	254	20	147895

APPENDIX No. II

Statement showing The Number of Trained and Untrained Teachers in Municipal Schools according to sides as on 31-3-1981.

Side	CITY.		SUBURBS.		EXTENDED SUBURBS.	
	Trained	Un-trained	Trained	Un-trained	Trained	Un-trained
Marathi ..	4453	9	3854	6	2224	8
Gujarati ..	522	2	602	13	682	3
Urdu ..	1091	4	1139	15	281	4
Hindi ..	629	..	912	5	518	3
Tamil ..	120	1	94	4	84	2
Telugu ..	184	19	59	1	57	4
Kannad ..	106	2	179	13	119	3
Eng. Primary ..	171	..	106	7	47	7
Sindhi ..	5	..	24	4	13	2
Malayalam ..	..	..	6	..	2	..
Total ..	7281	37	6975	68	4027	36

APPENDIX NO. III.

Municipal Recognised and Aided Schools and pupils as on 31-3-1981.

Language.	CITY.				SUBURBS.				EXTENDED SUBURBS.			
	Recognised Schools		Aided Schools		Recognised Schools		Aided Schools		Recognised Schools		Aided Schools	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils
Marathi ..	21	10227	34	11432	15	4665	46	18725	11	2070	21	6357
Gujarati ..	7	8532	28	7395	20	4785	19	8902	18	4763	21	13301
English ..	120	43258	37	18905	130	58945	36	11435	56	19974	8	2551
Urdu ..	3	318	10	3556	5	1280	3	850	..	..	..	..
Hindi ..	..	..	11	3671	3	913	11	3536	4	788	7	2435
Tamil ..	..	..	4	895	..	..	..	..	1	421	..	..
Malayalam ..	..	..	2	297	..	..	..	..	1	186	..	..
Kannad ..	1	78	5	612	..	..	..	..	..	..	1	137
Sindhi ..	..	..	..	..	..	..	1	225	..	..	..	..
Total ..	172	62413	131	46763	173	70588	116	46673	91	27902	58	24781

APPENDIX No. IV

Information Regarding Physical Education in Municipal Schools.

No. of Schools and Classes	..	..	1318
No. of schools imparting Physical education on Playground	..	..	300
No. of Schools imparting Physical education in open ground	..	..	415
No. of Schools imparting Physical education in Class rooms	..	..	603
Total No. of pupils	..	..	..
Pupils taking Physical Education	..	..	A11
No. of special teachers in Physical Education	..	..	171
No. of trained teachers in Physical Education	..	..	4552
No. of schools with playground	..	..	300
No. of schools with equipments for play	..	..	750
No. of schools with qualified teachers	..	..	171
No. of schools having Scout/Guide Troops	..	..	391

APPENDIX No. V
Average cost per pupil

Average cost	Year					
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	304.09	295.90	357.10	355.80	364.25	399.98

APPENDIX No. VI

Municipal Secondary Schools
S. S. C. Result New Course 1981.
List of Municipal Secondary Schools

Serial No.	Name of school	No. of students appeared	No. of students Passed	Percentage of passing during the year 1980	Percentage of passing during the year 1981
	2	3	4	5	6
A	1 Colaba	198	57	33	28.7
B	2 Dongri	114	54	51.52	47.37
	3 Imamwada	138	83	5	60.14
	4 Walpakhadi	25	11	20	44
	5 J.R.R.	60	11	28.21	18.33
C	6 Kalbadevi	116	55	40.08	47.5
	7 Valibai	41	23	54.56	56.10
	8 Chhotalal	12	6	66.57	50
D	9 Gilder Lane	295	57	21	19.3
	10 Nana Chowk	88	42	51.22	47.7
	11 Tardeo	48	25	36	52
E	12 Nagpada	75	18	16.8	24
	13 Souter Street	50	10	35	20
	14 East Byculla	109	52	23.7	47.71
	15 Mohd. Ummer Rajjab Road.	105	31	39.1	29.52
	16 Agripada	58	20	16.6	34.4
	17 Byculla	115	71	64.63	61.77
F/S	18 Abhyudaya Nagar	272	103	51.33	37.87
	19 Nare Park	178	60	28.44	34
	20 Shindewadi	80	26	10.22	32.50
	21 Naigaum	109	76	54.47	69.72
	22 Sion	93	53	51.35	56.99
	23 New Sion	125	51	30	41.60
	24 L. K. Waghaji	78	26	24.29	33.33
G/S	25 N. M. Joshi Marg.	165	71	27.94	43.03
	26 Worli	151	69	43.7	45.70
	27 Globe Mill Passage	111	60	39.90	54.5
	28 Prabhadevi	126	69	49.10	54.7
	29 G. K. Marg.	159	30	30.8	18.86
G/N	30 Mahim	158	74	54.32	46.8
	31 R. C. Mahim	54	6	7.84	11.11
	32 Dadar(West)	65	25	24.5	38.5
	33 L. J. Road	65	13	20.98	20
H	34 Santacruz East	235	36	12.69	15.30
	35 Kher Nagar	398	259	69.49	63.81
	36 Santacruz West	174	43	39.77	25
K	37 Vile Parle	126	65	51.08	51.60
	38 Andheri	160	80	48.77	50
	39 Vile Parle (West)	90	19	48.68	21.1
×	40 Kandivali	108	48	47.2	44.44
	41 Borivali	358	205	52.49	57.26
N	42 Barve Nagar	269	116	37.61	43.12
	43 Rajawadi	115	48	43.02	41.73
	44 Vikhroli Parksit	267	101	38.42	37.8
T	45 Mulund	404	109	26.16	27.23
P	46 Goregaon	270	159	76.95	58.89
	47 Malad	314	140	45.8	44.6
	48 Motilal	161	74	51.14	46.
	49 Malwani	42	11	..	27.1
	50 Erangal	16	04	16.66	25.
D	51 Tiopiwala Lane S.	68	29	43.86	42.69
		7211	2825		39.59

Kumari Kusum Kumarsingh student from Worli Municipal Secondary School (Hindi medium) has secured 594 marks out of 700 (Percentage 84.85).

Municipal Award Winner Teachers for 1980-81.

Serial No.	Name of the Teacher.	Designation.	Name of the School.
1	2	3	4
(1)	Shri Rajram N. Mulik	..H. Tr.	Kherwadi U. P. M. S. No. 1
(2)	Smt. Sushama D. Sawant	..H. Tr.	Malad (B) U. P. M. S.
(3)	Smt. Sunanda S. Prabhu	..H. Tr.	Sidharth Nagar U. P. M. S. No. 1
(4)	Smt. Leela V. Natekar	..H. Tr.	Currey Road U. P. M. S.
(5)	Shri Ramchandra I. Ugaonkar	..H. Tr.	Tagore Nagar U. P. M. S. No. 1.
(6)	Shri Govindaji J. Patel	..H. Tr.	Maniklal Mehta Munl. Gujarati Sch.
(7)	Shri Mataprasad Bachansingh	...H. Tr.	I. B. Patel U. P. G. S.
(8)	Shri Chandrabhushan S. Pandye	..Dy. H. Tr.	Sarswati Baug U. P. H. S.
(9)	Shri Sarwar Ali M. Ali	...H. Tr.	Durgadevi U. P. Urdu School
(10)	Sori Dharwar Mohd. G. M. Husain	..Dy. H. Tr.	Khandia Street U. P. Urdu School.
(11)	Sm. Laxmi Narayani S. Shetti	..H. Tr.	Pantnagar U.P. Kannad School.
(12)	Shri Dattatrya V. Panchor	..H. Tr.	Powai U. P. Urdu School.
(13)	Smt. Nalini V. Phanse	..H. Tr.	Nanachauwk Munl. Sec. School.
(14)	Shri Arvind R. Nerurkar	..H. Tr.	Byculla Mpl. Sec. School.
(15)	Shri Gopal A. Mahajan	..Tr.	Swami Krishnand Shekhala U. P. M.S. No. 1
(16)	Shri Ramkrishna B. Mhapankar	...	South Girgoan U. P. M. S.
(17)	Shri Narayan V. Birje	.. Do.	Parel Bhoiwada U.P.M.S. No. 1
(18)	Smt. Vandana V. Sawant	.. Do.	Barve Nagar U.P.M.S. No. 2
(19)	Shri Pandurang S. Parab	.. Do.	Adarsh Nagar U. P. M. S. No. 1
(20)	Shri Ramesh M. Vashi	.. Do.	Manilal Sunderji Guj. School.
(21)	Shri Vithal S. Shinde	..Spl. Tr.	Tagore Nagar U. P. M. S. No. 1.
(22)	Shri Balkrishna J. Dadarkar	Do.	Ganpatrao Kadam Marg U.P.M.S.

PUBLIC HEALTH

HIGH LIGHTS

Expenditure :	Rs.
(1) Maternity and Child Welfare Centres ..	1,30,65,187
(2) Pre-school and School Health Services ..	87,70,805
(3) Prevention and Control of Infectious Diseases, etc. ..	2,98,35,798

Income :—

(1) Issue of licences, certificates of births, deaths etc. ..	46,81,893
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Control of Food Adulteration :—

Samples under P. F. A. Act. ..	1,918
Adulterated ..	34
Prosecutions ..	26
(In 6 cases, the parties were warned, in 4 cases order from Food & Drug Administration are awaited. No case was decided so far in the court)	
Fines realised ..	Nil

Food Establishments :—

	Eating Houses	Bakeries.
Grade I ..	236	3
Grade II ..	875	18
Grade III ..	4,590	381
Without Grade ..	..	..
	5,701	402

Vital Statistics

Births registered		Deaths registered	
(1) Live births ..	2,07,508	(1) Total ..	68,137
(2) Still births ..	6,739	(2) Infant deaths ..	13,633

Notifiable Diseases :—

	Reported Cases	Deaths Registered
Enteric Fever ..	707	68
Polio-myelitis ..	994	110
Infectious Hepatitis ..	1,846	470
Diphtheria ..	81	12
Tuberculosis ..	18,208	8,291
Virus Encephalitis ..	Nil	Nil
Smallpox, Plague and Cholera ..	Nil	Nil
Total ..	21,836	8,951

Immunizations carried out

	1st dose	2nd dose	3rd dose	Booster
(1) Anti-typhoid ..	6,95,276			
(2) Anti-Cholera ..	2,61,901			
(3) B. C. G. ..	1,53,000			
(4) Polio ..	1,26,774	86,950	70,028	62,206
(5) Triple ..	1,22,067	84,222	68,600	36,304
(6) Tetanus ..	5,45,284	75,323	32,089	1,369
(7) Diphtheria ..	16,376	83,495		5,068
Venereal diseases cases treated ..	29,354			

HYGIENE :

Maternity and Child Welfare Services :

	Maternity Homes	Maternity Wards	Maternity & Child Welfare Centres
	22	9	39
Deliveries conducted ..			84,830
Cases treated at Clinics ..			6,32,514

Family Welfare Planning

I. U. C. D. insertions	..	..	..	..	6,026
Vasectomy Operations	..	..	..	..	289
Tubectomy Operations	..	..	..	..	15,844
Condoms distributed free	..	..	..	..	10,49,034
Free Dispensaries	150		Mobile Free Dispensaries	20	

Vaccination Branch

Primary Vaccinations	31,894	Re-Vaccinations	30,029
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Municipal Laboratory

Total samples received	Water samples	Samples found unfit for potable purposes.
42,134	23,237	3,804

Municipal Hospitals.

	Indoor	Outdoor
(1) Eye Hospital, Kamathipura—		
(i) New Cases	2,017	35,239
(ii) Total attendance	20,482	1,74,572
(2) 11 Municipal General Hospitals under Executive Health Officer		
(i) New Cases	..	16,43,843
(ii) Total Attendance	..	59,40,904
(3) Kasturba Hospital for Infectious Diseases		
Total beds	680	..
Admissions	19,098	..

Outstanding Activities.

New Dispensaries	8
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STATISTICS FOR THE YEAR 1980

	City	Suburbs	Extended Suburbs	Greater Bombay
(1) Area of Greater Bombay & Island in Sq. Kms.	68.71	192.33	176.67	437.71
(2) Density of population per Sq. Kms. (1971 Census)	44,686	11,266	4,150	13,640
(3) Population Census of 1971	30,70,378	21,66,864	7,33,333	59,70,575
Mid-year estimated (1980)	32,95,000	37,75,000	13,00,000	83,70,575
(4) Total live births registered.	82,501	78,954	46,053	2,07,508
(5) Birth Rate per 1000 population	26.9	36.4	62.8	34.8
} Census of 1971				
} Mid-year estimated (1980)	25.0	20.9	35.4	24.8
(6) Total deaths	33,477	23,763	10,897	68,137
(7) Death rate per 1,000 population	10.7	10.9	14.9	11.4
} Census of 1971				
} Mid-year estimated 1980	10.1	6.3	8.4	8.1
(8) Total deaths among infants (under 1 year.)	5,645	5,564	2,424	13,633
(9) Infant death rate per 1,000 live births.	68.4	70.5	52.6	65.7
(10) Maternal deaths	40	42	15	97
(11) Maternal death rate per 1,000 births	0.5	0.5	0.3	0.5
(12) Still births	2,530	2,699	1,510	6,739
(13) Plague, Cholera, Smallpox, Influenza Deaths.	Nil	Nil	Nil	Nil.
(14) Tuberculosis	4,693	2,486	1,112	8,291
} Deaths	1.4	0.7	0.9	1.0
} Death rate				
(15) Acute Anterior Poliomyelitis	49	37	24	110
} Deaths	0.0	0.0	0.0	0.0
} Death Rate				
(16) Diphtheria	6	4	2	12
} Deaths	0.0	0.0	0.0	0.0
} Death rate				
(17) Typhoid	41	17	10	68
} Deaths	0.0	0.0	0.0	0.0
} Death rate				

GENERAL SANITATION

(A) **Food Sanitation** : Food sanitation comprises of control and supervision over the food premises. This control is exercised by imposing a licence under Bombay Municipal Corporation Act, as well as under the Maharashtra Prevention of Food Adulteration Rules, 1962 and by drawing regular samples of food to check adulteration. There is also a special Mobile Van for taking samples at random as a surprise check over the Food Inspectors engaged in sampling work.

(B) **Grading of Eating Houses and Bakeries** : Eating houses and Bakeries are graded as Grade I, II and III on the basis of marks secured by the Establishments for the observance of the conditions of eating house licences, special arrangements provided and general hygiene. Those who are allotted no grade are prosecuted till they either improve the conditions of their establishment or close down.

(C) **Prevention of Food Adulteration** : This includes sampling of articles of food stored, sold or exposed for sale, etc. for checking adulteration and misbranding of food, under the prevention of Food Adulteration Act, 1954. This work is being done by the Food Inspectors appointed for these purposes. There is a counter-check over the food Inspectors by a Mobile Squad provided with a van for swifter and surprise sampling Establishments of food hawkers area also licensed under the Maharashtra Prevention of Food Adulteration Rules, 1962.

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

Solid articles of food including sweets.	Liquid food	Vegetables	Fruits
Kgs.	Litres	Kgs.	Doz.
3,79,655	3,20,360	36,520	34,620

VITAL STATISTICS

Births and Birth-rate :—Live births registered during the year were 2,07,508 which were 2,913 more than for 1979 and 17,377 above average of the quinquennium 1975-1979. The birth rate was 24.8 per 1,000 population.

Death and Death-rate : 68,137 deaths were registered during the year. They were 3865 less than for 1979 and 706 above the mean mortality of the preceding 5 years. Deaths from principal causes of deaths are detailed in Table 2. Death-rate was 8.1 as against 8.9 for 1979, 20.0 per cent of the total deaths were among infants.

Infant Mortality : Deaths among infants under 1 year of age numbered 13,633 which were 1,445 more than in the preceding year and 467 less than the annual average of the quinquennium 1975-1979. The infant mortality rate was 65.7 per 1,000 live births against 73.7 in 1979. Details of infant deaths are in Tables 3 and 4. The maternal mortality numbered 97, the rate being 0.5 per 1,000 live births as against 0.7 during 1979.

CONTROL OF INFECTIOUS AND COMMUNICABLE DISEASES

Notification : Notifications of infectious diseases numbered 21,836 as against 19,595 in 1979. Of these 597 were from the medical practitioners. For details, refer Table No. 5 Immunization procedures carried out during the year are detailed in Table No. 1.

Infective Hepatitis : caused 1,846 attacks (including 125 originating in the other local areas of India) and 470 deaths.

Plague : There was no case of plague.

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 7,65,866 (including 1,79,259 Rattus Rattus and 3,00,941 Gynnoys Kok as against 6,73,703 in 1979. 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.

Small-pox : Smallpox was absent. The World Health Organization has declared Greater Bombay as an area free from smallpox from 23rd April 1977. However, preventive vaccination work was continued to be 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 a routine measures. 2,61,901 persons were inoculated against Cholera.

Influenza : It caused no deaths.

Enteric Fever : The number of notified cases viz 707 (including 11 originating in other local areas of India) was 171 less than that in 1979. Number of deaths was 68 as against 79 in 1979.

Acute Anterior Poliomyelitis : 994 cases (including 165 originating in the other local area of India) and 110 deaths were reported due to this disease.

Diphtheria : 81 cases were notified. Of these, 6 were originating in the other local areas of India. 12 cases proved fatal.

Cerebro-spinal Meningitis : No case occurred.

Tuberculosis : T. B. Control Unit continued its activities during the year. Majority of hidden cases have been brought on the register. During the year, 18208 T. B. cases were notified and deaths numbered 8291. Services of Health Visitors have been integrated with the Service of Treatment Organisers working under Assistant Health Officer (T. B.)

B. C. G. Vaccination : There are two units for B. C. G. Vaccination viz. (1) B. C. G. Technicians with one for follow up of vaccinated school children, (2) Organisation and supervision of neo-natal and children upto 14 years from private maternity institutions and areas surrounding the maternity institutions is arranged at the respective Municipal Maternity Homes.

Venereal Diseases. : Venereal diseases cases were treated at the Municipal V. D. Clinic situated at 254, J. B. Boman-Behram Marg, Bombay-8, with the latest methods of treatment after proper clinical diagnosis confirmed by modern laboratory tests, carried out at the Clinic's Laboratory. A refresher course in V. D. was conducted periodically at this clinic, for the benefit of general medical practitioners and Medical Officers *i/c* Municipal General Dispensaries. The two medico social workers helped in tracing the defaulting patients and married partners to take continued and complete treatment. Some female patients willing to be rescued were given aid in rescuing themselves through the Vigilance Branch of the Police Department. Blood samples of urethral smears sent by private Medical Practitioners for examination, were examined and they were furnished the reports confidentially free of charge. Also 23,464 samples of blood were received from the Municipal Maternity Homes & Hospitals for opinions. 28,200 male and 1354 female Venereal and Nonvenereal cases were treated. Out of 29,354 Venereal cases, 4465 were Syphilis, 4089 were Gonorrhoea and 16,415 were cases for non-syphilitic sores. On an average 1206.4 patients were treated daily at this Clinic.

Leprosy : Acworth Leprosy Hospital has 500 beds for indoor patients and conducts 10 clinics in addition to its own clinic which is well equipped with all the facilities for education, case-detection, treatment inclusive of plastic surgery. Medico-social service is also provided. 6,079 new cases were treated at the clinics the total attendance being 1,50,112. Daily average attendance numbered 386. The Corporation bears the entire cost of the out-patients. Clinic attached to this Hospital and also the additional cost on account of 48 beds for the voluntary patients. 230 beds for the resident patients committed under the Leprosy Act domiciled in Bombay. Domiciliary Service by 6 Health Visitors sulphone treatment to out-patients (Rs. 1,00,000/-) and half of the recurring expenditure and the entire cost of the hospital works such as construction etc on account of Greater Bombay Leprosy Control Scheme activities.

THE MOBILE HEALTH UNIT

The Mobile Health Unit continued to perform its following stipulated objectives from January 1980 to December 1980 as under :—

(1) **Comprehensive Health Care to the Municipal School Children—**Medical Examination of 51558 children in 1st and 3rd standards of 213 Municipal Schools allotted to this Unit by the Medical Officer (Schools) was conducted.

(2) **Control of communicable diseases :** 20,231 immunization procedures against various communicable diseases were performed (Table 12).

(3) **Health Drives and Family Planning Exhibitions :** In addition to the general health education performed through this unit simultaneously with mass immunization programme 453 health drives were carried out when 34,468 patients were examined and treated and 1,22,095 patients days treatment were dispensed.

(4) **Film Shows :** In all 229 film shows on mass health education and family planning were arranged in different localities.

VECTOR CONTROL

Potential breeding places such as wells, cisterns, overhead tanks, mill-tanks, storm water entrance and drains were checked periodically for detection and destruction of such mosquitoes. Necessary anti-mosquito treatments were rendered to these situations and such 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 : Campaign against *Aedes Aegypti* the vector for Yellow Fever and dengue disease was continued throughout the year. *Aedes Aegypti* breeding was detected on 18 occasions and *Aedes* index was 0.006% for the year under reference.

House Fly Control : For abatement of fly nuisance and to check fly borne disease, regular anti-fly measures were continued throughout the year and were intensified during monsoon months

Entomological Survey : To determine the filaria infection rate in mosquito population, regular mosquito collections were made throughout the year.

National Malaria Eradication Programme : The National Malaria Eradication Programme was started in Bombay in 1962-63. The Unit is under 'Consolidation Phase' at present. Under this programme Municipal Corporation of Greater Bombay has 3 Units viz. City, Western Suburbs and Central Suburbs. The city is covered by passive Surveillance only, whereas the Western, Central and Extended Suburbs are covered both by active and activated passive surveillance. In the active surveillance, a worker is allotted about 3000 houses twice a month and makes enquiries about fever cases. He collects blood smears from all persons suffering from fever. In the activated passive surveillance, workers are posted in Municipal and Government dispensaries and hospitals in Greater Bombay to collect blood smears from the fever cases attending Hospitals and dispensaries for treatment. The blood smears collected by the surveillance staff are examined for malaria parasites by specially trained staff in the Laboratory at Andheri. Technical guidance and material supplies are received from the Director of National Malaria Eradication Programme, Delhi, the Deputy Director, Malaria and Filaria Poona and Regional Co-ordination Officer, Baroda.

CEMETERIES

There are on the record, in all 180 cemeteries in use in Greater Bombay. Of these, 27 including the electric crematorium at Chandanwadi, are Municipal managed. The existing cemeteries in city are sufficient, excluding those for communities like Dawoodi Bohras, Jews, Khoja who do not re-use land for burial. At Municipal managed cemeteries amenities are provided at Municipal cost. At privately managed cemeteries they are to be provided by their owners/trustees. However, at six private cemeteries also, certain amenities have been provided at Municipal cost provided under Section 63(k) of the Bombay Municipal Corporation Act to avoid inconveniences to mourners.

MUNICIPAL LABORATORY

To safeguard public health, samples of various foodstuffs and samples of water from different parts of Greater Bombay were examined (Table No. 14).

	No. of samples examined	Adulterated/ Unfit samples
1) Chemical Examination	17,783	604
2) Bacteriological Examination	24,351	3997
	42,134	4601

The water samples from water supply were collected twice a day by the technical staff of the Laboratory.

The Municipal Analyst attended different courts in the City as Public Analyst in 46 cases and the other public analysts attended courts in 11 cases.

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

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 : There is only one Municipal Dhobighat at Mahalaxmi which is existing at the place since about 100 years. There are 709 wash stones for washing of clothes by dhobies.

Life Guard Service : The Sea shore of Juhu is guarded to save the lives of the persons from drowning. Life Guards are specially posted to watch the area from 6.00 A.M. to 6.00 P.M. and to guide the people not to go for swimming in the prohibited areas and to rescue those who are in danger. The Life Guards are provided with necessary life saving equipments, binoculars, etc. Similar life guard services are also available at Aksa, Marve and Erangal beaches on sundays and holidays only.

Stray Cattle : The Bombay Municipal Corporation Act was amended making provision for seizure and impounding of stray cattle with effect from 1-5-1975 and the work of seizure and impounding of stray cattle is done by this Department with effect from 1-10-1976.

Maternity and Child Welfare : The Maternity and Child Welfare Services were rendered through 22 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 1372. The number of deliveries conducted was 84,830. 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 propaganda amongst mothers. Institutional care included antenatal, post-natal, infant and pre-school age child care, follow-up work and health education by propaganda through posters, leaflets, group-talks, 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 educational experience in an urban centre to doctors, nurses and allied workers.

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 planning 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 Planning, F/South Ward Offices, Dr. Ambedkar Road, Parel, Bombay 400012.

Summary of work done :

(1) I. U. C. D. Insertions	6026
(2) Vasectomy Operations	289
(3) Tubectomy Operations	15,844
(4) No. of condoms distributed	10,49,034

KASTURBA HOSPITAL FOR INFECTIOUS DISEASES

Dr. (Smt.) R. Prabha M. D., Associate Professor of Medicine, looked after the administration work of Kasturba Hospital from 1-4-1930 to 25-6-80 and is on leave from 26-6-80.

Dr. (Smt.) S. N. Mirathe M. B. B. S., D. P. H., Dy. Medical Superintendent, Kasturba Hospital is looking after the work of Professor of Medicine in addition to her own from 26-6-80 to 31-3-81.

Admissions	19,098
Expenditure	Rs. 1,07,44,444.33

Pharmacy Department : After meeting the requirements of I. V. Fluids of the Hospital, the Pharmacy Department started to supply I. V. Fluids to Municipal Maternity Homes and other hospitals under Public Health Department. About 600 bottles are supplied daily.

Immunization Centre : 192 persons were immunized against Diphtheria, 574 against Enteric Fever, 574 against Cholera.

Mortuary : A new mortuary block with refrigeration to accommodate 36 dead bodies has been started from 25-9-1975 and autopsy room was provided in it. 220 Post-mortem examinations were done at this hospital.

Ward Laboratories : As required by the Bombay University, for recognition to house posts for post-graduate studies, two ward laboratories have been started.

Labour Ward : It was a usual practice to transfer pregnant females to general hospitals for delivery. This caused delay in attending to these patients. A labour ward with the minimum staff was, therefore, started at this hospital, from 1-8-1975. Necessary help and guidance in case of emergency is given by the Tutor on emergency duty of Gynaec and Obstetrics of B. Y. L. Nair Hospital.

Intensive Care Unit : To render prompt medical treatment to cases in acute condition requiring very prompt and intensive care, a fully equipped intensive care unit was opened at this hospital from 26-10-1975.

Paying Beds : The paying bed facility was provided to those desiring the same voluntarily.

Teaching : Instructions in Infectious Diseases were given to 881 students including undergraduates of M. B. B. S., Ayurvedic, Homeopathic and 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 Departments, Operation Theatre, Library and Medical Record Departments 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.

Free Dispensaries : New cases treated at the 150 dispensaries and 20 Mobile dispensaries and O. P. Ds. attached to Gen-Hosps. were 58,33,410 against 57,10,554 in 1979. The total attendance was 1,59,43,746, as against 1,58,88,267 in 1979.

Clinics for women and children were conducted at 4 dispensaries for two hours thrice a week. New cases treated were 1465 as against 1578 in 1979. The total attendance was 6451. These figures include visits by the Lady Doctors to patients at their homes. At the 39 maternity & Children Welfare Clinics, 2,02,531 new cases were treated. The total attendance was 6,32,514.

Municipal Eye Hospital, Kamathipura : The total number of new cases treated and total attendance at its out-patient department of this hospital was 35,239 and 1,74,572 as against 41,632 and 1,84,736 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 2617 and 20,482 respectively, as against 1980 and 19,279 respectively in 1979.

The Medico-Social Unit, established in April 1957 at Kherwadi, Bandra, by appointing a medico-social worker, in order to carry out an integrated practice of medicine based on the family and community as a Unit continued working. The medical personnel specialising in different fields of medicine and working at the Kherwadi Family and Community Health Centres, a Voluntary Social Organisation, rendered honorary service at the unit.

AMBULANCE SERVICE

(1) Fire Brigade Head Quarters, Byculla : For removal of cases of maternity and of street accidents (free) and non-infectious medical cases (on payment) within Greater Bombay Municipal limits.

(2) Ambulance Garage, Sane Guruji Marg : For infectious Diseases cases free and dead bodies (on payment) within Greater Bombay.

An ambulance is also attached to each of the Municipal Medical institutions mentioned below. It was made available to public for removal of patients within Greater Bombay Municipal limits on payment.

Place where ambulance is stationed.

- (1) Municipal Maternity Home, Mahim.
- (2) K. B. Bhabha Hospital, Bandra.
- (3) Dr. R. N. Cooper Municipal General Hospital, Juhu.
- (4) Municipal Maternity Home, Malad.
- (5) H. B. Municipal General Hospital, Borivali.
- (6) K. B. Bhabha Hospital, Kurla.
- (7) Municipal General Hospital, Rajawadi Hospital, Ghatkopar.
- (8) Diwalibai Mohanlal Maa Hospital, Chembur.
- (9) Deonar Maternity Home.
- (10) Municipal maternity Home, Bhandup.
- (11) Municipal General Hospital, Mulund (West)
- (12) Sant Muktabai Municipal G. Hospital, Barye Nagar, Ghatkopar.

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 provide adequate attention to each patient. The overcrowding in the O.P.Ds is due to the attendance of a large number of patients requiring only dispensary treatment. With a view of relieving the general hospitals of the heavy load of patients, 58 Municipal General Dispensaries were upgraded.

Health Propaganda and Education : Health Propaganda and Education such as enlightening the public about the importance of environmental sanitation and immunisation against various diseases, etc., carried out through the Public Relations Department of the Corporation.

Dr. M. N. Gurnani.
EXECUTIVE HEALTH OFFICER

TABLE I

Notifiable Diseases.	1980	
	Attacks.	Deaths.
Plague	..	..
Cholera	..	..
Small Pox	..	..
Diphtheria	.. 81	.. 12
Enteric Fever	.. 707	.. 68
Infectious Hepatitis	.. 1846	.. 470
Tuberculosis	.. 18208	.. 2291
Meningococcal Infection	..	..
Typhus	..	..
Puerperal Fever	..	..
Anterior Poliomyelitis	.. 994	.. 110
Influenza	..	..
Virus Encephalitis	..	..
Scarlet Fever	..	..
Yellow Fever	..	..
Relapsing Fever	..	..
Leprosy	..	..
Haemorrhagic Fever	..	..
Dengue Fever	..	..

Immunization		Total during 1980
Diphth Tetanus	.. 1st dose	15,376
	.. 2nd dose	83,495
	.. Booster dose	5,068
Triple	.. 1st dose	1,22,067
	.. 2nd dose	84,222
	.. 3rd dose	68,600
	.. Booster dose	36,304
Polio	.. 1st dose	1,26,774
	.. 2nd dose	86,950
	.. 3rd dose	70,028
	.. Booster	62,206
T. A. B.	..	6,95,276
Cholera	..	2,61,901
Small-pox:	.. Primary	31,894
	.. Re-vaccinations	30,029
Tetanus-toxide	.. 1st dose	5,45,284
	.. 2nd dose	75,323
	.. 3rd dose	32,089
	.. Booster dose	1,369
B. C. G. Vaccination	..	1,53,000

TABLE 2
Deaths and Death rates from Epidemic and Principal Causes 1980

Causes of Death	Average of year 1975-79		1979		1980	
	Deaths.	Death Rate	Deaths	Death Rate	Deaths	Death Rate
<i>Principal Epidemic Diseases</i>						
Smallpox	...	0.0	...	0.0	...	0.0
Measles	... 121	0.0	... 90	0.0	... 110	0.0
Plague	...	0.0	...	0.0	...	0.0
Enteric Fever	... 62	0.0	... 79	0.0	... 69	0.0
Malaria Fever	...	...	...	0.0	...	...
Influenza	...	...	...	...	...	...
Cholera	...	...	...	...	...	...
Dysentery	... 279	0.0	... 298	0.0	... 216	0.0
Diphtheria	... 36	0.0	... 10	0.0	... 12	0.0
<i>Other Principal Diseases</i>						
Tuberculosis	... 81,24	1.1	... 8,756	1.0	... 8,281	1.0
Meningococcal Infection	...	...	...	...	...	...
Diseases of nervous system.	... 1,286	0.2	... 1,737	0.2	... 1,940	0.2
Diseases of Respiratory system	... 11,213	1.5	... 10,814	1.3	... 9,672	1.2
Diarrhoea & Enteritis	... 3,895	0.5	... 4,359	0.5	... 3,351	0.4
Purperal State	... 113	0.0	... 134	0.0	... 97	0.0
Congenital Debility & Diseases of early infancy	... 6,139	0.8	... 6,390	0.8	... 5,933	0.7
Senility Without mention of psychosis	... 3,293	0.4	... 4,070	0.5	... 4,851	0.6
Violence	... 5,301	0.7	... 5,603	0.7	... 5,925	0.7
Other causes.	... 27,528	3.6	... 29,086	3.7	... 27,662	3.3
Total	.. 66,843	8.8	72,002	8.9	68,157	8.1

TABLE 3
Deaths among infants from Principal Causes by Age-periods—1980.

Age Period	Small pox.	Meas- les.	Mala- rial fever.	Diarr- hoea & enteri- ties.	Dysen- tery.	Congen- ital mal- formati- on & di- seases of early infancy.	Disea- ses of respira- tory system.	Convul- sions.	Polio- myelitis	Other causes	All causes	Percentage to the total of infant deaths.
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 7 days	60	3	3857	389	...	...	1018	5327	39.1
1 to 4 Weeks	245	8	1357	459	...	...	433	2502	18.3
Total under 4 weeks	305	11	5214	848	...	...	1451	7829	57.4
4 weeks to 6 months	2	...	878	22	608	1125	...	5	872	3512	25.8
6 months to 12 months	15	...	547	29	111	819	...	30	741	2292	16.8
Total ...	Nil	17	Nil	1730	62	5933	2792	Nil	35	3064	13633	100.0

TABLE 4
Infant mortality from Principal Causes (1975-1980).

Causes of death.	1975	1976	1977	1978	1979	1975 to 1979 (A)	1980 (B)	Difference between (A) & (B)	
Poliomyelitis	...	13	24	20	21	24	20	35	15
Smallpox
Measles	...	50	8	20	11	20	22	17	-5
Malarial Fever
Diarrhoea & Enteritis	...	1713	1925	1348	1810	2269	1813	1730	-83
Dysentery	...	44	44	64	53	68	55	62	+7
Congenital malformation and diseases of early infancy	...	5768	6562	5493	6156	6390	6074	5933	-141
Diseases of Respiratory systems	...	3701	3361	3596	2671	3101	3286	2792	-494
Convulsions	...	1	...	...	...	...	...	...	-
All causes	...	13767	14147	13999	13512	15078	14101	13633	-468

TABLE 5
Cases of Notifiable Diseases reported in 1980.

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- tious Hep- atitis	Lep- tospy	Total
A	15	3	...	...	403	...	...	...	9	...	33	...	463
B	59	8	...	...	763	...	...	...	16	...	125	...	971
C	8	1	...	...	562	...	...	...	6	...	27	...	604
D	51	6	...	...	619	...	...	...	34	...	110	...	820
E	178	13	...	...	1,680	...	...	...	62	...	282	...	2,215
F	127	9	...	...	2,636	...	...	...	101	...	253	...	3,126
G	172	17	...	...	2,905	...	...	...	108	...	267	...	3,469
H	20	4	...	...	1,535	...	...	...	57	...	82	...	1,698
K	14	5	...	...	1,125	...	...	...	70	...	82	...	1,296
L	9	2	...	...	3,106	...	...	...	51	...	81	...	3,249
M	5	3	...	...	746	...	...	...	65	...	128	...	947
N	17	1	...	...	364	...	...	...	123	...	121	...	626
P	12	2	...	...	1,045	...	...	...	58	...	57	...	1,174
R	6	...	...	...	315	...	...	...	51	...	44	...	416
T	3	1	...	...	404	...	...	...	18	...	29	...	455
Imported Cases.	11	6	...	...	...	...	...	...	165	...	125	...	307
TOTAL:—	707	81	...	...	18,208	...	...	...	994	...	1,846	...	21,828 ^a

TABLE 6
NATIONAL MALARIA ERADICATION PROGRAMME.

Area.	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.	Complete	Partial	Induced	Imported	Relapse	Indigenous	Not treated	
1 Active—																		
City	943	943	943	943	...	152	148	2	...	2	137	13	...	48	...	102	2	
Suburbs	12,502	12,502	12,502	12,502	...	52	43	9	...	...	44	6	...	27	...	23	2
Extended Suburbs	7,760	7,760	7,760	7,760	...	22	20	2	...	...	16	6	...	8	...	14	...
Total	21,205	21,205	21,205	21,205	...	226	211	13	...	2	197	25	...	83	...	139	4	
2 Passive—																		
City	1,51,146	1,51,146	1,51,146	1,51,146	...	997	944	50	...	3	583	185	...	567	...	201	229	
Suburbs	1,07,652	1,07,652	1,07,652	1,07,652	...	321	294	26	...	1	221	38	...	201	...	58	62	
Extended Suburbs	80,321	80,321	80,321	80,321	...	246	226	19	...	1	172	8	...	119	...	61	66	
Total	3,39,119	3,39,119	3,39,119	3,39,119	...	1,564	1,464	95	...	5	976	231	...	887	...	320	357	
3 Mass—																		
City	14,274	14,274	14,274	14,274	...	169	154	15	...	...	157	10	...	50	...	117	2
Suburbs	29,733	29,733	29,733	29,733	...	9	5	4	...	...	9	...	...	3	...	6	...
Extended Suburbs	8,255	8,255	8,255	8,255	...	3	3	...	...	...	3	...	...	...	...	3	...
Total	52,262	52,252	52,262	52,252	...	181	162	19	...	...	169	10	...	53	...	126	2

TABLE 7

*Ward-wise Malaria Positive cases with the species and classification.
for the year 1980.*

Ward	No. of positive cases	Malaria Parasites				Classification			
		V.	F.	M.	Mixed	Imported	Indigenous	Untraced	Unreated**
A	543	521	21	...	1	204	294	18	27
B	34	33	1	...	...	21	5	5	3
C	7	7	...	...	...	5	1	1	...
D	84	75	9	...	...	42	23	12	7
E	245	231	12	...	2	157	25	37	26
F	204	192	12	...	...	127	30	38	9
G	202	191	10	...	1	101	41	43	17
H	73	64	9	...	...	47	10	9	7
K	67	63	4	...	...	41	8	9	9
L	46	43	3	...	...	28	7	5	6
M	64	59	4	...	1	33	14	15	2
N	70	61	8	...	1	34	24	5	7
P	92	85	6	...	1	67	13	7	5
R	150	127	23	...	...	77	56	10	7
T	90	85	5	...	...	39	34	11	6
Total	1,971	1,837	127	...	7	1,023	585	225	138

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

** These cases remained to be treated as they left Bombay before administering Radical Treatment. Malaria Officers concerned of the unit were informed accordingly to give radical treatment.

TABLE 8

at Kasturba Hospital, Sane Guruji Marg, Bombay 4000-11.

Month	Small Pox.	Chicken Pox.	Measles	Mumps	Anterior Polio Myelitis	Infective Hepatitis.	Influenza	Cholera	Diarrhoea & Vomiting due to Gastro enteritis.	Plague	Diphtheria.	Enteric Fever.	C. S. Fever.	Typhus Fever.	Erysipelas.	B. 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	24
January	..	122	59	32	48	213	..	..	186	..	12	28	..	..	..	2	5	...	585	1,292	1,247	45	390
February	..	151	61	15	36	117	..	..	126	..	13	12	..	..	..	..	3	1	467	1,002	953	49	304
March	..	614	101	32	43	111	..	..	195	..	10	15	..	..	..	4	3	3	641	1,772	1,723	49	452
April	..	369	163	36	73	141	..	..	203	..	5	68	..	..	..	1	2	...	502	1,563	1,502	61	484
May	..	113	119	19	90	178	..	..	228	..	1	64	..	..	..	5	...	2	709	1,528	1,463	65	451
June	..	51	56	12	114	152	..	..	303	..	3	92	..	..	..	25	1	17	655	1,490	1,417	73	446
July	..	37	69	10	205	185	..	..	565	..	5	169	..	..	..	60	8	2	1,248	2,563	2,479	84	635
August	..	27	51	6	155	243	..	..	383	..	2	79	..	..	..	26	3	...	856	1,831	1,744	87	565
September	..	34	64	14	101	180	..	..	261	..	3	54	..	..	..	5	9	...	998	1,723	1,634	89	506
October	..	37	33	18	66	123	..	..	215	..	11	37	..	..	..	1	11	...	861	1,453	1,398	55	410
November	..	55	111	15	35	110	..	..	190	..	2	34	..	..	..	2	11	3	851	1,420	1,376	44	430
December	..	98	132	38	28	88	..	..	183	..	14	54	..	..	..	2	31	...	793	1,461	1,426	35	368
Total	..	1,708	1,059	247	994	1,841	..	..	3,038	..	81	706	—	..	..	133	87	28	9,176	19,098	18,362	736	455

TABLE 9.

Admissions from 1977 to 1980 at the Kasturba Hospital for Infectious Diseases.

Year	Small Pox	Chicken Pox	Measles	Mumps	C. S. Fever.	Diphtheria.	Influenza	Whooping Cough.	Erysipelas	Enteric Fever	B. Dysentery	A. Dysentery	Cholera	Plague	Typhus Fever	Diarrhoea and Vomiting due to Gastroenteritis.	Anterior Polio-myelitis.	Infective Hepatitis.	Other Diseases	Total	Deaths.	Discharge.	Daily Average No. of patients.
1977	...	1,911	711	193	3	256	...	4	...	371	106	212	...	...	...	4,016	629	1,365	8,325	18,092	624	17,468	414
1978	...	2,335	1,020	333	2	195	...	3	...	1,500	32	49	...	...	...	3,990	731	4,424	10,187	24,801	1,194	23,698	667
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	9,176	19,098	736	18,362	455

TABLE 10

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

Particulars	Year			
	1977	1978	1979	1980
	Rs.	Rs.	Rs.	Rs.
Drugs, Dressings & Disinfectants ..	32.06	29.47	23.31	28.56
Diet. ..	31.36	31.36	18.76	37.17
Clothings ..	4.06	3.50	4.41	10.64
Stores ..	4.62	5.88	8.96	45.50
Total cost per patient per week ..	72.10	70.21	55.44	121.87
Total No. of patients treated : ...	18,092	24,081	21,584	19,098

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. ..	5.31	Nil
Stores and Linen ..	6.50	0.30
Drugs, Dressings Disinfectants etc. ..	4.08	1.75
Lighting, Miscellaneous etc. ..	1.94	0.19
Repairs. ..	0.53	0.15
Establishment ..	44.10	0.61
Total ..	62.46	3.00

TABLE 12

Immunizations, done By Mobile Health Unit in 1980.

	Immunizations		
	In School	In field.	Total
Dip. Tetanus			
1st dose ..	Nil	316	316
2nd dose ..	...	532	352
Triple :			
1st dose ..	..	3,595	3,595
2nd dose ..	..	2,709	2,709
3rd dose ..	..	1,943	1,943
Booster : dose ..	..	948	948
Polio :			
1st dose ..	..	3,595	3,595
2nd dose ..	..	2,709	2,709
3rd dose ..	..	1,943	1,943
Booster : dose ..	..	948	948
T. A. B. ..	Nil	..	..
Cholera ..	Nil	..	..
Small Pox ..	Nil	..	..
T. T. ..	Nil	993	993
Total ..	...	20,231	20,231
No. of patients treated in health drives :—	..	34,408	..
Total No. of patients day's of treatment in health drives :—	..	1,22,095	..

TABLE 13

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

	Kherashaji Behramji Bhabha Hospital, Bandra.	Municipal General Hospital Santacruz	Dr. R. N. Cooper Municipal General Hospital Juhu, Vileparle	Khan Bahadur H. K. Bhabha Hospital, Kurla.	Diwalibai Mohanlal (M. A. A.) Hospital, Chembur.	V. C. Gandhi & Seth M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar.	Sant Muktabai General Hospital Vikhroli	Municipal General Hospital, Haji Bapu Road, 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											
<i>Accommodation of Beds Ward-wise—</i>																						
Children Ward ...	32	14	80	32	20	76	20	25	35	33	20											
General Male Ward ...	32	30	80	40	19	40	30	20	65	40	30											
General Female Ward ...	32	30	140	40	19	36	20	20	35	37	30											
Maternity Ward ...	65	20	120	60	...	121	30	25	50	...	20											
Septic & Gynac Ward ...	25	10	100	6	12	60	...	20	25	18	10											
Others ...	18	30	...	...	...	243	...	...	90	...	...									
Total No. of Beds...	204	134	520	178	70	566	100	110	300	128	100											
	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.	Annual Atten- deance.	Daily Avera- ge.
In-patients ...	62,897	172	51,830	142	2,58,028	690	61,410	183	22,320	62	1,72,100	473	5,721	85	2,52,577	692	1,09,020	297	39,409	108	2,651	7
Surgical Operations ...	11,772	39	5,044	17	25,145	30	4,544	25	3,354	12	14,807	49	654	10	844	12	8,890	57	4,955	16	1,737	16
	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance
O. P. D.	186849	839094	114755	371950	349867	931793	180887	811729	133383	551646	211556	...	70313	281836	61528	252577	158641	475923	102428	572140	73816	252216
In-patients remained on 31-12-1979	167	...	133	...	540	...	176	...	49	...	485	...	80	...	103	...	329	...	110	...	50	...
Admitted in 1980	11794	...	8628	...	37662	...	13294	...	3156	...	32307	...	3390	...	7412	...	19477	...	5049	...	2651	...
Total No. of patients treated in 1980	62897	...	51830	...	258028	...	61410	...	22320	...	172100	...	5721	...	252577	...	109020	...	39409	...	2651	...
Discharged Cured ...	...	...	7243	...	35140	...	12140	...	2869	...	2387	...	...	...	6733	...	17340	...	4712	...	1587	...
Otherwise	11245	...	1011	...	320	...	12780	...	94	...	29920	...	...	...	133	...	1258	...	224	...	827	...
Died	149	...	223	...	1993	...	318	...	114	...	1666	...	45	...	163	...	879	...	223	...	118	...
In-patients remaining on 31-12-1980	486	...	151	...	582	...	169	...	53	...	485	...	79	...	103	...	339	...	106	...	45	...
Daily Average	161	...	142	...	125	...	185	...	62	...	472	...	9	...	692	...	253	...	108	...	1245	...
	Total Cost	Cost Per pt.	Total Cost	Cost percent	Total Cost	Cost percent	Total Cost	Cost percent.	Total Cost	Cost percent.	Total Cost	Cost percent.	Total Cost	Cost percent	Total Cost	Cost percent	Total Cost	Cost percent	Total Cost	Cost percent	Total Cost	Cost Per pt.
Expenditure.	65,01,048	58.40	50,05,190	38.11	1,02,97,588	48.68	1,28,60,560	46.05	24,70,800	58.50	1,38,96,964	53.83	57,56,128	38.69	32,87,328	62.00	1,19,52,080	41.40	33,46,428	29.90	29,61,093	31.25

TABLE 15

Ward-wise total Confinements in institutions in Greater Bombay doing Maternity Work during 1979.

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...	17	8	8	58	17	30	14	35	13	12	31	29	27	9	23	21	16	24	35	7	24	458
(2) Total No. of Beds...	2,530	258	224	1,853	2,799	1,469	2,540	574	777	320	626	907	1,237	256	418	829	237	689	980	210	327	20,058
(3) No. of Mat. Beds ...	532	180	110	698	550	394	500	331	749	130	343	593	450	125	236	337	176	282	514	100	252	7,582
(4) Live Births ...	8,587	4,635	1,827	10,690	14,412	13,364	17,490	7,810	8,824	7,280	9,983	6,660	13,312	8,397	10,918	15,590	6,340	8,870	13,765	7,304	9,782	2,05,840
(5) Still Births ...	237	120	63	251	385	315	413	109	128	160	151	93	354	197	214	342	120	245	361	117	158	4,533
(6) Total Confinements-...	8,822 (2T)	4,754 (1T)	1,890	10,938 (3T)	14,791 (6T)	13,668 (11T)	17,903	7,919	8,934 (18T)	7,440	10,130 (4 T)	6,753	13,660 (6T)	8,594	11,132	15,932	6,460	3,112 (3T)	14,126	7,421	9,940	2,10,319 (54T)
(7) Deaths among Mothers	12	6	2	13	29	8	18	1	...	...	4	2	18	5	3	10	3	4	5	1	4	148
(8) Neo-Natal Vaccinations against Small-Pox ...	2,895	129	108	752	6,053	190	928	520	1,934	1,304	2,412	504	211	2,594	110	91	210	411	717	530	210	22,813
(9) B.C.G. Vaccination ...	7,546	1,382	1068	9,662	15,212	10,139	12,490	3,024	4,036	5,540	4,507	298	14,460	7,304	5,626	2,911	2,533	4,928	8,691	3,300	4,500	1,29,227

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

HOSPITAL :

I.— Expenditure—

	Rs.
(A) On In-patients.	4,16,75,160
On Out-patients	96,66,154
(B) Average cost per—	
(i) In-patient per day.	63.12
(ii) In-patient admission	776.76
(iii) Out-patient attendance	10.77
(iv) Out-patient admission	26.15

II.— Results—

(A) 1. Schedule Bed Strength	1,595
2. Daily Average in-Patient in Wards	1,672
3. Admissions including those brought over from the previous year 1979.	55,80
4. Patients discharged	49,637
(i) As cured	40,176
(ii) Otherwise	9,461
(iii) Expired	4,149
(iv) Remained in the Hospital on the last day of the year.	1,594
5. Average stay of in-patients (in days)	11.37
(B) 1. New Out-patients attendance	3,69,568
2. Daily average of Out-patient (New)	1,013
3. Out Patients (New and Old)	8,96,697
4. Daily average of out-patients attendance (New & Old)	2,457
5. Casualty attendance (Medico-legal)	19,460
(C) 1. Operations-In-patients	29,792
Out-patients	23,901
(D) CONFINEMENTS	
1. Booked cases	4,127
2. Emergency Cases	448
3. Normal	4,215
4. Abnormal	598
5. Neonatal & Maternal Deaths	
(1) Maternal Deaths	16
(2) Neonatal Deaths	70
(3) Still Births	144
(4) Premature live Born Infants	168

III.— Specialised Treatments—

1. Artificial Kidney Department—	
(i) Peritoneal Dialysis	207
(ii) Haemodialysis	1,071
2. I. C. C. U. Ward	
(i) Number of admissions	621
(ii) Resuscitation from Cardiac Arrest. . . . .	..
3. Open Heart Surgery.	417
Other Heart Operations.	657
4. Neurosurgery—	
(i) Operations	847
(ii) Radiological investigations	2,861
5. Sterilisations—	
Male	49
Female	1,250

IV.— Radiology—

1. X-Ray taken at—	
(i) Hospital	77,855
(ii) C. V. T. C.	10,460
(iii) Orthopaedic Centre	29,757
2. Diagnostic Radiology	1,079
3. Neuro-Radiology	2,848

V.— Blood Bank—

1. Number of Blood samples collected from—	
(i) Voluntary Donors	6,696
(ii) Relative Donors	3,864
(iii) Other Hospitals	2,485
2. Number of bottles supplied	17,602
3. Total number of grouping & cross matching	13,162
4. Total number of cut-door bleeding sessions	92

Blood Utilization

1. To K. E. M. Hospital	11,190
2. To other hospitals (Municipal, Public & Other hospitals)	1,345

VI.—School Clinic—

1. School Children treated—	
(i) New	2,361
(ii) Repeated	16,818
(iii) Referred	492
2. Total Expenditure on Clinic	1,48,000.00

VII.—Physio Therapy—

(i) Attendance at the Centre—	
Out-patients	23,442
In-Patients	2,79,091
(ii) Treatment given to—	
Out-patients	80,198
In-Patients	1,98,893
(iii) Students admitted during the year	40
(iv) Students in the School	147
(v) Students graduated during the year	4

VIII.—Occupational Therapy—

(A) Patients treated at the Centre	12,894
Treatment given	1,86,409
(B) (i) Students admitted in the School during the year	40
(ii) Number of students in the School	95
(iii) Students graduated during the year	8

COLLEGE :

(i) Total expenditure on Hostel	Rs. 1,80,000.00
(ii) Revenue from Tuition Fees, Hostel Rent and Miscellaneous Receipts.	Rs. 4,03,956.55
(iii) Revenue from Post-Graduate Fees	Rs. 1,15,660.00

I.—Students—

	Male	Female	Total
(A) (i) Undergraduate Students			
1. 1st M. B., B. S.	110	50	160
2. 1st M. B., B. S. (Casual)	10	2	12
3. IInd M. B., B. S.	220	116	336
4. IIInd M. B., B. S.	179	79	258
5. 3rd M. B., B. S. (Casual)	37	2	39
6. Intern	134	41	175
7. B. Sc. (O. T.)	11	99	110
8. B. Sc. (P. T.)	5	114	119
Total	706	503	1,209
9. Post-graduate students including research students.	434	183	517
	5	11	16
Grand Total	1,145	697	1,842
(B) Occupation of parents or Guardians—			
(i) Service			76
(ii) Medical Profession			24
(iii) Legal Profession			3
(iv) Misc. occupations			49
(v) Engineering			8

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.)

From 18-1-1980 onwards.

Educational Programme : 160 candidates including 49 students from backward Communities were admitted to the M. B., B. S. Course during the year under report. Post graduate courses were conducted for M.D.,/D.M., M.S./M. Ch., D.A., D.V.D., D.P.M. D.P.H., D.M.R., D.M.L.T., M.Sc. (Biochemistry), M.Sc. (Animal-Physiology), M.Sc. (Microbiology) Ph. D. on the lines of previous year.

Hostels : There are three hostels attached to the Seth G.S. Medical College. Male Students Hostel in the College premises has 148 rooms. Ladies Students Hostel has 36 rooms and Male Students Hostel situated at Na'gaum has 56 rooms. All the rooms were fully occupied during the year. All the modern amenities have been provided at these hostels.

Research Activities : Research Projects in collaboration with the Department of Medicine, Artificial Kidney Department & Tetanus Unit (Some of them are under I.C.M.R.) are being continued at the E.C.I. Institute of Electrophysiology. Research papers dealing with Clinical problems and of fundamental nature were presented at the various conferences, both national and international.

Library : The facility of library has been provided for the undergraduate postgraduate and research students of this college and hospital staff. The research students for other colleges are also allowed to read in the library after proper identification. In order to meet the shortage of space a gallery was constructed during the current year on which slotted angle racks are provided. A library building with ground and 3 upper floors is under construction will be completed by Jan. 1982.

Gymkhana Activities : The Gymkhana Activities for the year 1980-81 commenced from 1st March 1980. The Highlights of Activities in various Departments which functioned till 28th Feb. 1981 is as follows :

General Secretary : Instituted the Food Handler's O. P. D. to inspect the canteen workers & treat them.

Treasurer : Approximately Rs. 64,000 were used for the various Gymkhana Activities (Barring college Week) Through the year about 180 attractive T-Shirts were brought.

Vol-Gym : Many new events like Karathe, Cycling were introduced this year in the college.

Cricket : Our college participated in many intermedical tournaments. Even at all India level.

Hockey : We were runners up in the Terry Fernandes Memorial, Hockey tournaments this year.

Wall Paper & Magazine : New edition called 'Breech' was brought out during college week every day.

Reading Room & Debating : Our college won many prizes at all levels in Elocutions & Debates as usual.

Hiking : Rock climbing course was organised this year.

Badminton : The Department functioned efficiently like every year.

Tennis : The Department was equipped with a new net this year.

Indoor Games : Our college conducted the Inter Medical tourney and also participated in the all India Inter Medical at Delhi.

Football : The college team participated in quite, a number of tournaments this year.

Culture : The highlight of this department was that a number of latest Hindi films in colour were screened this year in the college campus. The college week with a budget of approximately Rs. 90,000 was a Grand Affair.

1. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE

The department of Preventive and Social Medicine has now completed Twenty one and a half years. A large number of extramural activities in community health have been continued year 1980.

Dr. D.N. Pai, In-charge of Internship Programme for Seth G.S. Medical College assisted by Dr. K.P. Kolhatkar Dr. B.E. Daniei, and Dr. Deshpande.

Public Health : Internship has two components Urban Internship and rural Internship.

Urban Internship : Comprehensive Health Care cum-Family Planning Programme all-over Bombay slum areas, Municipal Schools and communities are covered by Medical Office, Preventive and Social Medicine Teachers and Interns for Medical Care, Immunisation, Health Education, and Family Planning Various Health drives film shows, other Mass communication programmes, etc. are arranged.

Malvani Slum : is adopted by K.E.M. Hospital and this department for comprehensive, health care, immunization, nutrition, Mid-day meal programme, nutrition education, health education family planning, referral services, etc., and as a training placement for medical interns in semi-rural setting

Family Planning Programme : Interns are placed for training in family planning hospital.

Rural Health Internship : Interns are placed at Karjat, Mangaon, Poynad at Raigad District, Pahur at Jalgaon District, Rana'a at Dhulia District, Vani at Nasik District, Primary Health Centres for training in community Health in rural environment. Family Health Clinic and Family Health Centre and Under 5 Clinics are run to give full medical check up to patients and laboratory investigations (blood, stool, sputum, semen) are regularly being done by Dr. D.N. Pai, Dr. K. P. Kolhatkar Dr. Jasawala, Dr. Kulkarni.

Family Health Centre & Family Planning Centre F/South Parel :

Professor & Head of the Department is in charge of the Centre, assisted by Asstt. Prof., Tutors, Registrars, Interns, Medico-Social Workers, and Laboratory staff.

Activities : 150-200 patients are taking advantages of health facilities of the centre per day.

Concerned staff goes to the house, understands the physical and socioeconomic environment of the Family & brings the family to the centre for comprehensive health care.

Children from 0-5 are immunised against Diphtheria, Tetanus, Whooping cough & Polio Primary & Booster doses. Adults are immunised against Tetanus, Typhoid & Cholera.

Health Film shows are shown once or twice a week.

Patients treated	..	..	..	..	..	47,083
Laboratory Investigations	..	..	..	..	..	19,818
Health Centre Malvani :						
Patients treated	..	..	..	..	..	1,02,683
Immunization to Children	..	..	..	..	..	9,240
Lab. Investigations	..	..	..	..	..	2,784
Occupational Therapy	..	..	..	..	..	246
Family Health Clinic	..	..	..	..	..	4,928

3. DEPARTMENT OF BIOCHEMISTRY AND NUTRITION

The department is mainly concerned with Undergraduate training, Post-graduate training for M.Sc., students by papers and research for Ph.D. The University result of these students is as under :—

Undergraduate Training					Appeared	Passed	Percentage
April 1980	...	...	...	...	31	30	96.60
November 1980	...	...	...	...	162	149	91.97

Postgraduate (M.Sc. Part II)				Appeared	1st Class	IIInd Class	Pass Class	Percentage
April 1980	...	...	...	12	3	8	1	100
(Ncv. 1980)	..	..	..	..	..	..	..	...

DEPARTMENT OF ANAESTHESIOLOGY

The Department of Anesthesiology continued to give Anesthesia and Resuscitation services as reflected in the number of operations carried out in various operation theatres. Department managed services at Dr. R. N. Cooper Hospital, Juhu & Municipal Hospital at Malad. In respiratory care Ward 238 critically ill patients were treated with 210 survival.

Anesthesia O. P. D. continued to work smoothly & over 7,000 patients were examined.

In pain clinic about 380 patients were treated with very encouraging results.

The following new equipments were acquired during the year :

- (1) Servo Ventilator
- (2) Sur Ventilator
- (3) AVL Blood Gas Analyser
- (4) BPL Cardioscope with defibrillator

All above are working satisfactorily.

Services at various Laparoscopic Camps were provided. At Malwani Rural health centre anesthesia services were provided.

ARTIST SECTION

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

(1) Patients Photographs	..	..	..	..	..	5,097
(2) X-rays exposed	..	..	..	..	..	3,982
(3) Specimen & Photomicrographs exposed	..	..	..	..	..	979
(4) Book Copping etc.	..	..	..	..	..	11,065
(5) Preparing of graphs, charts, drawings etc.	..	..	..	..	..	1,885
(6) Functions photographs	..	..	..	..	..	73
(7) Nurses Photographs	..	..	..	..	..	123
(8) Slides prepared	....	..	..	..	..	18,961
(9) Prints prepared	..	..	..	..	..	4,572

DEPARTMENT OF PHYSIOLOGY

During the year 1980-81, 160 new students were admitted to Ist M. B. B. S., Class in July 1980. Regular classes in practicals & Theory for the under-graduate students were started from July 1980.

Separate classes in theory & practicals were held for Occupational & Physiotherapy students and theory classes for Nurses, in addition to regular classes for undergraduates. Instructions and guidance was given to post-graduates students for M. D. (Human Physiology) & M. Sc. (Animal Physiology).

Department has started training the students of post diploma courses in Medical electronics from September 1980, special lectures and demonstrations were conducted for these students.

8. MEDICAL RECORD DEPARTMENT

The scheduled bed strength during the year was 1,595. There was constant over crowding in the Hospital, particularly in the Children wards and in the Female Surgical and Medical wards, even after strict scrutiny and restrictions on routine admissions.

Death Classified : Out of 4,149 deaths, 757 die within 24 hours of admission, 682 after 24 hours but within 72 hours of admission and 2,710 after 3 days or more from the date of Admission. The figures are exclusive of 212 still births, Prematurity and Neonatal deaths. Death rate was 7.71 as against 8.26 during the last year.

Confinement and Abortions : The total number of confinement was 5,052 and that of Abortion was 1,192 (including M.T.P. also).

Medico Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 597 Medico-Legal Cases. as follows :—

Lower Court : 422, session Court : 76, Coroners Court : 5, M.A.C.T. : Labour Court : 8

Depositions : During the year 842 depositions were filed in the Coroner's Court.

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

Under Treatment	...	...	...	...	...	5,237
Opinion and Fitness	...	...	...	...	...	6,834
Compensation	...	...	...	...	...	154
Insurance	...	...	...	...	...	118
Injury	...	...	...	...	...	135
Injury to Police (Free)	...	...	...	...	...	1,636
Municipal Staff	...	...	...	...	...	3,033

The work of statistical record of out-patient Department and Admission and discharge data of Indoor patients was taken on computer by Data Processing Section of the Corporation, on trial basis as a pilot project. From the data fed to the Computer Section we are getting various informations like alphabetical index, diagnostics index, operation index etc., and any other statistical information. The pilot project is now completed and other hospitals are requested to take-up their work on computer.

Anti Rabic Vaccination given during the year :

New	Old	Total
7,429	21,996	29,425

SOCIAL SERVICE DEPARTMENT

The Social Service Department of K. E. M. Hospital was started in September 1954. There are at present 15 Social Workers working in the above mentioned department of the hospital. The following are the notable activities of the Social Service Department in addition to the routine activities.

(1) Library for the patients is continued this year also with the help of donations received from the Bombay Harbour Jaycees.

(2) The teaching programmes for the bed ridden Children continued this year also with the help of donation received from the Lions Club of Chembur.

(3) Arranged donations for Protinex & Providal for very poor patients through Bombay Harbour Jaycees.

(4) Free food to patients relatives, Milk powder to the Poor T. B. patients and old clothes helped through Sanjivani Trust.

Donations in the form of medicines, applicances, food grain etc. have been collected from various charitable organisations e. g. Lions Club, Shree Narayan Seva Mandal, Vishva Hindu Parishad, Sanjivani Trust, Hindu relief Committee, Dhanvantraï Charitable Trust & Hamdardi Mandir.

Medical & Material aid	..	..	..	..	..	3379
Social Data	..	..	..	..	..	260
Case Work	..	..	..	..	..	542
Rehabilitation	..	..	..	..	..	177
Referred patients, relatives to organised home treatment clinic for X-Rays & B. C. G. Vaccination	..	..	..	..	..	300
Arranged for discharge of ward patients	..	..	..	..	..	122
Referred to other agencies	..	..	..	..	..	254
					Total	5034

SETH DHURMAL BAJAJ ORTHOPAEDIC CENTRE & RESEARCH INSTITUTE

New 200 M.A. X-ray machine is being installed. This will go a long way to help in decongesting the crowding in O. P. D. High caliber Surgery like correction of scoliotic deformity by Harrinton Instrumentation, total hip replacement, radical excision of malignant tumours with reconstruction on anterior clearance of tuberculosis of spine and decompression of spinal cord in paraplegics are being done in addition to excellent fracture service. There also has been an attempt in reimplanting of an amputated limb with the help of vascular surgeon.

The department has 240 official beds for Indoor patient care and its clinical work has been divided into four units with sixty beds each.

The following operations performed during the year 1980

(i) Routine Operations	Major 1,749	Minor 3,834
(ii) Emergency Operations	Major 1,982	Minor 5,061

GYNAECOLOGY AND OBSTETRIC DEPARTMENT

Obstetrics Cases & Operations :

Total No. of Confinements	..	..	..	..	5,052
Booked Cases	..	..	..	..	4,127
Emergency Cases	..	..	..	..	448
Full Term Normal Deliveries	..	..	..	..	4,215
Premature	..	Still born	..	..	24
		Live born	..	..	336

Abnormal Deliveries :

(A) Abnormal Presentations-	..	..	..	..
—Face	..	..	..	..	26
—Brow	..	..	..	..	2
—Breech	..	..	..	..	75
(B) L. Seg. Caesarian Section.	..	..	..	..	246
(C) Forceps Deliveries	..	..	..	..	160
(D) Vacuum Ext.	..	..	..	..	35
(E) Twins	..	..	..	..	39
(F) Cord Present/Prolapse	..	..	..	..	11
Placenta Preasvia	..	..	..	..	1
Accidental Haemorrhage..	..	..	..	..	3

Abortions	Ist Trimester	+IInd Trimester	
Spontaneous	113
M. T. P.	1,079

Deaths

Neonatal Deaths in full term babies	..	..	..	16
in premature babies	..	..	..	54
Maternal Deaths	..	..	..	16
Still births	..	..in full term	..	144
		in full term+premature	..	168
Foetal Malformations	..	..	..	24

Maternal Abnormalities :

Texaemia of pregnancy	..	..	..	6
Heart disease with pregnancy	..	..	..	16
Jaundice	..	..	..	2
Previous L. S. C. S.	..	..	..	54
B. O. H. P. with Pregnancy	..	..	..	57
Eclampsia	..	..	..	17
Pre-eclampsia	..	..	..	167

Gynaec Cases and Operation :

Total No. of Admissions	..	..	..	..	..	..	1,071
D. & C.	..	..	..	..	..	..	38
Vag. Hysterectomy	..	..	..	..	..	..	483
Abd. Hysterectomy	..	..	..	..	..	..	114
Expl. Laparotomy	..	..	..	..	..	..	69
Forthergills	..	..	..	..	..	..	27
V. V. F.	..	..	..	..	..	..	4
Wertheims	..	..	..	..	..	..	22
Mayowards Hysterectomy	..	..	..	..	..	..	75
Cervicopexy	..	..	..	..	..	..	19
A. P. Repairs	..	..	..	..	..	..	18
Tuboplasty	..	..	..	..	..	..	16
Perineal tear Repair	..	..	..	..	..	..	2
Myomectomy	..	..	..	..	..	..	12
Gone Biopsy	..	..	..	..	..	..	3
Vault Prolapse	..	..	..	..	..	..	3
Schauta's Hysterectomy	..	..	..	..	..	..	4
Le. Forts Operations	..	..	..	..	..	..	4
R. V. F.	..	..	..	..	..	..	3
Ovarian Cystectomy	..	..	..	..	..	..	6
Hymenectomy	..	..	..	..	..	..	1
Gauterization of Ex.	..	..	..	..	..	..	1
E. U. A.	..	..	..	..	..	..	2
Sterilisation	..	..	..	..	..	..	2
Laparoscopy	..	..	..	..	..	..	35
Gervical Biopsy	..	..	..	..	..	..	2
Kelly's Stich	..	..	..	..	..	..	5
Abd. Cervicopexy	..	..	..	..	..	..	10
Loop Removal	..	..	..	..	..	..	1
Hysterectomy	..	..	..	..	..	..	17
Examination	..	..	..	..	..	..	2
T. O. Mass removal	..	..	..	..	..	..	4
Incisional hernia	..	..	..	..	..	..	4
Tighting of O. S.	..	..	..	..	..	..	4
Vag. Hyst. A. P. Repair	..	..	..	..	..	..	19
Miscell	..	..	..	..	..	..	63

Cytopathology Department :

Cytology Gynaec O. P. D. , Antenatal, Family Planning, Miscellaneous	..	..	..	..	..	..	17,709
Fluid Cytology	..	..	..	..	..	..	156
Aspiration of Tumour	..	..	..	..	..	..	245
Endometrial aspiration	..	..	..	..	..	..	244
Gastroscopic Brush Biopsies	..	..	..	..	..	..	65
Abnormal Cytology :	..	..	..	..	..	..	140
Histology	..	..	..	..	..	..	1,030
Follow-up	..	..	..	..	..	..	90%
Correlation between cytology and Histology	..	..	..	..	..	..	94%

High Risk Pregnancy Clinic :

The Special High Risk Pregnancy Clinic is run four times a week between 9-00 am. to 12-00 noon.

Monday	: for Rh-ve patients.
Tuesday	: Bad Obstetrics patients.
Thursday	: Diabetic Pregnancy.
Friday	: Hypertensive disorder in pregnancy.

The new patients registered and followed up in the clinic were :

Rh-ve	..	..	..	..	..	..	..	176
B. O. H.	..	..	..	..	..	..	..	180
Diabetic	..	..	..	..	..	..	..	6
Hypertensive	..	..	..	..	..	..	..	13
V. D. R. L.	..	..	..	..	..	..	..	4

The present Projects and services are :—

- (1) Injection Rh gama globulin in Rh-ve cases for prevention of immunisation.
- (2) Hyperesalphingography in non-pregnancy BOH Women.
- (3) Foetal maturity studies.
- (4) Prophylactic arlidin for BOH cases.
- (5) Serial urinary total oestrogens estimation for all H. R. P. cases.
- (6) Oxytocinase levels in maternal serum for all HRP cases.

Dr. N. A. Purandare Research Centre :**I—Serology :**

Investigations including Blood Group Rh, VDRL, Antibodies, cord blood for D.C.T. Jaundice cases Hb and S. Bilirubin Hb. Estimation etc. 19,362

II—Microbiology :

Trichononiasic, Moniliasis Screening	..	..	..	..	..	1,826
Culture of Hemolytic Organism	..	..	..	..	..	56
Culture of Anaerobic Organism	..	..	..	..	..	78

III—Biochemical :

Investigation including Blood Sugar, G. T. C., Creatinine, B. U. N. Liver function test, Fibrinogen, Protein 11,035

IV—Hormones Routine :

C. G. Hormons Test	..	..	..	..	..	53
Estrogen and Creatinine in H. R. P.	..	..	..	..	..	960
17 Ketosteroids in Gynaec Disorder	..	..	..	..	..	89

Special Studies :

Semen Analysis	..	..	..	..	..	1,260
Spormagglutinia Study in Sterility cases	..	..	..	..	..	173
Bar Bodies in Endocrine patients	..	..	..	..	..	89

Endocrine O. P. D. :

Total No. of New Cases	..	..	..	..	..	304
Primary Amenorrhoea	..	..	..	..	..	41
Secondary Amenorrhoea	..	..	..	..	..	89
Oligomenorrhoea	..	..	..	..	..	79
Hypomenorrhoea	..	..	..	..	..	3
Polymenorrhoea	..	..	..	..	..	5
Menorrhagia	..	..	..	..	..	4
Total No. of cases with Irrage, Menst. and Cycle	..	..	..	..	..	88
Hirsutim	..	..	..	..	..	3
Vaginal Smear	..	..	..	..	..	300
Cervical Mucus	..	..	..	..	..	300
Endometrial Biopsy	..	..	..	..	..	45
Buccal Smear	..	..	..	..	..	47
Semen Examination	..	..	..	..	..	79
17 Ketosteroids	..	..	..	..	..	50
Urinary Oestrógen	..	..	..	..	..	2
Induction of Ovulation	..	..	..	..	..	12
Precocious Puberty	..	..	..	..	..	1
Sterility	..	..	..	..	..	79

M. T. P. Sections :

Total M. T. P.s	..	..	..	..	..	937
(a) First Trimster	..	..	..	..	..	711
(b) Second Trimster	..	..	..	..	..	146
(c) Menstrual regulation studies	..	..	..	..	..	156
Out-patient suction evacuation	..	..	..	..	..	711
Mid-trimster termination of pregnancy	..	..	..	..	..	52

Prostaglandins :

Intra-amniotic PGF ₂ a 50mg. and 15 Methyl PGF ₂ A 2.5 mg.	..	..	62
Cancer Cytology in M. T. P. Cases	..	..	.. All MTP cases
Vaginal P. G. suppository	..	..	32
Sulprostone injection	..	..	40
Pre-operative dilation done for late first trimester patients and S. E., Carried out Lam tents/SE after 6 hours	..	..	111
I. M. Prostaglandins/SE	..	..	41
I. M. Prostaglandin 24 hours	..	..	40

Oral Contraceptive Centre

	Oral pills	Cut	Multiload	Net Inj.	PRT	LP
Total No. of new patients	177	504	30	30	10	306
No. of cases continuing at the end of the year	667	183	746	101	16	207
No. of cases closed during the year	163	169	61	18	8	9
Cytology taken	170	516	172	19	13	20

Post-Partum Programme :

Vasectomy	..	..	..	..	..	49
Tubectomy	..	..	..	..	..	1,250
I. U. C. D.	..	..	..	..	..	805
M. T. P.s	..	..	..	..	..	1,632
Deliveries	..	..	..	..	..	4,638
Abortions	..	..	..	..	..	136
Oral pills	..	..	..	..	..	185
Condoms	..	..	..	..	..	1,925
Net Inj.	..	..	..	..	..	17
Maternal Deaths	..	..	..	..	..	18

URBAN FAMILY PLANNING CENTRE AND POST PARTUM PROGRAMME

During the 1980-81, 7 Rural Laparoscopic Camps were held in various parts of Maharashtra. More than 1,624 sterilizations were performed.

Work done in M. C. H. activities is also attached. Nearly 134 eligible couples were contracted during the year. 197 films shows were shown in Hospital O. P. D.s, wards and in the Fields.

More than 50% of follow-up of all Family Welfare acceptors was carried out during this year

C. V. T. C. Laboratory :

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 are being carried out in the laboratory are as follows :—

	No. of Samples	No. of Tests
(a) Complete Haemogram. (Hb, WBC, TC, DC, PCV and ESR)	8,814	44,070
(b) Routine analysis of Urine, stool and Sputum including microscopic exam.		
Urine	5,140	25,700
Stool	2,947	2,947
Sputum	2,368	2,368
Total	19,269	75,085

(II) BIOCHEMICAL SECTION :

	No. of Samples	No. of Tests
(a) Liver Function Tests	3,159	12,636
Alkaline Phosphatase	360	360
Prothrombin Time	2,022	2,020
Clotting time	1,216	1,216
Bleeding Time	1,123	1,123
E. P. P.	51	51
S. G. O. T.	4,350	4,350
S. G. P. T.	4,664	4,664
(b) Carbohydrate Metabolism—		
Blood Sugar	6,608	6,608
Urine Sugar (Quantitative)	969	969
Urine Sugar (Qualitative)	969	969
(c) Kindney Function Test :—		
Blood Urea Nitrogen	5,919	5,919
Creatinine	1,637	1,637
Uric Acid	549	549
(d) Lipid Profile :—		
Total Cholesterol	1,975	1,975
Total Triglycerides	1,917	1,917
(e) Serum Electrolytes : (Sodium, Potassium, Chlorides) . . ;	10,233	30,69
Calcium	332	332
Phosphours (P)	298	298
Pleural fluids, L. D. H. Anylase etc.	10	103
	48,454	78,397
Emergency Electrolytes	138	414
Total	48,582	78,811

III HISTOPATHOLOGY SECTION :

(1) Surgical biopsies and specimens	450
(2) Slides prepared	1,350
(3) Autopsy specimens	262
(4) Sections prepared	9,200
(5) Whole lung sections prepared	80
(6) Whole lung specimens	40
(7) Gytology specimens	334
(8) Cytology slides prepared	1,002
(9) Special staining procedures	200

(IV) RESEARCH SECTION :

(1) R. A. Tests	431
(2) Immunogloblin	50
(3) V. M. A.	31
(4) Lioprotein fractions	582
(5) L. D. H. (Isoenzymes)	10
(6) Cholesterol (LDL, VLDL, HDL)	45
(7) Triglycerides (LDL, VLDL, HDL)	45
(8) E. P. P.	478

DEPARTMENT OF MEDICINES :

The Department of Medicine as before comprises of three full-time and three Honorary teaching units with the following sections under the Head of the Department of Medicine. :—

(1) Nephrology, (2) Gastroenterology, (3) Haematology, (4) Division of Endocrinology and Metabolic Disorders, (5) Tetanus, (6) Arthritis and Immunology, Clinic and (7) Nuclear Medicine.

As reported previously Dr.(Smt.) V.N. Acharya continues to be the Head of the Department of Medicine. The Department has a backup from its own laboratories for service and research. These include Biochemistry Laboratory (No. 44) and Applied Biology Laboratory (No. 26) under the supervision of Dr. B. S. Kulkarni, Prof. of Clinical Chemistry. Dr. B. S. Kulkarni continues to supervise the laboratory needs of Nephrology and Gastroenterology Units. The Nuclear Medicine Laboratory under the charge of Dr. G.H. Tilve has been augmented by an addition of a Scanner Camera with which scans of various organs like liver, kidney, brain lung etc., can be done.

The Haematology Laboratory forms a section of the J. C. Patel Haematology Lab continues to work in the ground floor of K. E. M. Hospital near the Blood Bank.

The Artificial Kidney Department of the Nephrology Section of the Department of Medicine continues to undertake multifarious responsibilities including dialysis of acute and chronic renal failure patients with transplantation. The 5 bedded central monitory unit from extracorporeal has

been found to be of great value for this section and has eased the load of heavily tackled technicians who work round the clock in the A. K. D. The Applied Biology Unit attached to the Unit continues to study the problems of U. T. I. as a part of preventive programme of renal failure. The training programme of nurses, technicians and other personnels in the art and science of dialysis is being continued as before.

The Tetanus section of the Department of Medicines saw a total of 625 new admissions with an overall Mortality of 23% which was absolutely stable over the last 2 years. The unit has been equipped by 2 Bird Mirk—3 Respirators for the respiratory management serious cases of tetanus. The ICMR project on clinical and electrophysiological studies in tetanus is being continued. The work on Prophylactic Immunization with one dose vaccine is also being continued and a paper on "Billing Immunity against Tetanus in India" is being submitted to the British Medical Journal.

The Division of Endocrinology and Metabolic Disorders saw a total of 2,317 new patients in its Diabetic, Endocrinology and Puberty and Growth Clinics. It also treated 231 indoor patients during the year. Dr. Vimla Retnam was promoted as Reader in Medicine during the year and she continued to work in the above division. Several research projects were undertaken and completed during the year.

The Arthritis and Immunology Clinic continues to offer its good services to its patients.

The Gastroenterology Clinic saw a total No. of 3,020 patients including 707 new patients. The facilities for investigations work up to include Faecal fat studies, D'xylose, Cobalt B12 Augmented Histamin test, Glucose tolerance tests were offered to the patients of Gastro-enterology Clinic. 150 patients also underwent sigmoidoscopic examination. The facilities for endoscopy examination are being made available to this section in the coming year till then this unit has been sharing endoscopy facilities offered by the Department of Surgery for the benefit of patients.

Laboratory No. 44-45 and 26 continue to share a very heavy work load and during the year under consideration a total of 2,52,129 tests of various types were done. Quality of these estimations continued to be of high standards and appreciated by all the sections.

Prophylactic immunization with 1 dose vaccine :

This work subsidized by Glaxo Laboratories (India) Ltd., is still in progress. Three clear facts have emerged. (a) Naturally acquired antitoxin occurs in a significant percentage of the population. (b) that this interference with subsequent immunization with tetanus toxoid by inducing a state of partial tolerances, (c) A single dose of 250 toxoid in an unimmunized individual confers protection for 5 years without side effects.

The Department of Rheumatology :

In the year 1980, a total of 2,184 cases were seen in the O. P. D. Out of these, 412 patients were new and 1,772 were old. All these patients were thoroughly investigated for rheumatoid diseases and were given appropriate drug therapy.

Work in Progress :

A—Rheumatoid Arthritis :

- (1) A trial of Brufen therapy (with 2 does and three dose regimen) in rheumatoid arthritis has been sponsored by Boots. Twenty patients have been worked up so far.
- (2) A trial of Ketoprofen, as an analgesic, has been sponsored by May and Baker. Six patients of rheumatoid arthritis, four of Osteoarthritis and eight of general musculoskeletal pain have been worked up.
- (3) Forty-two patients (including one case of Juvenile rheumatoid arthritis) were started on Myocrisin, (Sodium aurothiomalate) therapy. Dramatic results were obtained. Unfortunately, the drug is not regularly available in the market and hence the therapy had to be terminated.
- (4) Twentyseven patients have been started on Levamisol therapy with good results. Their haemograms are being done regularly. A controlled, comparative study of once a week therapy and three days therapy with 7days gap regimen is to be conducted in the year 1981.
- (5) The total body counter is getting established in the department. The first Project planned is the study of manganese in rheumatoid arthritis. This will take place in collaboration with B. A. R. C.

B—Ankylosing Spondylitis :

- (1) Dermatoglyphic patterns of ankylosing spondylitis patients have been going on. Seventeen patients have been studied so far.
- (2) All the patients of ankylosing spondylitis are screened for the presence of HLA B27. The old study of those correlation is continued.

C—Non-Rheumatoid Arthralgia :

Patients suffering from other systemic disorders like leprosy, Syphilis, serum sickness, septicaemia along with joint pains (that were proved to be non-rheumatoid) are being studied. A systematic analysis of such cases is planned.

Biochemical Section of Deptt. of Medicine & Surgery;

Laboratories 44, 45 & 46 —

Biochemical (routine)	2,21,316
BUN	16,800
Creatinine	16,950
Proteine	33,600
Serum Uric acid	138
Urine Uric acid	68
Bilirubin (Total & Direct)	33,600
Enzyme (SGPT	7,736
" (SGOT)	6,100
Sugar	8,954
Calcium	1,450
Phosphorus	1,450
Alk. Phosphatase	1,500
Electrolytes —Nat +	22,747
Kt +	22,747
CL	22,747
HCO ₃	22,747
Serum cholesterol	1250
Urine Chemistry	627
Acid Phosphatase	60

(B) Hemotological Investigations (Routine):

WBC—T/D, RBC, Hb, PCV, ESR, Retic count platelets count	
BT CT & Vit. B12	4,689

(C) Routine Urine Estimations:

(Sp. gr. Alb. Sugar, Microscopic, Spectroscopic.)	4,937
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(D) Stool Exam. & Sigmoidoscopy swabs:

1,306

(E) Special studies:

(1) Creatinine clearance	780
(b) Citrate clearance	234
(c) D-Xylose studies	150
(d) Faecal fat.	132
(e) Gastric analysis	182
(f) Osmolality (P. of U).	680
(g) Blood & urine barbiturate	110
(h) Blood ammonia	100
(i) Lactate	234
(j) Aldolase	
(k) Acid load test	16
(l) Methamoglobin	150
(m) Fibrinogen	250
(n) Serum amylase	272
(p) Serum EPP	60
(q) Serum Iron and iron binding capacity	56

Laboratory No. 26.

(1) Urine culture and sensitivity done (total)	2,392
(a) Bladder puncture Samples	283
(b) Mid stream urine samples & cathetar sample	2,109
(2) Blood culture done	84
(3) Miscellaneous cultures	1,082
Catheter tip	126
Ascitic fluid & pleural fluid	49
Wound swabs	104
Kidney biopsy fluid	604
Peritoneal fluid	199
(4) Antibody titre estimation	254
(5) Immunoglobulin estimation	20
(6) Av. Ag. & Au. Ab. detection	210
(7) Alpha-Fotoprotein	23
(8) Drug Trial :	
(a) Trimethoprim+ Sulphadiazine	40
(b) Trimethoprim+ Nitrofurantoin :—	
Short term	2
Long term	7
(c) Septram trial	3
(d) Trimetho prim trial	3
(e) Catatoxima trial	17

Total number of investigations 2,43,129

Hematology Department :**Investigations :**

Complete Blood count (CBC)	8,120
Platelet	460
Erythrocyts Sedimentation Rate (E. S. R.)	625
Bone Marrow Biopsy	602
L. E. Test	150
Urine Haemasiderin	42
Serum Iron	1,426
Total Iron Biniding Capacity	1,426
Red Blood Cell fragility	1,026
Sickling	528
Feetal Haemoglobin	1,226
Haemoglobin A2	1,226
Haemoglobin Electropheresis	1,226
Sucrose Iysis	128
Red Blood Cell Survival	5
B12 Absorption	12
Fecal Blood loss studies	15
Clotting Time	246
Bleeding Time	326
Prothrombin Time	246
Clot Retraction	312
Thrombin Time	105
Thromboplastin Generation Test	152
Partial Thromboplastin Time with aolin	312
A. H. G.	158
Test for Fibrinogen (starting Factor)	312
B12	320
GLT	30
Folic Acid	320
Red Cell Folate	320
Bone Marrow Iron staining	46

Patients attending Hamatology Department during the year 1980 :-

	New	Old
O. P. D. Patients	1,805	3,002
Indoor Patients	246	628

Department of Cardiology K. E. M. Hospital :-**Vakil Institute of Cardiology Ward No. 35 (ASV).**

Cases admitted	621
Echocardiograms	1,265
Vectorcardiogram	339
Treadmill stress test	199
Electrocardiograms	1,923

Rehabilitation :	No. of Patients	No. of Treatment
Occupational therapy	84	407
Physiotherapy	179	1338
Cardiac catheterization data .. .. .	..	..
Cardiac catheterization .. .. .	..	278
Cine Angio .. .. .	..	214
Cut films .. .. .	..	26

DEPARTMENT OF CARDIOLOGY K. E. M. HOSPITAL—

Indoor patients.	Card O. P. D. Patients		ECG Total
	New	Follow up	
1182	3512	13982	33591

Intensive Cardiac Care Unit :

Cases admitted Wd-32	349	ICCU	833
Pacing		Temporary	60
		Permanent	25
Pacemaker follow ups			150
Echocardiography .. .. .	..	..	317
Vectorcardiography .. .. .	..	..	85
Mis bundle electrocardiography .. .. .	..	..	30
ECCs		ICCU	4,560
		Wd-32	2,480
Treadmill stress test .. .. .	..	..	188
Cardioversions .. .. .	..	..	83
Cardiogenic shocks .. .. .	..	..	58
Oesophageal EGGs .. .. .	..	..	17
Rehabilitation : Occupational therapy .. .. .	..	..	315 Pts.
Physiotherapy .. .. .	..	..	268
Isoprenalin & Atropine studies .. .. .	..	..	45
Arrhythmias		Major	132
		Minor	980

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

Speech New cases	..	..	180
Audiometry		New Cases	2,820
		Follow-up	698
		Impedance	854

DEPARTMENT OF GASTROENTEROLOGY :

Total number of new patients attended O. P. D.	..	..	770
Total number (Old & New) of patients attended	..	..	3,020
(1) Complete blood counts , Hb, PCV, ESE, T-Count, Diff. Count.	..	..	520
(2) Routine Urine : Sp. gr., Albumin, Sugar, Microscopic.	..	..	565
(3) Routine stools : Occ. bl. Microscopic blood test	..	..	632
(4) Sigmoidoscopic swab	..	..	40
(5) Faecal fat studies	..	..	132
(6) D'xylose studies	..	..	150
(7) Cobalt B12 studies	..	..	120
(8) Augmented Histamin tests	..	..	182
(9) Lactose tolerancetests	..	..	25
(10) Glucose tolerancetests	..	..	25
(11) Sigmoidoscopies	..	..	150

TUMOUR CLINIC

Nearly 500 patients were seen in the out-patient department because this is an essentially clinic service. The clinic provided facilities of planning the treatment and follow-up of the causes of Tumours and allied diseases. The treatment for advanced cancer with chemotherapy drugs and pain relief with chemical agents was undertaken as a part of clinic activity.

The research project under the auspices of this clinic deals the use of indigenous drugs in malignancy.

There is no special grant for this clinic.

DEPARTMENT OF UROLOGY :

During the year 1980, a total number of 631 patients were admitted to Urology wards for In-patients treatment while 3,391 patients were given Out-patients attention and treatment including follow up management. During the year there were 481 Operations including open surgery, TURs. etc., Diagnostic endoscopic procedures were carried out in 590 cases.

Kidney transplantation was successfully done in one patient. New equipment was obtained for procedures like cryosurgery and ultrasonic lithotirty. During the year academic Activities included organization of special urology or uro-radiology meetings, clinitapes meetings, registration and training of post-graduate students in urology and active participation in national urology meetings.

DEPARTMENT OF PLASTIC SURGERY :

(1) Weekly out-patients clinic held every Thursday in O. P. D. No. 5	..	..	949
(2) Follow-up clinic conducted by the Honoraries thrice a week	..	..	2,181
(3) Patient referred from other dept. to this department.	..	..	424
(4) The feeding guidance clinic held every Sunday morning for Cleft Lip and Palate patients.	..	..	365
(5) Keloid Clinic for Kenacort injection every Thursday morning	..	..	270
(6) Patients referred from the Casualty Deptt.	..	..	2,760
(7) Indoor patients admitted to Wd. No. 16 & 16A.	..	..	593
(8) Operative procedures carried out in P. S. T.	..	..	951
(9) Emergency procedures carried out in J. M. T. by our residents.	..	..	1,631
(10) Out-door dressings carried out by our R. M. O. during the follow-up held every day in the evening except Sunday.	..	..	3,345

The Summer Meeting of the Association of Plastic Surgeons of India held at Ranchi in September 1980, and Annual meeting of the Association of Surgeons of India at Calcutta in December 1980.

DEPARTMENT OF CHEST MEDICINE :

There were 2,027 new cases registered in Chest Clinic and 11,926 old cases attended in addition for regular follow-up. About 955 Indoor patients were treated in the year 1980 of which 162 received intensive care. The number of referals for treatment of intensive patients treated were higher in 1980 compared to 140 in the year 1979. About half of the patients receiving Intensive treatment were put on assistance with respiratory machines. Allergy testing with skin tests was done on 86 patients. The total cases operated surgically in this unit in 1980 was 72 as against 64 in 1979.

The Work load of Pulmonary function laboratory is given below :—

	Blood Gas Ward Sample	Card Catheter	Other tests.	Pulmonary Function Test	
				Patients test	Research
1979	4220	2508	1060	1100	840
1980	4205	1980	2123	1148	70

AIR POLLUTION HEALTH SURVEY UNIT :

Of 4,129 original subjects from all 4 areas poynad, Lalbaug, Chembur and Khar studied in 1977, 2,179 were followed between January and July.

Census-cum-cross sectional study in rural area was carried in the month of January 1980 and February 1980. The total subjects covered were 3,400. A similar survey was carried out in the Santacruz-Khar area covering 5,269 subjects in March and November 1980.

Monthly health cards were maintained on 1,200 subjects of 4 areas on a regular basis between January and February. Further intensively supervised study of health cards on 600 subjects in 3 Urban areas was carried between the July 1980 to September 1980.

The Diet Survey was repeated on 2,327 subjects in 4 areas to verify the seasonal differences. Computerisation of all diet data was planned executed accordingly.

The analyses for second year was carried out. Planning for the Computerisation of data for 4 years (6 phases) was done regarding maintenance of health diary, pollution monitoring weather housing and sanitation data. The final phase analysis of the total data is being shortly undertaken.

Department of Paediatric Medical :

Indoor patients	..	..	..	..	..	..	3,366
Out-door patients	..	..	..	..	..	..	13,236
Newborns (Post -natal ward)	:	Total No. of live births					4,451
		Total No. of still births	..	..	..	..	165

Speciality O. P. D. Attendances :

Juvenile diabetes	..	..	..	..	..	..	97
Genetic O. P. D.	..	..	..	..	..	..	517
Paediatric Chest Clinic	..	..	..	..	..	..	57
Rheumatic Nephrology O. P. D.	..	..	..	..	..	..	617
Well baby Clinic	..	..	..	..	..	..	11,616
School Clinic : New cases	..	..	..	..	..	..	1,205
Old cases	..	..	..	..	..	..	6,626

Urban Health Programme :

Under this programme comprehensive care is provided to infants and old children below six years are under six clinics in the form of Treatment of minor ailments, assessment of growth and development, immunisation, nutrition, education and supplements. health education etc. at following centres.

- (1) Malvani Slum-welfare Centre Unit I.
- (2) Prabhadevi Child Welfare Centre : Unit II.
- (3) Naigaum Child Welfare Centre : Unit III.

School Health Clinic :

Under this programme, children from Municipal Schools in the 'F' and 'G' wards are transported to K.E.M. Hospital for regular check-up, investigations and treatment, nutrition supplement in the form of.

Teaching Programme :

Under graduate Training Programme.—Consists of series of 40 lectures 60 clinics, ward rounds and emergency managements. Topics covered include care of sick children, care sick and normal newborns, paediatrics emergencies, preventive and social paediatrics.

Post-graduate Training Programme : Consists of lectures, clinics, seminars Journal club and death conferences.

Special Events :

A W. H. O. sponsored 'Workshop in Neonatology' was held in K. E. M. Hospital from 10th to 20th November 1980. Dr. N. B. Kumta was appointed as Advisor for the organisation of this Workshop. Scientific Sessions of this Workshop were organised by collaborative efforts of the staff of the Department of Paediatrics, Obstetrics and Gynaecology, Pathology, Forensic Medicine Cardiology, Anaesthesia, Preventive and Social Medicine and Paediatric Surgery, 25 delegates comprising Paediatricians and Obstetricians from peripheral district hospitals of Maharashtra, Gujrath and Madhya Pradesh underwent and intensive lecture and demonstration training programme in the subject of Neonatology with the objective of providing better perinatal health care.

Biochemical Investigations :

A.—	(1) Aminoacidograms (Urine and Plasma)	..	..	..	..	908
	(2) Blood Amomia	..	..	..	..	48
	(3) Serum Bilirubin	..	..	..	..	311
	(4) Serum-Cholesterol	..	..	..	..	388
	(5) Creatinine-Serum & Urine	..	..	..	..	503
	(6) Copper (Serum & Urine)	..	..	..	..	46
	(7) Ceruloplasmin (Serum)	..	..	..	..	46
	(8) Calcium (Serum and Urine)	..	..	..	..	508
	(9) Hair balb test	..	..	..	..	11
	(10) Phosphorus (Serum & Urine)	..	..	..	..	1080
	(11) Proteins (Serum & Urine)	..	..	..	..	508
	(12) Porphyrins (blood & Urine) (M.R. Tests, including screening tests)	..	..	..	..	706
	(13) PH, Po2	..	..	..	..	16
	(14) Sugar Chromatography	..	..	..	..	28
	(15) Blood Sugar (Capillary)	..	..	..	..	64
	(16) Lipoprotiens	..	..	..	..	..
	(17) Specific gravity of urine	..	..	..	..	48
B.— Enzymes :						
	(1) Lactate dehydrogenase CSF	..	..	..	..	128
	(2) Hexoseaminidas	..	..	..	..	22
	(3) Hexoseaminidase isoenzymes on cellulose acetate electrophoresis	..	..	..	..	12
	(4) Alkline phosphatase	..	..	..	..	686
	(5) Galactose-1-Phosphate uridyl tranaferease	..	..	..	..	14
	(6) Beta glucuronidase	..	..	..	..	12
	(7) Enzyme estination in leucocyte lysate	..	..	..	..	12
C.— M. R. Tests/MPS (all tests)		..	..	..	..	706
	O-toludine test —Copper	..	..	..	..	800
	Haemoglobin screening (RBC)	..	..	..	..	380

Unit I			Deaths		Total	Discharged	Mortality Rate
Male	Female	Total	Within 24 hrs.	After 24 hrs.			
716	466	1182	63	96	159	1023	13.49%

Attendance of Genetic O. P. D. in the year of 1980 by Dr. N. B. Kumta —517.

B. O. H. Report of the year 1980 :

	Rremature	L.S.C.S.	Breech	Mis.	Forceps	Total
Total	208	172	51	133	104	668
Follow-up	110	90	20	75	49	344
Approxm.	351	301	51	201	101	1005

Unit—II :

Admissions		Total	Deaths		Total	Discharged
Male	Female		Within 24 hrs.	After 24 hrs.		
593	440	1033	29	58	87	956

Well Baby Clinic : 1980.

New cases	..	..	..	..	..	502
Old Cases	..	..	..	..	..	1064
					Total	1566
Paediatric Chest Clinic	..	..	..	..	..	579
Patients attending Diabetic clinic	..	..	..	..	..	107

Unit—III :

Admission			Deaths			Discharged.
Male	Female	Total	Within 24 hrs.	After 24 hrs.	Total	
692	459	1151	45	80	125	1026

Well baby Attendance—1980 :

New	..	..	..	..	..	..	2510
Old	..	..	..	..	..	..	5676
Total						..	8186

Attendance of Rheumatology and Nephrology O. P. D.

.. 617

Report from Naigaum Health Centre :

Clinical Visits	..	..	..	..	..	1247
Home Visits	..	..	..	..	..	1000
Milk supplement	..	..	..	..	..	7904
No. of Nutrition Classes	..	..	..	..	..	104
No. of Health talks held	..	..	..	..	..	132
No. of mothers attending	..	..	..	..	..	1805
			1st	2nd	3rd	Booster.
D. P. T.	..	..	1604	1246	1050	417
Polio	..	..	1599	1246	1050	376

Department of Neurology :

The Neurology department runs two out-patients in each—neurology and epilepsy out-patients. These continue to be well attended and becoming popular. The department has patients not only from Bombay but from all over India and abroad.

The E. E. G. department has functioned well and has recovered 569 graphs in 1980-81.

A sanction has been obtained for a modern E. E. G. machine which likely to be installed very soon. The models for visual auditory and sensory evoked Potentials have arrived and will be added to the M. S. 6 models E. M. G. Machines.

Radiological investigations like air studies. Myelography, single and four vessel angiograph are performed with the assistance of the department of radiology, Brain scanning and cerebral blood flow are studied with the assistance of the department of medicine.

The epilepsy cases are regularly being followed up by the staff and their medical social data is collected. Home visits are paid by the medical social worker and attempt is being made to rehabilitate some needy patients.

Research work is in full progress and papers continue to be presented at various medical conference.

Research activity in the department of Neurology including clinical Neurophysiology and epilepsy clinic :—

- (1) The I. C. M. R. Project on Multidisciplinary studies in peripheral Neuropathy and C. V. D. in young patients have been successfully completed and the documents send to the I.C.M.R.
- (2) Ongoing study of C. V. D. in young individuals below the age of 40 years continuous.
- (3) Analysis is being made of Motor Neurone disease in young patients.
- (4) Data in syphilis of the Nervous system has been completed.
- (5) Clinical correlates of spike and wave abnormality in the E. E. G.
- (6) A study of subacute sclerosing encephalities.
- (7) Paper on Sociopsychological studies on epilepsy patients attending the Epilepsy Clinic over 3 years read at the international epilepsy congress.
- (8) Study of factors for non compliance of treatment in epilepsy.
- (9) Paraplegia on unknown origin.
- (10) Complex partial seizures.
- (11) Hereditary sensory neuropathy.
- (12) Epilepsy of late onset.

NEURO-SURGERY DEPARTMENT**Out-patient service at the Dr. R. N. Cooper Hospital :**

This service proceeds satisfactorily. During the year 305 new patients were seen of whom 46 were transferred to K. E. M. Hospital department for investigation and surgery.

It is of interest that in addition to neurosurgically treatable conditions we are often posed purely neurological problems. Thus degenerative diseases, nutritional disorders and primary muscle-nerve diseases claim our attention. On enquiry we find that this is because no consultant attends the neurology O. P. D. and even the postgraduate student sent earlier from the A. E. M. Hospital no longer attends the Cooper O. P. D.

Statistic Regarding Out-patients and Inpatients :

Sex	New Attendance	Old Attendance	Total Attendance
Male	1174	2172	3346
Male child	361	478	839
Female	575	908	1484
Female child	197	289	486
Total	2307	3847	6154

In-Patients :

Sex	Admissions	Discharge	Death
Male	459	422	37
Male child	143	140	3
Female	206	183	23
Female child	79	67	12
Total	887	812	75

Investigations during the year 1980 (X-ray)	..	..	..	2861
Operations performed during the year 1980	..	..	..	847

DEPARTMENT OF DERMATOLOGY AND VENEROLOGY

Statement showing the diagnosis of 'Out-patients' treating the department of Dermatology and Venereology during the year 1980 :—

New Cases	..	..	..	..	33,340
Old Cases	..	..	..	..	30,238
Total					63,578

Classification :

Sex	New cases	Old cases
Male	19,491	18,782
Female	6,438	7,498
Male/Child	4,073	2,133
Female/Child	3,338	1,825
Total	33,340	30,238

Lab. Investigations :

Urethral Smear T. S/PS/VS/CS	..	..	..	..	505
Urine Examination	..	..	..	..	28
Blood Examination	..	..	..	..	25
Biopsy	..	..	..	..	509
Allergy Patch Test	..	..	..	..	31
Total					1098

V. D. Cases treated during the year 1980 :—

Sex	Male	Female	Child	Total
New Cases	3546	187	8	3741
Old Cases	.....	.....	.....	5758
Total				9499

Department of Mycology :

A total No. of 697 cases treated in the Out-patient Department of Mycology during the year.

A total No. of 52 V. D. cases and 310 Skin diseases treated in the In-patient department of Dermatology and Venereology during the year 1980.

Leprosy Department :

New patients registered at K. E. M. Hospital ..	..	..	..	621
Repeated patients .. .. .	..	..	..	2,833
Referred from A I H .. .. .	..	..	..	7
Patient from T. B. R. .. .. .	..	..	..	475
Patient from N. B. R. .. .. .	..	..	..	146

New Patients analysis :

		Tuberculoid	Intermediat	Lapromater	Total
Male ..	..	300	59	22	381
Female ..	..	137	13	5	155
Children ..	..	81	4	..	85
Total ..	..	518	76	27	621

Analysis of Old Patients :

		Tuberckloid	Intermediate	Lapramater	Total
Male ..	..	1,410	222	175	1,807
Female ..	..	730	68	38	836
Children ..	..	185	3	2	190
Total ..	..	2,325	293	215	2,833

Total attendance ..	..	..	..	..	11,734
Working days ..	..	..	..	..	147
Average per working day ..	..	..	..	..	79
Bact. Smear done ..	..	..	..	..	1,138
Positive ..	..	..	..	..	278
Negative ..	..	..	..	..	860
Sweet function ..	..	..	..	..	110

Molecular Biopsy Cell :

The following is the brief report of the Molecular Biology Deptt.

Investigations : .. .. .	..	..	..	..	..
(a) Anti-streptolysin 'O' test ..	..	..	..	..	1,570
(b) Throat culture ..	..	..	..	..	1,266
(c) Grouping of streptococci ..	..	..	..	..	328
(d) T-typing of group A Streptococci ..	..	..	..	..	90
(e) Antibiotic Sensitivity ..	..	..	..	..	328
(f) Diabetic urine cultures & Antibiotic Sensitivity ..	..	..	..	..	157
(g) Culture in general surgery cases (Complete study of Pre-intra & Post operative) ..	..	..	..	..	280

In addition to this our department was also successful in isolating some salmonella serotypes encountered for the first time in India Salmonella roan (38, Iv, enx) and S. Stendal (II. Iv, I, 2 from processed frog legs. Also other rare types discovered are S. Kentucky & S. Berlin. Prof. (Mrs.) Leela Joshi was again elected Chairman of the Association of Microbiologists of India (Bombay) unit and this year conference was held in Bombay at the Bhavan's college, Andheri.

The Conference as well as the exhibition was a grand success of which Prof. (Mrs.) Leela Joshi was the chairman.

Besides training students of M. Sc. & Ph. D., Lectures and practicals were conducted for M. D. Microbiology as well as M. B. B. S. students.

Renal Unit and Artificial Kidney Division :

The Nephrology Unit which looks after the preventive aspects of renal disease and renal failure is run by appointment twice a week on Mondays & Thursdays. The clinic was 1779 patients during the year 1980. Bacteriology of urine, diet advise and certain immunological test were done on the spot for all the patients attending this clinic.

A total of 157 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 from Maharashtra and other neighbouring states. A total of 1278 dialysis were performed on 313 patients during this year (1071 hemodialysis plus 207 peritoneal dialyses)

	Acute	Poisoning	Snakebite	Schizoprenic	Chronic	Pts.
Hemodialysis	114	23	42	11	881	1,071
Peritoneal Dialysis	37	—	2	17	151	207

The Hemodialysis service has been markedly improved with the addition of Extracorporeal D. P. M. System which can dialyse 5 patients simultaneously besides using the Drale Wilcock and Cordis Dow Dialysate delivery system. Besides the already existing Kill dialysers, disposable dialysers like the Hollow Fibre, Gembro and Cobe plate dialysers have been used on patients with intoxication and others with jaundice who otherwise could not received hemodialysis for fear of hepatitis transmission. The hemoperfusion cartridge which consist of activated charcoal granules coated with callophane was used for barbiturate patients with very good results.

The training programme for doctors, nurses and technicians were conducted as usual to include technicance theory as well as practical demonstration. Each course was spread over a period of 3½ months.

A new method known as "modified sequential Ultrafiltration hemodialysis" was also put to use with very good results on patients undergoing hemodialysis. This involved saving of dialysate.

Radio Isotope Laboratory :

(1) Radioiodine uptake tests ..	..	..	..	..	612
(2) Thyroid scans ..	..	..	..	..	506
(3) Charocoal Tuptake ..	..	..	..	..	1,260
(4) Urinary sterioid assays ..	..	..	..	..	41
(5) I-131 therapy dose ..	..	..	..	..	42
(6) Liver scans ..	..	..	..	..	552
(7) Brain scans ..	..	..	..	..	312
(8) Bone scans ..	..	..	..	..	30
(9) Kedney scans ..	..	..	..	..	31
(10) Renogram ..	..	..	..	..	50
(11) Urinary steroid ..	..	..	..	..	42

Radioisotope Laboratory acquired a "Gamma Scintillation Camera" from Messrs. Picker International Corporation for Rs. 10,00,000 with the help of Camma Scintillation Camera the radioisotope laboratory is able to handle all the work load of the hospital.

Department of Psychiatry :

The department operates daily out-patients services. Patients do not have to take previous appointment.

Following Clinics are run in Psychaitric Department and patients are treated in the clinic :—

- (1) Electroconvulsive therapy.
- (2) Drug Therapy.
- (3) Behaviour therapy.
- (4) Modified Insulin Therapy.
- (5) Maintenance Therapy of Schizophrenia.
- (6) Child Guidance Clinic.
- (7) Abreactive therapies.
- (8) Psychotherapy clinic; (Individual & group).
- (9) Lithium Therapy clinic;
- (10) Group Psychotherapy for sexual problems of male.
- (11) Occupation therapy.
- (12) Chronic alcoholism is treated with electrical aversion therapy or with disulfiram.

No. of patients offer various services in 1980 :-

	No. of patients	No. of Sessions
(1) New patients seen in O. P. D.	7,199	..
(2) New patients seen in Casualty	825	..
(3) Indoor admissions	1,007	..
(4) Electroconvulsive therapy (ECT)	1,276	8,698
(5) Modified insulian therapy	24	998
(6) Carbon dioxide abreactive therapy	3	148
(7) Behaviour therapy	200	1,450
(8) Child guidance clinic	92	513
(9) Maintanance therapy for Schizophrenia	43	561
(10) Disulfiram clinic	90	622
(11) Occupational therapy	152	835
	O. P. D.	..
	Indoor cases	1,090
(12) Biofeed back therapy	63	772

Workload of clinical Psychologists (Psychological teste)

No. of patients.

(a) Rorschach	986
(b) M. M. P. I.	406
(c) Intelligence tests (IQ & SQ)	924
(d) TAT & CAT	136
(e) B. G. & WMS|	366
(f) Miscellaneous (TAMS, HARSS, HPRSD, HOQ, MRS)	173

Workload of Psychiatric Social Worker

(a) Collection of Social data	922
(b) Social case work—Short term	200
Long term	82
(c) Family therapy	27
(d) M. D. Orientation	143
(e) Rehabilitation by referral to employment agencies	95
(f) Others	67
Electroencephalograms (EEG)	1,021
Polygraph tracings	415
Electromyograms (EMG) (Research Projects)	608

Medical Check up Centre :

The centre has examined, investigated and treated 446 patients during the year
Diagnostic centre Parel :—

	Patients treated
(1) Family Health Clinic	..
(2) Family Health Centre	47,085

Immunization :

Polio	8,581
Triple	8,583

Lab. Investigations :

Blood	..
Stool	..
Sputum	..
Semen	..
Urine	..
Total	19,818

Department of Radiology
The workload for the 1980.

Procedures	No. 10	No. 53	O. C.	C.V.T.C.	NEURO Rad.	TOTAL
Plain X-rays	73,049	242	27,627	8,940	1,701	1,13,559
Barium Study	1,866	..	..	..	1	1,867
Oral Cholecystogram	134	..	..	10	..	144
Ca. Angiogram	100	..	..	..	..	100
I. V. Cholangiogram	..	17	..	..	..	17
Sialogram	20	..	..	..	..	20
I. V. P.	1,505	15	..	1,358	..	2,878
M. C. U.	201	..	..	152	..	353
Tonogram	64	1	..	..	100	165
H. S. G.	96	..	..	..	..	96
Cerebral Angiogram	450	..	..	..	409	859
P. E. G.	25	..	..	..	88	113
Ventriculogram	..	..	..	..	386	386
Durogram	..	..	..	..	1	1
Myelogram	94	..	97	..	154	345
Cisternogram	9	..	..	..	..	9
Acrtogram	..	222	..	..	..	222
Arteriogram	..	197	..	..	2	199
Broachegram	..	101	..	..	..	101
Venogram	2	127	..	..	6	135
Splenogram	..	56	..	..	..	86
Lymphangiogram	..	32	..	..	..	32
R. P. A. I.	..	15	..	..	..	15
P. T. C.	..	24	..	..	..	24
Arthrogram	..	..	33	..	..	33
Others	240	..	..	..	..	240
Total :	77,855	1,079	29,757	10,460	2,848	1,21,999

DEPARTMENT OF PATHOLOGY & BACTERIOLOGY

Department of Pathology has three sections—

(1) Clinical Pathology Section including clinical biochemistry. Clinical Pathology Tests are carried out on out-patients and in-patients in separate laboratories while clinical biochemistry section is one for in-patients and outpatients.

(2) Autopsy Section,

(3) Surgical histopathology sections.

Clinical Pathology (O. P. D. Lab. & Laboratory) of Orthopaedic Centre :—

Type of analysis	..	..	..	No. of samples	Total No. of tests done
Haemograms	..	..	..	34,880	1,19,082
Urinalysis	..	..	..	28,705	80,013
Stool Analysis	..	..	..	16,828	16,828
Sputum	..	..	..	2,539	2,539
M. P. /M. F. Smears	..	..	..	215	215
B. T./C. T.	..	..	..	1,663	3,326
Central Clinical Laboratory :					
Haemograms	..	..	..	9,010	45,050
Urinalysis	..	..	..	7,125	68,500
Stool analysis	..	..	..	8,703	21,084
Sputum	..	..	..	3,000	6,000

Clinical Biochemistry :

Blood Sugar	..	..	..	..	22,339
Blood Urea Nitrogen	..	..	..	..	12,045
G. T. C. TEST	..	..	..	..	174
S. Protein X 2	..	..	..	..	4,148 TP
					4,148 Alb.
Bilirubin T. & D.	..	..	..	..	4,531 Total
					4,531 Diff.
Alk. PH	..	..	..	..	1,838
Acid PH.	..	..	..	..	405
SGOT/SGPT	..	..	..	..	7,374
S. Creatinine	..	..	..	..	3,340
S. Calcium	..	..	..	..	1,299
Amylase	..	..	..	..	250
S. Phosphorous	..	..	..	..	1,299
Cholestrol	..	..	..	..	1,390

Central Clinical Laboratory : Emergency Laboratory :—

Blood Sugar	..	..	..	..	4,134
Blood Urea Nitrogen	..	..	..	..	4,189
S. Electrolytes	..	..	..	..	6,327 Net.
3 Tests each	..	..	..	..	6,327 Nt.
S. Amylase	..	..	..	..	65
S. Bilirubin	..	..	..	..	1,983 Total
					1,983 Dir
C. S. F. Sugar	..	..	..	..	2,055
C. S. F. Chlorides	..	..	..	..	2,055
Hb	..	..	..	..	2,755
PGU	..	..	..	..	2,755
				Total	40,955

Autopsy Section :

Slide & Blocks prepared	..	..	..	..	14,515
No. of P. M. Tissues processed	..	..	..	..	19,294
Kidney biopsy	..	..	..	..	112
No. of slides prepared for special stain	..	..	..	..	193

Neuropathology

Histopathology :—Total no. of cases				Blocks Prepared	Slides prepared	Unstained slides Prepared
	366			540	540 sp. stains	1,620
Brain Specimens from 342 Autopsy				1,850	1850, sp.stains	..

Surgical Histology :

Total No. of Specimens received	..	..	..	..	7,950
Total No. of specimens for disposal only	..	..	..	..	1713
No. of Specimens processed	..	..	..	..	7,950
No. of Blocks prepared	..	..	..	..	13,893
No. of slides stained for H. & E.	..	..	..	..	13,893
No. of special stained	..	..	..	..	1,080
Frozen sections done	..	..	..	..	37

PHARMACY DEPARTMENT

No. of types of finished products Prepared as follows :—

2,73,279 Transfusions fluids bottles & 13,600 Injection (Vial) were manufactured.

Stock Solution :

(1) Hammodialysis fluid	..	..	..	..	1,730.4 Litres
(2) Pottasium Chloride 25per cent	..	..	..	..	74.0 "
(3) Magnesium Chloride 50%	..	..	..	..	49.0 "
(4) Calcium Chloride 2%	..	..	..	..	159.0 "
(5) Absolute Alcohol 500 Ml.	..	..	..	..	260 bottles.

Central Sterile supply :

(1) No. of drums sterilised	..	..	..	..	14195
(2) No. of trays sterilised	..	..	..	..	16752
(3) No. of bleeding sets prepared & sterilised	..	..	..	..	17110
(4) No. of plastic saline sets prepared & sterilised	..	..	..	..	71726

Analytical Report :—

					Tests.
(1) Dextrose (5% 10% 25% A & B Solution Etc.)	..	..	..	..	566
(2) Sodium Chloride (0.9% 5% A & B Solution etc.)	..	..	..	..	485
(3) Distilled water (Purity test)	..	..	..	..	299
(4) Analysis of Chemicals, Drugs etc. (supply check)	..	..	..	..	17
(5) Pyrogen tests	..	..	..	..	593
(6) Sterility Tests	..	..	..	..	1,430

Preparation of stains and reagents etc. :

Name of the Preparation	Quantity Prepared
(1) Giemsa's stain	21.0 Litres.
(2) Methylene Blue	7.5 "
(3) Carbal Fuchsin	3.5 "
(4) Benedict's Reagent (Qualitative)	160.0 "
(5) Acid Sulphosalicylic 20%	49.0 "
(6) Acid Hydrochloric N/10	18.0 "
(7) W. B. C. Fluid (Diluted)	17.0 "
(8) Glycerin with Phenol	400 ml.
(9) Surgical Wax (Bone Wax)	4.4 Kg.
(10) 1% Iodine Antiseptic Lotion	10.0 Litres.
(11) 2% Glutaraldehyde Solution (in Phosphate Buffer)	9.5 "
(12) Multivitamin syrup	80.0 "

New Preparation introduced :

- 1% Iodine Antiseptic Lotion.
- Sodium Lactate—Sodium Citrate 18m. Eq. in Normal saline.
27 students obtained training from Dispensary during the year 1980.

Work carried out in Dispensary (K.E.M. Hospital) :—

O. P. D. Patients	519464
Indoor Patients	6786
Ordinary ..	452
Total	526702

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

The staff society was continued during the year 1980. 8 Clinical meeting of the staff society were held and few Guest lectures were also arranged during the year. Dr. C. K. Deshpande, Dean was President for the whole year of this society.

Nurses :

Nursing Establishment is having 1,022 Scheduled posts out of which 47 posts are vacant. Approximate expenses per nurse per month is Rs. 750.

In the year, nurses were sent for different examination and their performance of examination was satisfactory.

Examination	Period	Appeared	Passed	Percentages.
General Nursing (Part II)	.. January 1980	70	46	66%
General Nursing Part II	.. July 1980	74	55	74.3%
General Nursing Part I	.. February 1980	62	53	85.5%
General Nursing Part I	.. August; 1980	55	51	92.7%
Midwifery	.. February 1980	22	22	100%
	May 1980	19	19	100%
	August; 1980	25	25	100%
	Nov. 1980	19	19	100%

Nurses Welfare Society :

The Corpus of the fund amounting Rs. 47,500 out of which Rs. 16,000 is kept in Government securities and Rs. 31,500 kept in Fix Deposit account in the Bank. Interest on the amount is utilised for providing amenities to the Nurses such as subscribing for periodicals, variety entertainments sports, picnics, send off functions for retiring members, academic prizes according to donor's wishes and also giving loans to the Nurses during their difficulties.

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

2,221 members were on the roll at the end of the Co-operative year ending 30th June 1980. The share Capital stands to Rs. 4,59,930 on 30th June 1980 as against Rs. 4,63,700 on corresponding date of previous year. The amount of loans granted to the members Rs. 3,351,360 as against 32,33,100 in the previous year. The society declared Dividend @9% on the Share amount held by the members. The accounts of the Society are being audited by the Professional Internal Auditors, Chartered Accountants as well as by the Government Auditors."

Poor Box Charity Fund :—

A sum of Rs. 8,73,894.92 was spent out of the Poor Box Charity fund in the year as against Rs. 2,91,532.01 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. Donations of Rs. 2,50,780.77 were received from patients Philanthropic bodies individuals. In addition to cash donations, small donations in kinds also received.

Foot Handler's Scheme :—

3,177 persons were directed for examination by H. O.'s Department from 1st January 1980 to 31st December 1980 out of which only 673 persons attended for exam. 109 persons did not give their stool, blood for pathological exam. In all 390 fit and 174 unfit certificates were issued during the year under report.

C. K. DESHPANDE,
Dean

K.E.M. Hospital and Seth G.S. Medical
College.

APPENDIX No. 1.

Statement showing the Distribution of Beds According to Classification of Department, Sex and Units.

Department	Head of the Units	Male	Female	Children	Un- Classified	Total
Medical	.. Dr. (Smt.) V. N. Acharya	20	12	..	..	32
	.. Dr. F. D. Dastur	20	12	..	..	32
	.. Dr. G. H. Tilve	20	12	..	..	32
	.. Dr. B. D. Pimparkar	20	12	..	..	32
	.. Dr. C. P. Dalvi	20	12	..	..	32
	.. Dr. P. D. Anjaria	20	12	..	..	32
Tetanus	.. Dr. F. D. Dastur	12	7	5	..	24
A. K. Deptt.	.. Dr. (Smt.) V. N. Acharya	12	4	2	..	18
Div. of End Metab.	.. 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. M. L. Vaze	24	6	..	..	30
	.. Dr. S. D. Deodhar	24	6	..	..	30
Gastroent	.. Dr. R. A. Bhalerao	8	2	2	..	12
Ophthalmic	.. Dr. B. T. Maskati	18	9	3	..	30
	.. Dr. T. N. Ursekar	18	9	3	..	30
Gynac	.. Dr. V. N. Purandare	..	14	..	..	14
	.. Dr. (Miss) N. D. Motashaw	..	14	..	..	14
	.. Dr. M. R. Narvekar	..	14	..	..	14
	.. Dr. (Mrs.) 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. (Mrs.) S. J. Joglekar	..	44	..	..	44
Skin & venereal	.. Dr. Fui Fernandes	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. V. N. Bagadia	18	8	4	..	30
	.. Dr. D. R. Doongaji	18	8	4	..	30
Neuro-Surgical	.. Dr. S. K. Pandya	18	10	8	..	36
Neurology	.. Dr. V. P. Mondkar	22	6	4	..	32
Pead.-Medical	.. Dr. M. D. Shah	..	..	30	2	32
	.. Dr. N. B. Kumta	..	..	30	2	32
	.. Dr. (Mrs.) P. W. Kandoth	..	..	30	2	32
Plastic Surgery and Burns.	.. Dr. K. S. Goleria	16	14	10	12	52
Cardio-Vascular and Thoracic Surgery.	.. Dr. G. B. Parulkar	18	11	3	..	32
	.. Dr. S. R. Pandey	18	11	3	..	32
Cardiology	.. Dr. I. J. Pinpo	16	5	4	..	25
	.. Dr. A. S. Vengsarkar	16	5	4	..	25
Chest-Clinic	.. Dr. S. R. Kamat	15	12	3	..	30
Pead-Surg.	.. Dr. R. K. Gandhi	..	..	40	..	40
Urology	.. Dr. D. S. Pardhanani	16	9	5	..	30
Drug Trial	.. CIBA	..	..	..	10	10
	.. CIPLA	..	..	..	10	10
	.. UNICHEM	..	..	..	10	10
Total		689	581	265	60	1595

N. B.— 1. Medical beds are inclusive of beds to Haemtology and Gastroenterology as under—

	M	F	C	Total
Haematology	4	2	..	6
Gastroenterology	4	2	..	6

2. Surgical beds are inclusive of 6 beds for Endocrinology and Metabolic Disorders—1 bed each under each unit.

APPENDIX No. IA.

Statement showing the distribution of beds according to wards, services and Heads.

Ward No.	Service	Name of the Head of the service.	Unitwise allocation of beds.	Total scheduled strength of ward.
1	2	3	4	5
I	Paediatric Medical	Dr. M. D. Shah	30	60
		Dr. N. B. Kumta	30	
II	Paediatric Medical	Dr. P. W. Kandoth	30	60
	Paediatric Surg.	Dr. R. K. Gandhi	15	
	Psychiatric	Dr. D. R. Doongaji	4	
	Psychiatric	Dr. V. N. Bagadia	4	
	Neurology	Dr. V. P. Mondkar	4	
	Div. of Endocrinology and Metb. disorders.	Dr. S. D. Bhandarkar	3	
III	Gastroentrolgy	Dr. R. A. Bhalerao	2	49
	Aural	Dr. K. L. Shah	10	
	Aural	Dr. P. P. Karnik	9	
	Paed. Surgical	Dr. R. K. Gandhi	25	
	Urology	Dr. D. S. Pardnani	3	
IV	Medical	Dr. V. N. Acharya	12	50
	Do.	Dr. G. H. Tilve	12	
	Do.	Dr. P. D. Anjaria	12	
	Div. of End. and Metab.	Dr. S. D. Bhandarkar	6	
	Psychiatric	Dr. V. N. Bagadia	8	
IVA	Medical	Dr. F. D. Dastur	12	50
	Do.	Dr. B. D. Pimparkar	12	
	Do.	Dr. C. P. Dalvi	12	
	Psychiatric	Dr. D. R. Doongaji	8	
	Neurology	Dr. V. P. Mondkar	6	
V	Surgical	Dr. R. D. Bapat	24	48
	Do.	Dr. C. V. Patel	24	
VI	Surgical	Dr. A. B. Samsi	20	48
	Dn.	Dr. M. L. Vaze	20	
	Urology	Dr. D. S. Pardnani	8	
VII	Surgical	Dr. R. A. Bhalerao	19	54
	Do.	Dr. S. D. Deodhar	19	
	Aural	Dr. K. L. Shah	8	
	Do.	Dr. P. P. Karnik	8	
VIII	Surgical	Dr. R. A. Bhalerao	6	34
	Do.	Dr. A. B. Samsi	6	
	Do.	Dr. R. D. Bapat	6	
	Do.	Dr. C. V. Patel	6	
	Do.	Dr. M. L. Vaze	6	
	Do.	Dr. S. D. Deodhar	6	
	Aural	Dr. K. L. Shah	6	
	Do.	Dr. P. P. Karnik	7	
	Urology	Dr. D. S. Pardnani		
	IX	Medical	Dr. B. D. Pimpalkar		20	40
Do.		Dr. P. D. Anjaria	20	
X	Psychiatric	Dr. V. N. Bagadia	7	34
	Do.	Dr. D. R. Doongaji	7	
	Neuro-surgery	Dr. S. K. Pandya	18	
	Neurology	Dr. V. P. Mondkar	22	
XI	Medical	Dr. F. D. Dastur	20	50
	Medical	Dr. G. H. Tilve	20	
	Div. of End. and Metab.	Dr. S. D. Bhandarkar	10	
XII	Medical	Dr. V. N. Acharya	20	40
	Do.	Dr. C. P. Dalvi	20	
XIII XIIIA	Ophthalmic	Dr. B. T. Maskati	30	60
	Do.	Dr. T. N. Ursekar	30	

APPENDIX No. IA.—Concl.

Ward No.	Service	Name of the Head of the service.	Unitwise allocation of beds.	Total scheduled strength of ward.	
1	2	3	4	5	
XIV	} Obstretic	Dr. V. N. Purandare	.. 44	} 182	
XIVA		Do.	.. 44		
L.W.D.		Do.	.. 44		
W.W.D.		Do.	.. 44		
P.O.W.		Do.	{ Dr. M. D. Shah .. 2		
PPS.		} Prematurity	{ Dr. N. B. Kumta .. 2		
	{ Dr. L. W. Kandoth .. 2				
XV	} Gynaec	Dr. V. N. Purandare	.. 14	} 56	
XVA		Do.	.. 14		
		Do.	.. 14		
		Do.	.. 14		
XVI/ XVIA.	} Plastic Surgery & Burns	Dr. K. S. Goleria	.. 52	} 52	
XVII	} Isolation	.....	.. 6	} 38
XVIII		} Skin and Venereal	Dr. R. J. Fernandes		.. 32
XIX	} Psychiatric		Dr. V. N. Bagadia	.. 11	} 22
		Do.	Dr. D. R. Doongaji	.. 11	
XX	} Surgical	Dr. A. B. Samsi	.. 4	} 10	
		Dr. M. L. Vaze	.. 4		
		Dr. R. A. Bhalerao	.. 2		
XXI	} Aural	Dr. K. L. Shah	.. 6	} 12	
		Do.	Dr. P. P. Karnik		.. 6
XXII	Tetanus	Dr. F. D. Dastur	.. 24	24	
XXIII	} Gastroentology Thoracic Surgery	Dr. R. A. Bhalerao	.. 8	} 16	
		Do.	Dr. G. B. Parulkar		.. 4
		Do.	Dr. S. R. Pandey		.. 4
XXIV	} Drug Trial	Ciba	.. 10	} 3	
XXIVA		Cipla	.. 10		
		Unechem	.. 10		
XXV	} Orthopaedic	Dr. R. M. Bhansali	.. 30	} 40	
		Do.	Dr. A. V. Bevdekar		.. 10
XXVI	} Orthopaedic	Dr. R. M. Bhansali	.. 30	} 40	
		Do.	Dr. A. V. Bavdekar		.. 10
XXVII	} Orthopaedic	Dr. A. V. Bavdekar	.. 20	} 40	
		Do.	Dr. R. S. Dhir		.. 20
XXVIII	} Orthopaedic	Dr. A. V. Bavdekar	.. 20	} 40	
		Do.	Dr. R. S. Dhir		.. 20
XXIX	} Orthopaedic	Dr. L. N. Vora	.. 30	} 40	
		Do.	Dr. R. S. Dhir		.. 10
XXX	} Orthopaedic	Dr. L. N. Vora	.. 30	} 40	
		Do.	Dr. R. S. Dhir		.. 10
XXXI	} Thoracic surgery	Dr. G. B. Parulkar	.. 28	} 56	
		Do.	Dr. S. R. Pandey		.. 28
XXXII	} Cardiology Chest clinic	Dr. I. J. Pinto	.. 25	} 55	
		Do.	Dr. S. R. Kamath		.. 30
KXXIII	Neuro-surgery	Dr. S. K. Pandya	.. 18	18	
KXXIV	A. K. D.	Dr. V. N. Acharya	.. 18	18	
XXXV	Cardiology	Dr. A. S. Vengsarkar	.. 25	25	
LIC	Urology	Dr. D. S. Pardanani	.. 14	14	
M.S.W.	} Surgical	Dr. R. A. Bhalerao	.. 5	} 10	
		Do.	Dr. S. D. Deodhar		.. 5
Total			..	1595	

APPENDIX II

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

Department	Sex	In the Hospital at the Mid-night of 31-12-79	Admitted during the year 1980	Total treated	Discharged		Died	In the Hospital at the mid-night of 31-12-80
					Cured	other-wise		
MEDICAL	Male	220	8,621	8,841	6,509	824	1,317	191
	Female	112	4,153	4,265	3,027	503	635	100
	Male Child	9	196	205	96	46	60	3
	Female Child	3	132	135	67	29	34	5
SURGICAL	Male	124	7,531	7,655	6,079	935	494	147
	Female	34	2,123	2,157	1,236	630	242	49
	Male Child	...	57	57	41	15	1	...
	Female Child	...	31	31	22	9	...	...
OPHTHALMIC	Male	37	1,134	1,171	976	168	2	25
	Female	17	688	705	612	70	1	22
	Male Child	3	74	77	44	32	1	..
	Female Child	2	50	52	34	17	1	..
GYNAEC	Female	62	2,886	2,948	2,813	85	7	43
	Female Child	..	..	..	..	..	..	..
SKIN & VENERAL	Male	10	257	267	127	122	2	16
	Female	7	80	87	45	35	..	7
	Male Child	4	16	20	14	5	..	1
	Female Child	1	9	10	2	6	..	2
AURAL	Male	27	835	862	629	198	12	23
	Female	10	633	643	447	179	8	9
	Male Child	2	346	348	270	73	..	5
	Female Child	1	276	277	211	64	..	2
ORTHOPAEDIC	Male	283	2,490	2,773	1,894	544	85	250
	Female	128	971	1,099	706	238	48	107
	Male Child	33	498	531	327	169	1	34
	Female Child	25	233	258	140	90	2	26
PSYCHIATRIC	Male	14	691	705	262	410	4	29
	Female	8	350	358	203	138	2	15
	Male Child	...	12	13	5	8	..	..
	Female Child	..	9	9	4	5	..	..
NEUROSURGERY	Male	17	358	375	254	65	39	17
	Female	8	156	164	107	32	21	4
	Male Child	2	102	104	81	12	4	7
	Female Child	1	65	66	38	15	11	2
NEUROLOGY	Male	20	196	216	109	85	14	8
	Female	6	88	94	41	43	4	6
	Male Child	...	42	42	27	13	1	1
	Female Child	..	29	29	18	8	3	..
PAEDIATRIC MEDICAL	Male Child	50	1,870	1,920	984	520	383	33
	Female Child	37	1,365	1,402	682	437	260	23
OBSTRETIC	Female	147	7,700	7,847	7,409	274	20	144
	Male Child	..	1	1	1	..	..	..
	Female Child	..	..	..	..	..	..	..
D. pt. of Endo. crinology & Metabolic disorder	Male	6	92	98	20	59	9	10
	Female	5	114	119	36	73	6	4
	Male Child	..	..	..	..	..	..	..
	Female Child	..	1	1	..	..	1	..

APPENDIX II—Contd.

Department	Sex	In the Hospital at the Mid-night of 31-12-79	Admitted during the year 1980	Total treated	Discharged		Died	In the Hospital by the mid-night of 31-12-80
					Cured	other-wise		
PLASTIC SURGERY	Male	23	266	289	83	183	2	21
	Female	10	103	113	28	76	1	8
	Male Child	7	86	93	25	65	..	3
	Female Child	3	48	51	15	35	..	1
THORACIC-SURGERY	Male	39	388	427	171	178	48	30
	Female	15	326	341	139	155	24	23
	Male Child	6	61	67	29	20	17	1
	Female Child	3	42	45	16	17	8	4
PAEDIATRIC SURGERY	Male Child	35	1,682	1,717	1,191	435	62	29
	Female Child	16	843	859	614	180	48	17
CARDIOLOGY	Male	22	414	436	264	127	29	16
	Female	6	226	232	157	48	19	8
	Male Child	7	104	111	84	18	6	3
	Female Child	7	72	79	59	10	8	2
CHEST Clinic	Male	14	420	434	170	192	58	14
	Female	8	256	264	72	154	28	10
	Male Child	...	10	10	4	5	1	..
	Female Child	...	9	9	...	3	4	2
UROLOGY	Male	12	356	368	220	120	10	18
	Female	5	40	45	27	18	..	..
	Male Child	..	3	3	3	..	..	..
	Female Child	..	..	..	..	..	..	..
HAEMATOLOGY	Male	9	187	196	93	64	34	5
	Female	6	61	67	18	39	7	3
	Male Child	..	..	..	..	..	..	..
	Female Child	..	3	3	3	..	..	..
PHARMACOLOGY	Male	..	78	78	38	34	..	6
	Female	..	4	4	2	2	..	..
	Male Child	..	..	..	..	..	..	..
	Female Child	..	2	..	2	..	..	..
TOTAL	Male	877	24,314	25,191	17,898	4,308	2,159	826
	Female	594	20,958	21,552	17,125	2,792	1,073	562
	Male Child	158	5,161	5,319	3,226	1,436	537	120
	Female Child	99	3,219	3,318	1,927	925	380	86
GRAND TOTAL		1,728	53,652	55,380	40,176	9,461	4,149	1,594

APPENDIX III

Statement of out-patients New O. P. D. Casualty according to the Department and Sex during the year 1979.

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 ..	3,364	1,351	43	41	4,799	31,470	16,844	1	4	48,351
B—Surgical ..	6,437	1,556	84	43	8,120	24,222	9,186	114	66	33,588
C—Ophthalmic ..	373	110	18	9	516	13,779	6,882	1,307	894	22,865
D—Gynaec ..	—	39	—	..	39	..	14,134	..	8	14,142
E—Dental ..	40	11	1	..	52	7,730	5,367	1,066	792	14,955
F—Skin ..	55	13	5	2	75	19,491	6,433	4,073	3,338	33,340
G—Aural ..	455	146	40	17	658	11,918	7,115	2,693	2,193	23,919
H—Orthopaedic..	20,47	488	150	72	2,749	20,344	9,322	3,405	1,730	34,801
I—Psychiatric ..	7	7	1	..	15	4,029	2,521	530	305	7,453
J—Neuro Surgery	9	..	1	..	10	1,123	560	357	172	2,212
K—Neurology ..	4	1	1	..	6	862	433	148	103	1,546
L—Paediatric Med.	..	..	474	249	723	..	..	7,705	5,570	13,275
M—Obstetric ..	..	69	..	..	69	..	6,157	..	..	6,157
N—Dispensary..	..	..	..	..	..	545	126	15	6	992
O—Diabetic ..	..	1	..	..	1	992	604	18	10	1,624
P—Plastic Surg. ..	739	87	38	15	879	301	211	156	87	755
Q—Thoracic Surg.	..	1	..	1	2	1204	764	216	132	2,316
R—Paed. Surg. ..	..	..	483	263	746	..	..	524	257	781
S—G.I.C. ..	..	..	..	..	..	169	70	5	2	246
T—Cardiology ..	..	..	..	..	..	1684	1,121	309	225	3,339
U—Endocrinology	..	1	..	..	..	142	384	22	19	567
W—Chest-Clinic..	..	1	..	..	1	1213	639	72	64	1,988
X—Epilepsy ..	..	..	..	..	..	728	381	367	258	1,734
Y—Urology ..	..	..	..	..	..	732	112	12	5	861
Z—Municipal Staff	..	..	..	..	..	13	2	..	..	15
2—Arthritis Clinic	..	..	..	..	..	159	190	10	4	363
3—Sports Clinic ..	..	..	..	..	..	324	33	4	1	364
4—Haematology ..	..	..	..	..	..	355	117	75	43	590
5—Casualty	..	..	..	..	..	59,495	19,251	11,600	6,399	96,745
7—Pneumococcosis	..	..	..	..	..	5	..	..	..	5
8—Airpollution	..	..	..	..	..	8	4	..	..	12
Grand Total ..	13,536	3,873	13,39	712	19,460	2,03,107	1,08,970	34,804	22,687	3,69,588

APPENDIX IV

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

Particular	1979-80		1980-81	
	In-patient	Out-patient	In-patient	Out-patient
I—Establishment ..	26.17	10.89	32.01	10.95
II—Contingencies ..	2.46	0.59	3.63	0.69
III—Equipment ..	1.75	0.63	1.93	0.67
IV—Drug & Medicine	15.23	4.83	15.55	5.31
V—Diet ..	3.17	..	4.02	..
VI—Stores ..	3.69	1.49	2.52	6.58
VII—Repairs and Maint. ..	3.00	0.98	3.46	1.95
Total	55.47	19.43	63.12	26.15
6—Medical Check-up ..	..	..	..	..
V—Anthama ..	8	4	..	..

APPENDIX V

Results of Examinations

Name of Examination	April 1980		October 1980	
	Appeared	Passed	Appeared	Passed
1st M.B.B.S.	30	28	162	149
2nd M.B.B.S.	153	141	113	100
3rd M.B.B.S.	65	46	158	123
F.Y.O.T.	41	25	22	20
S.Y.O.T.	22	13	15	9
T.Y.O.T.	19	18	..*	..*
F.Y.P.T.	46	37	10	10
S.Y.P.T.	39	34	10	8
T.Y.P.T.	22	17	..*	..*
M.Sc. (Occupational Therapy)	5	5	..	..
M.Sc. Physical Therapy	5	4	..	..
M.D. (Medicine)	5	1	13	5
M.D. (Obst. & Gyn.)	20	6	31	19
M.D. (Pharmacology)	1	..	2	2
M.D. (Paediatric)	19	8	20	14
M.D. (T.B. & Chest)	1	..	1	1
M.D. (Skin discascs)	1	1	1	1
M.D. (Anaesthesia)	9	5	6	4
M.D. (Prev. & Soc. Med.)	2	1	4	..
M.D. (Radiology)	2	..	5	3
M.D. (Psychological Med.)	3	2	8	6
M.D. (Human Physiology)	1	..	3	3
M.D. (Neurology)	1	1	..	..
M.D. (Cordiology)	8	3	7	6
M.D. (Microbiology)	..	..	1	..
M.D. (Pathology)	3	1	3	3
M.S. (Gen. Surgery)	9	5	11	3
M.S. (Orthopaedics)	17	7	13	3
M.S. (E.N.T.)	3	1	4	2
M.S. (Ophthalmology)	1	1	3	3
M.S. (Human Anatomy)	3	3	..	..
M.S. (Neuro Surgery)	1	..	1	..
M.S. (Thoracic Surgery)	1	1	..	..
M.S. (Paed. Surgery)	2	2	1	1
M.S. (Plastic Surgery)	2	1	2	1
D.A.	9	8	7	6
D.V.D.	1	1	1	1
D.P.H. (part-I)	4	3	2	2
D.P.H. (Part-II)	1	1	2	1
D.P.M.	4	4	11	9
D.M.R.D. (Part-I)	1	..	6	5
D.M.R.D. (Part-II)	1	..	4	3
D.M.L.T.	11	9	..	..
M.Sc. (Bioch.) by paper—I	12	10	3	3
M.Sc. (Bic ch.) by paper—II	12	12	..	..
M.Sc. (Applied Biology)	3	3	..	..
M.Sc. (Bioch.) by Research	4	4	..	..
M.Sc. (Microbiology) by Research	1	1	..	..
Ph.D. (Pharm)	2	2	..	..
Ph.D. (Micro)	1	1	..	..
Ph.D. (Applied Biology)	1	1	..	..

October Examinations are held in January/February and the results are not declared so far.

APPENDIX No. VI

RESEARCH

Department of Preventive and Social Medicine :**Completed :—**

- (1) A study of Fertility patterns and Practice of Family Planning in Greater Bombay. (Dr. D. N. Pai).

Incompleted :—

- (1) Comprehensive Study of Condom and oral Pill users. (Dr. D. N. Pai).
- (2) A study Psychological perspectives of contraception behaviour. (Dr. D. N. Pai).

Department of Pharmacology :**Biochemical Pharmacology Lab :—**

- (1) Bioavailability of Furazolidone.
- (2) Bioavailability of Iodochloroquinoline and Furazolidone.
- (3) Half life of antipyrine in anaemic patients.
- (4) Comparative studies of antipyrine levels in serum and saliva.
- (5) Studies on platelet aggregation in diabetic and portal hypertension patients.
- (6) Lithium levels in psychiatric patients.

Microbiology Unit :

It is started functioning from January 1980, supported by grants from P. C. I. The following projects were conducted.

- (1) Effectiveness of various antibacterial agents in the experimental model in infection in the rats were tested.
- (2) Kinetics of cephaloridine, Amoxicillin, Gentamycin and Rifampicin in serum, saliva milk and interstitial fluid of goats were studied.
- (3) Bioavailability of Amoxicillin Capsules, Rifampicin Capsules and Rifampicin Trikatu capsules were studied in human volunteers.

Project under Clinical Pharmacology Unit :

- (1) Diet and alpha methyl dopa bioavailability.
- (2) Effect of food on bioavailability of drugs and formulations.
- (3) Theophylline bioavailability.
- (4) Centbutindole—as an Anaesthetic agent.
- (5) Centbutindole as an antipsychotic drug.
- (6) Gugulipid in hypercholesterolemia.
- (7) Curcumin as an anti-inflammatory agent : A double blind study in collaboration with department of Obstetrics and Gynaecology.
- (8) Centchroman a non steroidal contraceptive phase I study.
- (9) Effect of Tromaril on urine and electrolytes outputs.
- (10) Ibuprofen dose schedules—two versus three times a day.

WHO Projects :

- (1) Metabolic study with Inj. Net-oen.
- (2) Plasma renin activity in oral pill users.
- (3) T3 T4 estimations in oral pill users.
- (4) Metabolic studies with intramuscular sulprostone used as abortifacient.
- (5) Effectes of different drug regimes on side effects of IUD (Bleeding and pain).
- (6) Effect of combination type oral contraceptives on alphas methyl dopa metabolism.
- (7) Drug hormone interaction Rifampicin and aspirin (IRR).
- (8) Coagulation studies following intra-amniotic injection of hyperosmolar urea for abortion

Department of Biochemistry and Nutrition :

- (1) Study of lipid pattern in certain diseases and altered states of nutrition with special reference to red cells.
- (2) Study of Lecithin cholesterol acyl transferease (LCAT) in altered states of metabolism and nutrition.
- (3) Study of Lactic dehydrogenase and alkaline phosphatase isoenzymes in malnutrition and certain other disorders.
- (4) Effect of low proteins diet on DNA and RNA of brain and other tissues of rats.
- (5) Biochemical studies of Experimental urotithiasis.

Department of Anatomy :

- (1) Time, uncertainty, relativity & Normality in Modern Medicine.—Dr. Lopa A. Mehta Dr. M. L. Kothari.
- (2) Dictates of our Cells Dr. Lopa A. Mehta, Dr. M. L. Kothari.
- (3) The raison d'être of hip adductors and their role in fractures of femoral neck.—Dr. Lopa A. Mehta, & Dr. M. L. Kothari.
- (4) Bone and joint manifestations of guinea-worm infestation.—Dr. Lopa A. Mehta and Dr. M. L. Kothari.

(5) Borderland between matter and man.—Dr. Lopa A. Mehta, & Dr. M.L. Kothari.
 (6) Principles of embryology. —Dr. Lopa A. Mehta & Dr. M. L. Kothari.—Dr. M. N. Mahendrakar, Dr. Mrs. Anasuya Rao & Dr. (Miss) M. K. Kadam have been promoted as Reader from 12th November 1980.

Seth Dhurmal Bajaj Orthopaedic Centre & Research Institute :

“ Effect of Low intensity direct current on Bone healing” is continuing from 1st October 1979 to 31st September 1981.

- (1) Study of Homogenous bone graft and Bone from Bone Bank.
- (2) Reconstruction of Anterior Cruciate Ligament in Sportsmen.
- (3) Immediate anterior decompression in Traumatic spine cord-injuries.
- (4) Arthroscopy.
- (5) Fixation of infected un-united fractures in external fixator or internal fixation.
- (6) Arthrography of the hip for C. D. H. and other forms of arthritis of the hip including Perthes.
- (7) Internal fixation of traumatic spine-using Harrington rods.

Tetanus Unit ;

ICMR project on Clinical and electrophysiological studies in tetanus. Cephalic tetanus and tetanus neuropathy have been studied and the data published. At present the precise mechanism of Trismus is being analysed electrophysiologically.

Prophylactic immunization with 1 dose vaccine :

This work subsidised by Glaxo Laboratories (India) Ltd., is still progress. Three clear facts have emerged.

- (a) Naturally acquired antitoxin occurs in a significant percentage of the population.
- (b) That this interferes with subsequent immunization with tetanus toxoid by inducing a state of partial tolerance.
- (c) A single dose of 250 Lf toxoid in an unimmunized individual confers protection for 5 years without side effects.

This data presented at Xth Conference on communicable diseases, Bombay, January 1981 Paper entitled “Building Immunity against Tetanus in India” is Submitted to British Medical Journal

Hematology Activities :

- (1) Effect on Iron deficiency on myocardial function as assessed by stress testing.
- (2) Effect of Iron deficiency on nerve conduction.
- (3) Effect of Iron deficiency on concentration ability.
- (4) Treatment of “aplastic anemia” with “fetal liver cell infusion.”
- (5) Effect of iron deficiency on abnormal Hbs in cases of heterozygous HbS, HbD, and HbE, disorders.
- (6) Effect of megaloblastic anemia on Hb A2 level.
- (7) Assessment of B lymphocyte function in Iron deficiency anemia.
- (8) Abnormal HbS in myeloproliferative disorders.
- (9) Study of delta-AcA levels in serum and urine in cases of thalassemia.
- (10) Study of oagulation changes in acute pancreatitis in an experimental model.
- (11) Family studies in cases of IDA and thalassemia to assess the role of diet in causation of IDA and protection against IDA in thalassemia.

Department of Psychiatry :

- (1) A Study of neuropsychiatric complications and cognitive deficiency in patients under open heart surgery.
- (2) Excessive smoking : psychiatric study and b-haviour therapy.
- (3) A study of Emotional factors in myocardial infarction
- (4) A study of Emotional factors in Psychosomatic disorders of the Gastro intestinal system.

Above Research projects are carried out in Dr. V. N. Bagadia's Unit.

Research projects in Dr. D. R. Doonji's Unit :—

- (1) Single V/s multiple dose, double blind study of Clobzam v/s Diazepam.
- (2) Study of Schizophrenia Rorschach Protocol in two different populations.
- (3) Study of Blood Platelet's MAO activity and Urinary PEA levels in Indian Psychiatric patients.
- (4) Standardization of MMPI for Indian Population.
- (5) Psychological sequale of Medical termination of pregnancy in married and unmarried females after the first and repeated abortions.
- (6) Effect of three modalities of ECT on fronto-temporoparietal lobe functions.
- (7) Effects of penfluridol on psychophysiological and psychopharmacological correlates in schizophrenia.
- (8) Effect of Iron Deficiency and other kinds of anaemias on human performance.
- (9) Early clinical evaluation of “Centbutindole”—a new neuroleptic.
- (10) The influence of Planetary constellation on certain psychiatric and physical disorders
- (11) Abstraction capacity—Is it a function of pathology level, premoribid intelligence or education?

Physiotherapy Department :

Research projects in collaboration with the Departments of Medicine, Artificial Kidney Dept. and Tetanus Unit (Some of them are under I. C. M. R.) are being continued at the E. C. I. Institute of Electrophysiology. Research Papers dealing with clinical problems and of fundamental nature were presented at the various conferences, both national and international.

Division of Endocrinology and Metabolic Disorders :

(1) The I. C. M. R. Collaborative Study on "Sulfonylureas in Diabetics on Low Calorie Diets" ended on 31st March 1980.

(2) The Research Society Project on "Patterns of Metabolic Bone Disease in Patients with Fracture Neck Femur" ended on 30th September 1980.

(3) The Project on "Physical Exercise in the Treatment of Diabetes Mellitus" was continued in collaboration with Mr. H. H. Javle and Miss Sandhya Desai of the Department of Physiotherapy. A paper arising out of this work was read by Miss Sandhya Desai (CO-authors : Mr. H. H. Javle, Dr. V. J. Retnam and Dr. S. D. Bhandarkar) at the Annual Conference of Physiotherapist, New Delhi.

(4) A project on "Plasma Immunoreactive Insulin in planning Treatment of Diabetes" was initiated under the auspices of Society for the Help of Diabetes. Chief investigator : Dr. V. J. Retnam Lecturer.

Co-investigator Dr. S.D. Bhandarkar, Hon. Prof. of Medicine (Endocrinology) Hon. Physician in-charge of Division of Endocrinology & Metabolic Disorders.

(5) A project on "Therapy of Resistant Diabetes Mellitus with Chromium (III)" was initiated under the auspices of Seth G. S. Medical College & K. E. M. Hospital Research Society.

Chief investigator : Dr. S. D. Bhandarkar.

Co-investigator : Dr. V. J. Ratnam, and Dr. R. S. Satoskar (Prof. & Head Dept. of Pharmacology).

(6) The following projects were initiated jointly with the Clinical Pharmacology Division of the Dept. of Pharmacology.

(a) Effect of the type of cereal in the diet on the control of diabetes.

(b) I. V. G. T. T. in man, an experimental model for Evaluation of new oral anti-diabetic drugs.

(c) Antipyrine metabolism in hyper and hypothyroid states.

(d) Platelet function in diabetics.

(7) A project on I. V. G. T. T. in dogs, an experimental model for evaluation of hypoglycemic drugs, was initiated with Dr. R. D. Bapat, Prof. of Surgery.

(8) A project on "Glucose Tolerance in Chronic Renal Failure" was initiated together with the Division of Nephrology Dept. of Medicine. It forms the subject matter of the M. D. desertation of an M. D. student and has already shown interesting results.

(9) A project on "Evaluation of Renal Function in Psychiatric patients on Lithium Carbonate" was initiated together with Dr. D. R. Doongaji, Hon. Prof. Department of Psychiatry.

(10) Dr. V. J. Retnam Co-authored with Dr. P. J. Mehta a book titled "Clinical Endocrinology for Students and Practitioners", which was published in 1980.

(11) The Division participated in a half-day continuing education teaching session for the general practitioners organised by the Society for the Help of Diabetics and The R. J. Vakil Trust, in December 1980. Dr. S. D. Bhandarkar, Dr. V. J. Retnam and Dr. N. Rais presented papers. Mrs. Gupte, Dietician to the Division, along with others dieticians in the hospital (Mrs. Meena Prabhu and Mrs. Sheetal Mahamunkar) presented an exhibit on "Diet for the Diabetics.

(12) Miss Manju Deb (Technician) attended the Annual Conference of All India Clinical Biochemists Association at Manipal in December 1980.

APPENDIX VII**PUBLICATIONS****Department of Pharmacology :**

(1) Gupta K. C. Paul, T., Manikeri S., Kulkarni V. N., Pispati P. K. and Sheth U. K.; Effect of three dosage schedules of fluribitproten on platelet function and coagulation, *Ind. J. Med., Res.*, 72,434-440, 1980.

(2) Joshi J. V., Joshi U. M., Sankolli G. M., Gupta K. C., Rao A. P., Hazari K., Sheth U. K. Saxena B. N. : A study of interaction of a low-dose combination oral contraceptive with anti-tubercular drugs, *J. Contraception.* 21(6) 617-630, 1980.

(3) Gupta K.C., Desai N. K., Paul T., Sheth U. K.; Plasma levels of trimethoprim and sulpho namide after administration of trimethoprim sulfamethoxazole and trimethoprim sulfamexole, *Ind. J. of Clin Pharm., Therapy & Toxicology*, 18, 536-537, 1980.

(4) Bapat A. R., Kshirsagar N. A., Bapat R. D. : Epidural morphine in treatment of chronic pain, *J. Postgrad Med.*, 26, 242-245, 1980.

(5) Bapat A. R., Kshirsagar, N. A., Padmashree R. B., Bhagtani K. C., Bapat R. D., Parulkar G. B. : Improvement in peripheral perfusion in peripheral vascular disease cases with epidural morphine, *J. Postgrad. Med.* 26(4) 246-249, 1980.

(6) Bapat A. R., Kshirsagar N. A., Bapat R. D.; Epidural Pethidine, *Br. J. of Anaesthesia*, I 637, 1980.

(7) Kshirsagar N.A., Paul T., Sheth U. K. : Natriuretic activity of tromaril (RH-8) A non-steroidal antiinflammatory agents, in normal volunteers, *Br. J. Clin. Pharma.* 9, 530-531, 1980.

- (8) Kshirsagar N. A., Athanikar N. N. Zha A., Seth U. K., : Comparison of P. G., synthetase inhibitor activity of Tromaril (RH-8) and Indomethacin, J. of Association of physicians of India. 28, 39-41, 1980.
- (9) Kshirsagar N. A., Pahujani S., Sheth U. K., : Effect of food & formulation on Bioavailability of Tromaril, J. of Association of Physicians of India. 28 64 66 1980.
- (10) Desai N. K., Sheth U. K., Mucklon J. C. Fraser H. S., Bulpitt C. J. Jones S. W. and Dollery C. T. : Antipyrine clearance in Indian villages, Br. J. Clin. Pharm. 9, 387-349, 1980.
- (11) Dahanukar S. A., Sheth U. K., Bhivandikar, Ramnath S. R., Mehta B. C. : Quantitative Assessment of gastrointestinal blood loss in anti-inflammatory drugs : Ind. J. Med. Res., 71, 451-455, 1980.
- (12) Deshpande D. V., Shanbhag V. V., Bhansali S. K., Parikh P. S., and Satoskar R. S., Hot Nodules of the Thyroid J. of Postgrad. Med., 26(2) 99-102, 1980.
- (13) Jathar V. S., Pendharkar R. R., Pandey V. K., Raut S. J., Doongaji D. R., Bharucha M. P. E. and Satoskar R. S. Manic Depressive Psychosis in India and the possible Role of Lithium as a Natural Prophylactic., II-Lithium content of Diet and some Biological Fluids in Indian Subjects J. of Postgrad. Med., 26(1) 39-44, 1980.
- (14) Doongaji D. R., Bharucha M. P. E., Jathar V. S., and Satoskar R. S., Manic Depressive Psychosis in India and the Possible Role of Lithium as a Natural Prophylactic. I-Hypothesis J. of Postgrad. Med. 26(1) 34-38, 1980.

Seth Dhurmal Bajaj Orthopaedic Centre & Research Institute :

- Fracture Neck of Femur in Children—Treated By A. M., Pins —
—By Dr. R. H. Pathak, Dr. M. L. Saraf, Dr. M. N. Shahane, Dr. B. D., Kamdar
—Indian Journal of Surgery —January 1980.

Division of Endocrinology and Metabolic Disorders :

- (a) Chlorpropamide Induce Syndrome of Inappropriate Antidiuretic Hormone Secretion by V. A. Fonseca, Manju Deb, Savita Gokani and S.D. Bhandarkar Journal of Postgraduate Medicine 26 : 127-130, 1980.
- (b) Neurofibromatous with Hypophosphatemic Osteomalacia (Von Recklinghausen-Hernberg Edgren-Swann syndrome). A case report. by V. J. Retnam, D. M. Rangnekar and S. D. Bhandarkar Journal of Association of Physicians of India 28 : 319-322, 1980.
- (c) Wilson's Disease, A case report by N. Rais, D. M. Dalal, S. D. Bhandarkar and V. M. Donde, Journal of Post-graduate Medicine 26 : 149-151, 1980.
- (d) Hyperthyroidism following Hypothyroidism. by S. D. Bhandarkar and V. J. Retnam, Journal of Postgraduate Medicine. 26 : 90-94, 1980.
- (e) Diabetic Ketoacidosis with coma : Its management, by V. J. Retnam and S. D. Bhandarkar, Journal of J. J. Group of Hospitals 25 : 81-86, 1980.

Department of Rheumatology :

- (1) Seronegative spondylarthritis, Guest Editorial. Soman, R.N. Tilve, G. H., Jayakar, V. V. Journal of Postgraduate Medicine, 1980, 26 : 153-4.
- (2) Behcet's Syndrome-A case report, Jayakar, V. V., Tilve G. H., Fernandes, R. J., Rege, U. G. Soman R. N.; Journal of Postgraduate Medicine, 1980, 26 : 201-3.
- (3) Seronegative spondylarthritis-Review article. Accepted by the Journal of the Indian Medical Association.

Department of Paediatric Medicine :

- (1) Noonan Syndrome Indian Pediatrics, 703 : 8 1980-Dr. N. B. Kumta, Dr. Vengsarkar, Dr. Usha Mahiskar.
- (2) Evaluation of therapeutic Regimes in Pyogenic Meningitis. Indian Pediatrics 361 : 4 1980 Dr. M. D. Shah, Dr. U. Mahiskar, Dr. Madhuri Kulkarni, Dr. Aparna Tiku.
- (3) Papillon-Lefevre Syndrome with ocular Nystagmus. Journal of Postgraduate Medicine-267 : 1980-Dr. Usha Mhaskar, Dr. M. D. Shah, Dr. Surekha Kulkarni.
- (4) Metabolic Studies of Juvenile Cataract. 30 cases. Indian Pediatrics (under publication) Dr. N. B. Kumta, Dr. Usha Mhaskar, Dr. A. Savliwala, Mr. K. Gaitonde.

Department of Hematology :

- (1) Fanconi Anemia with Primary Pneumococcal Peritonitis-A case report: M. B. Agarwal and B. C. Mehta, Ind. Ped. 16 : 1048-1050, 1980.
- (2) Glanzmann's Thrombasthenia-A report of four cases : B. C. Mehta, M. B. Agarwal and P. C. Bhanotra. Jr. P. G. Med. 26 : 210-212, 1980.
- (3) Pure Red Cell Aplasia with Thymoma: M. B. Agarwal, and B. C. Mehta, J. Ass. Phy. Ind. 28 : 137-139, 1980.
- (4) Congenital Erythropoietic Porphyria - a relatively benign variant : B. C. Mehta and M. B. Agarwal, J. Ass. Phy. Indi. 28 : 251-253, 1980.
- (5) Activation of Systemic Lupus Erythematosus by Antitubercular Drugs : M. B. Agarwal P. D. Anjaria and B. C. Mehta Jr. P. G. Med. 26 : 263-266, 1980.
- (6) Cyclic Oscillations in Leukocyte Count in Chronic Myeloid Leukemia : B. C. Mehta and M. B. Agarwal, Acta. Haematologica 63 : 68-70, 1980.
- (7) Eosinophilia-A review : M. B. Agarwal, Ind. J. Med. Sc. 34 : 203-208, 1980.
- (8) Treatment of Hemophilia with factor VIII Concentrates : M. B. Agarwal and B. C. Meht, Ind. J. Med. Sc. 34 : 226-230, 1980.
- (9) Availability of Iron from Cereal Based Diet : B. C. Mehta, R. K. Hukku and P. D. Bhatt, Ind. J. Med. Sc. : 34 : 107-110, 1980.
- (10) Fecal Blood loss in cases of Iron Deficiency Anemia : B. C. Mehta, S. M. Gupte, S. R. Ramnath and D. S. Katoch, Ind. J. Med. Sc. 34 : 111-115. 1980.

APPENDIX VIII

Seminar's Conference Associations and Papers read.**(1) Department of Pharmacology****Professor R. S. Satoskar :**

- (1) Invited as a temporary adviser and attended meeting of W. H. O. Task Force on Fertility regulation, at Bangkok 17-20 February 1980.
- (2) Chairman at Symposium on Antibiotics at Regional conference of Pharmacologist, Pune 7th August 1980.
- (3) Chairman at Plenary session, XXVI Annual Conference of APPI held at Bombay 1980.
- (4) Member of the Scientific Advisory Committee, Institute for Research in Reproduction Bombay.

Professor S. M. Karandikar :

Invitation for speaking at :—

- (1) National symposium on Bioavailability at Grant Medical College, Bombay 14th Jan. 1980.
- (2) IMA continuing education programme at Bhusaval, 10th Feb. 1980.
- (3) IMA continuing education programme on Tuberculosis at Nasik, 23rd February 1980.
- (4) Bombay branch of Orthopaedic Association for P. G. Programme at Bombay Hospital 21st March 1980.
- (5) Chairman at Symposium at Regional Conference of Pharmacologists Pune 7th Aug. 1980.
- (6) Indian Pharmacological Society's annual conference at Jammu-Tawi 1980.

Insymposium on Clinical Pharmacokinetics at I. P. S. meeting September 30- October 1980.

- (7) Acted as guest editor for a special issue on Pharmacology Srishtigyan-a Marathi Scientific Magazine June 1980.

Dr. (Mrs.) K. C. Gupta :

- (1) Co-authors of paper presented at 24th All India Obstetric and Gynaecological Congress at Chandigarh, 29th to 31st December 80.
- (2) Attended and presented a paper at XIII the Annual Conference of Indian Pharmacological Society held at Jammu, October 1980.

Dr. (Mrs.) S. S. Nayampalli :

- (1) Presented paper at XIII Annual Conference of Indian Pharmacological Society held at Jammu October 1980.
- (2) Co-author of paper presented at XIII Annual Conference of Indian Pharmacological Society held at Jammu October 1980.

Dr. A. B. Varde :

Presented paper at XXVI Annual Conference of Association of Physiologist and Pharmacologist of India held at Bombay on 27th December 1980.

Dr. (Mrs.) N. A. Kshirsagar :

- (1) Organised 6 week Training Programme in Clinical Pharmacology at Seth G. S. Medical College.
- (2) Attended World Conference on Clinical Pharmacology and Therapeutics in 1980, in London and presented a paper.
- (3) Invited to give lecture at Institute of Reproductive Research in their training programmes on EMIT and for Talent search students of ICMR.
- (4) Co-author for paper "Epidural Morphine" which was awarded as best research paper prize at All India Anaesthesia Conference held at Hyderabad in December 1980.
- (5) Attended first International Conference on Immunopharmacology at Brighton—U. K. in August 1980.

Dr. (Mrs.) S. A. Dahanukar :

- (1) Attended regional Conference of Pharmacology at Pune in August 1980 and won "The Dhootpapashwar award for best research paper on indigenous drugs.
- (2) Attended XIII Annual Conference of I. P. S. at RRL Jammu 1980 and presented a paper for Achari Prize contest.

Dr. S. S. Alnapure :

Attended XIII Annual Conference of Indian Pharmacological Society held at Jammu in October 1980 and presented a paper.

Papers presented at various conferences :

- (1) "Effect of Testosterone on platelet aggregation" presented by Dr.(Mrs.) K. C. Gupta at XIII Annual Conference Pharmacological Society held at Jammu in October 1980.
- (2) "Study of plasma renin activity in women using steroid hormonal contraceptives" Presented by P. O. Jarag and Dr. (Mrs.) K. C. Gupta as Co. author at 24th All India Obstetrics and Gynaecology Congress at Chandigarh in December 1980
- (3) "Evaluation of anti-allergic activity of Piper Longum using lung perfusion technique". Presented by Dr. (Mrs.) S. S. Nayampalli at XIII Annual Conference of Indian Pharmacological Society held at Jammu in October 1980.
- (4) "The effect of intravenous and intra cerebroventricular administration of priscol on blood sugar levels". Presented by Dr. S. S. Ainapure and Dr (Mrs.) S. S. Nayampalli as Co-author at XIII Annual Conference of Indian Pharmacological Society held at Jammu in October 1980
- (5) "Effect of Diphenyl hydantion on Reserpine, Apomorphine induced fighting behaviour" Presented by Dr. A.B. Varde at XXVI Annual Conference of Association of Physiologist and Pharmacologist of India held on 27th December 1980 at Bombay.
- (6) "Effect of high protein diet on alphas-methyl dopa Pharmacokinetics and antihypertensive action". Presented by Dr. (Mrs.) N. A. Kshirsagar at World Conference on Clinical Pharmacology and Therapeutics at London in 1980.
- (7) "Antiallergic activity of Piper Longum". Presented by Dr. (Mrs.) S. A. Dahanukar at Regional Conference of Pharmacologist at Pune in August 1980.
- (8) "Antiallergic activity of Piper Longum" Presented by Dr. (Mrs.) S. A. Dhanukar at XIII Annual Conference of I. P. S. at Jammu in October 1980.

Department of Biochemistry and Nutrition :

Three staff members of this department attended the 7th Annual Conference of Association of Clinical Biochemists of India where three research papers were presented.

Department of Physiology :

A seminar was conducted on the "recent Techniques of Resestication" by Dr Das-Gupta for the Physiology staff members.

Dr. Deo, attended the International conference at Budapest (Hungary) in July 1980, and presented the paper on Effects of Malnutrition on the developing cerebellum in Protein Calorie malnutrition.

Dr. Paintal, Dr. Joglekar, Dr. Deo and Dr. Bhardwaj Participated in the Annual Conference of APPI in December 1980, held in Bombay. Dr. (Mrs.) Deo presented a paper on "Physiological and cytotoxic cell death in developing cerebellum in malnutrition. She got Dr. B. K. Anand Research Prize for year 1980-81.

Seth Dhurmal Bajaj Orthopaedic Centre and Research Institute :

- (1) "Multiple A. M. Pinning in Intracapsular Fracture Neck Femur"—By Dr. R. S. Dhir at Silver Jubilee Conference of Indian Orthopaedic Association held in September 1980 at Bombay.
- (2) "Effect of Continuous pelvic traction for Dorso-Lumbar spinal Injuries" —by Dr. N. A. Antao at Indian Orthopaedic Association's Silver Jubilee Conference held in September 1980 at Bombay.
- (3) "Traumatic Paraplegia —Treatment by Continuous Traction" By Dr. M. N. Shahane at the Silver Jubilee Conference of Indian Orthopaedic Association held in September 1980 at Bombay.
- (4) "Surgical Treatment of Spondylolysis and Listhesis"—By Dr. R. M. Bhansali and Dr. Sudhir Joshi at Western Indian Regional Conference of Bombay Orthopaedic Society at Surat in December 1980.
- (5) "Posterior Bone Grafting In infected un-united Fractures of shaft of tibia—By Dr. B. D. Kamdar, Dr. Pinakin Shah and Dr. Rasik Bhansali—at Silver Jubilee Conference of Indian Orthopaedic Association held in September 1980 at Bombay.
- (6) "Arthrolysis in Post-Traumatic massaged Warm, Tender dislocated Elbows"—By Dr. Bharat R. Patel and Dr. A. V. Bavdekar, at Silver Jubilee Conference of Indian orthopaedic Association held in September 1980 at Bombay.

Courses Attended :

Dr. M. N. Shahane attended "Total Hip Course" at Wringhting Hospital, U. K. in August 1980.

Department of Obstetrics and Gynaecology :

Papers Presented :

- (1) Fetomaternal Hemorrhage in Induced abortion S. V. Ramanan, A. Ganguli, U. Krishan, February 1980, Indian Journal of Obst. and Gynaec.
- (2) A New Erythrocyte Sedimentation method for early diagnosis of ABO Incompatibility Jaundice in Neonates. (accepted for Publication in Indian Journal of Paediatrics)

Division of Endocrinology and Metabolic Disorders :

Dr. S. D. Bhandarkar, attended an eight weeks full time course on Radioimmunoassay Techniques (1-12-1980 to 23-1-1981) at the Radiopharmaceuticals Section, Isotope Division, B.A.R.C. Trombay.

Department of E. N. T. :

Dr. M. V. Kirtane presented a paper on Vidian Neurectomy at the annual conference of Maharashtra state branch of A. O. I. held at Mahabaleshwar in October 1980.

Dr. M. V. Kirtane presented a paper on Spontaneous perilymph Fistula at the annual conference of A. O. I. held at Patna in January 1981.

Dr. S. B. Ogale read a paper on 'Fibrous dysplasia of frontal bone' at the annual conference of Maharashtra State Branch of A. O. I. held at Mahabaleshwar in October 1980.

Dr. S. B. Ogale presented a paper on unusual swelling of neck at the annual conference of A. O. I. held at Patna in 1981.

Department of Paediatrics :

Dr. N. B. Kumta :

- (1) Appointed as Consultant Editor on Editorial Board of "Annals of Tropical Paediatrics" published by Academy Press. (Chief Editor—Prof. R. G. Hendrickse).
- (2) I. M. A. (Suburban Branch)—Guest Lecture on "Antenatal Diagnosis". Lecture delivered for General Practitioners.
- (3) Haematology course for General Practitioners—Lecture delivered on "Haematology and Genetics in Paediatrics."
- (4) Maharashtra Ophthalmic Convention—on panel discussion on "Uveitis."
- (5) 7th Annual Conference of Indian Society of Human Genetics Ranchi. One of the speakers on the Symposium "The Child with Handicap." and "Obstetrics and Genetics".
- (6) Hurkisondas Hospital Research Society—Symposium on "Problems in tuberculosis" and at Oberio Hotel—Lecture on "Problems in Diagnosis of Childhood tuberculosis."
- (7) VII National Conference of Communicable disease—Invited Guest Speaker on "Need based Medical Education in Communicable diseases—present and future."
- (8) W. H. O. Sponsored "Workshop in Neonatology"—Appointed W. H. O. Advisor and organised the Neonatology workshop with help of staff of Department of Paediatric November 1980.
- (9) Dr. N.B. Kumta was invited to be a member of expert Committee on "Tuberculosis preventional trial" I C M R project at New Delhi.
- (10) Dr. N. B. Kumta was invited to speak on 'Lactation failure' in National workshop of Indian Academy of Paediatrics.

Dr. M. D. Shah :

- (1) Attended Conference of Association of Physicians in India, in Trivendrum, in January 1980.
- (2) One of the panel members on discussion "Diabetes in Children and Adolescents" at Trivendrum.
- (3) Attended Annual Conference of Indian Academy of Paediatrics at Bangalore in February-March, 1980.
- (4) Delivered a lecture on "Paediatric Emergencies" at Rajkot Organised by Rajkot branch of I. M. A.
- (5) Paper read at the I. A. P. Conference in Bangalore 'Biochemical parameters in Diagnosis of Intracranial Infections.'

Dr. M. K. Jain : Attended Conference of I.A.P.—March, 1980.

Dr. P. W. Kandoth and Dr. M. K. Joshi :

Papers read at Various Conferences : Unit I

- (1) Metabolic study of Juvenile Cataract Annual conference of Indian Academy of Paediatrics—Hyderabad.
- (2) Aetiological study of mental retardation, Read at—Annual Human Genetic Conference.
- (3) A study of Cell Mediated Immunity in Malnutrition. Annual Conference I. A. P. at Bangalore.

Department of Neurosurgery :**Attendance at Conferences, Visits to other Centres :**

- (1) Dr. Anil Desai, Dr. S. K. Pandya, Sister Naik, Dr. P. Pethe, and Dr. M. D. Mohire attended the Annual Conference of the Neurological Society of India in Calcutta between 17 and 21 December. Sister Naik attended the parallel conference of Neurosurgical nurses and participated in their discussions.

The following papers were presented :

- (i) S. K. Pandya : Complications from therapeutic cerebral embolisation.
 - (ii) S. K. Pandya, R. D. Nagpal : Some technical aids in neurosurgery. (featuring our metho for sterilising the microscope, the stands devised for the electric drill motors, pest-o-Flash and the formaline vapour steriliser).
- (2) Dr. A. P. Karapurkar was awarded a travel grant to visit three centres in France, Details of his visit will be included in our report for 1981.
 - (3) Dr. S. K. Pandya was invited by the Indian Medical Association Nagpur, to participate in their conference on the 2nd November. He presented the following papers :
 - (i) The surgical management of cerebro-vascular disease (in Symposium on Cerebrovascular Disease.)
 - (ii) Surgically treatable complications of tuberculosis of the nervous system.
 - (4) Dr. S. Goyal visited the Departments of Neurosurgery and Neuroradiology at the A. I. I. M. S., New Delhi and the Department of Neurosurgery at Chandigarh. He spent 3 weeks familiarising himself with the practices at these departments, The visit was possible thanks to the Travelling Fellowship awarded to him by the Neurological Society of India.

Awards, Fellowship :

- (1) Dr. Anil D. Desai was awarded Rs. 80,000/- by the J K. Medical and Scientific Research Society for his work on muscle diseases.
- (2) Dr. Anil D. Desai was awarded the Sir Shriram Oration for 1981 by the National Academy of Medical Sciences.
- (3) Dr. A. P. Karapurkar and S. Goyal were awarded travel grants as noted above.

Department of Renal Unit and Artificial Kidney Division :

The Staff members from the unit attended the annual meeting of the Indian Society of Nephrology and presented a number of papers.

- (1) Plasma Calcium, Phosphorus and Akaline Phosphatase levels in patients with chronic renal failure undergoing intermittent dialysis and transplantation.
- (2) Evaluation of Acid load Test for the diagnosis of renal tublar acidosis (type I) in presence of renal tubular dysfunction.
- (3) Use of simplified method for solated ultrafiltration to compare solated ultrafiltration with hemodialysis and to study the effects of predialytic ultrafiltration followed by hemodialysis.
- (4) Histopathological observations on patients of chronic renal failure undergoing dialysis.
- (5) Coagulation Studies in Uraemia.

A paper was also presented at the annual meeting of the Indian Society of Haematology and blood transfusion on "Profile of fibrinogen and fibrinolysis in patients of renal failure" Dr. V. N. Acharya—the Head of the Unit was awarded F. A. M. S., by the National Academy of Medical Science in recognition of her contribution to the field of Neuphrology.

Hematology Department :**Papers Read :**

At the Joint Annual Conference of the Indian Society of Hematology and Blood Transfusion and Bombay Hematology Group at Bombay.

- (1) Genotypic Analysis of Symptomatic Thalassemia Syndromes—A study of 292 Unrelated Cases from Bombay : M. B. Agarwal and B. C. Mehta.
- (2) Sickle-Syndromes : A study of 44 Cases from Bombay : M. B. Agarwal and B. C. Mehta.
- (3) Paroxysmal Nocturnal Haemoglobinuria : A Report of 20 Cases : M. B. Agarwal and B. C. Mehta.

(4) Von Willebrands Disease : A study of 26 Cases : B. C. Mehta M. B. Agarwal, P. C. Bhanotra and Suryaprabha M. Rao.

(5) Inherited Deficiency of Factor X (Stuart Prower Factor) : A Case report : Suryaprabha M. Rao, P. C. Bhanotra, M. B. Bahanotra. M. B. Agarwal and B. C. Mehta.

(6) Congenital Disorders of Fibrinogen (Fibrinogenemia, Hypofibrinogenemia and Dysfibrinogenemia) : A Report of 5 Cases : M. B. Agarwal, P. S. Sanzigiri, P. C. Bhanotra, Suryaprabha Rao and B. C. Mehta.

Department of Psychiatry :

Awards, Honours, Distinctions, Events :

(1) Dr. V. N. Bagadia was appointed Chairman for Task Force for Research in Biological Psychiatry, Indian Council of Medical Research in August 1980.

(2) Dr. V. N. Bagadia was appointed as Member, Advisory Group Mental Health, Indian Council of Medical Research.

(3) Dr. V. N. Bagadia attended as a delegate the W. H. O. International Symposium on 'Depression' held at Washington from 22nd to 24th October. He presented a paper entitled "ECT in Depression."

(4) Dr. V. N. Bagadia attended WHO Meeting of Chief Investigators of "Dose Effects of Psychotropic drugs in different Populations" at Ibadan, Nigeria from 19 to 21, November 1980.

(5) Dr. D. R. Doonagji was awarded the Fellowship of Academy of Medical Science (FAMS)

Papers Read :

Depression and its management presented by Dr. L. P. Shah, at Staff Research Society.

Papers read at XI Annual Conference of IPS-West Zone, Mahabaleshwar :

(1) A Clinical and Psychometric assessment of cognitive functions. Dr. L. P. Shah, Mrs. Hema Sangani, Miss Jyoti Doshi, Dr. B. R. Agarwal.

(2) Adaptation of Anxiety Questionnaire-Taylor's Manifest Anxiety Scale Mrs. Chandarana, Mrs. Ardhapurkar Mrs Hawaldar, Dr. L. P. Shah, V. N. Bagadia.

(3) Behaviour therapy of Male Sexual Dysfunction-A study of 26 patients, Dr. K. S. Ayyar, Dr. P. V. Pradhan, Dr. V. N. Bagadia.

(4) The Detection of Functional Patient in General Hospital by Questionnaire, Dr. P. V. Pradhan, Miss Ursula Susainathan, Dr. P. D. Lakadawala, Dr. V. K. Mundra, Dr. V. N. Bagadia.

Papers read at 33rd Annual Conference of I. P. S. Ahmedabad :

(1) Early Experiences of Lithium Clinic, Dr. P. D. Lakdawala, Dr. N. K. Desai, Dr. V. K. Mundra, Dr. P. V. Pradhan, Dr. L. P. Shah, Dr. V. N. Bagadia.

(2) Evaluation of Cognitive effects of ECT. Dr. R. R. Abhyankar, Miss Jyoti Doshi, P. V. Pradhan, Dr. L. P. Shah, Dr. V. N. Bagadia.

(3) A controlled psychiatric study of Neurodermatitis, Dr. K. S. Ayyar, Dr. V. N. Bagadia.

(4) Evaluation of Disulfiram in the treatment of Alcoholism, Dr. K. M. Dhawale, Dr. P. V. Pradhan, Dr. L. P. Shah, Dr. V. N. Bagadia.

(5) Drug Surveillance Programme in Psychiatry in India, Dr. K.S. Ayyar, Dr. B. R. Agarwal Dr. A. Singh, Dr. P. V. Pradhan, Dr. L. P. Shah, Dr. V. N. Bagadia, Dr. K. C. Gupta, Dr. (Mrs.), T. Paul, Dr. Santanam, Dr U. K. Sheth.

(6) Adoption of two questionnaire tests, of Measuring Neuroticism, Mrs. Chandarana Mrs. Ardhapurkar, Mrs. Hawaldar, Dr. L. P. Shah.

(7) 100 jokes-A psychiatric study, Dr. K. S. Ayyar.

Paper read at XI Annual Conference of IPS-West Zone, Mahabaleshwar.

The influence of planetary constellations on certain psychiatric and physical disorders.

APPENDIX IX

PROJECTS INVESTIGATIONS AND TESTS

Department of Obstetrics & Gynaecology :

Projects :

Rh Immunoglobulin Injection Trial in Rh Neg. Women.	..	..	815
A new Seriological Technique for early diagnosis of ABO in compatibility in new borns	..	..	95
Fetomaternal Hemorrhage Study	..	..	83
Reserve Albumin Binding capacity immunated in HABA	..	..	358

Amniotic fluid study for Fetal Maturity :—

(i) Nile Blue Test	63
(ii) Shake Test	63
(iii) Spectrophotometry	63
(iv) Creatinine	42
Spectrophotometric Analysis of L liquor Amni for Diagnosis of Fetal distress Apagar Score studies and follow-up Neonatiess	23
Study of Morning Sample Urinary Estrogen Creatinine Ratio in HRP	870
(1) Hormone Assays-Endocrine Cases Oestrogens.	53
(i) Various Gynaec Endocrine Cases Pregnandiol	10
(2) Oxytocinase (Placenta Enzyme Assay normal Pregnancy & H. R. P.)	80
Abortion Series	44
Tissue Culture Chromosome Culture and Karyotyping	8
Uric Acid	78

Molecular Biology Department :

The following projects were carried out in the Department :

- (1) Microbial transformation of antibiotics with special reference to aminoglycosides.
- (2) Studies on incidences of a typical mycobacteria in tuberculosis lymphadenopathy
- (3) Genetic studies in mycobacteria.
- (4) Effect of combination of drugs on resistant strains of *Pseudomonas aeruginosa*.
- (5) Genetic studies on *Ps. aeruginosa*.
- (6) Transcription study in salmonella.
- (7) Bacteriological investigations in Diabetic patients.
- (8) Effects of toxins on tissue culture.
- (9) Early Cervical Neoplasia-Cytological and Microbiological study with special reference to cytology.
- (10) Effect of antimicrobial agents on salmonella strains isolated from processed frozen frog legs.
- (11) Infection in general surgery.
- (12) Bacteriological Study of the umbilical stump & skin of new borns.
- (13) Study of Betadine & solvidine antibacterial activity.
- (14) Mutagenic effect of metranidazole on anaerobic bacteria.

APPENDIX X

List of Operations performed in the Cardio Vascular and Thoracic Operation Theatre :—

Mitral Valve Replacement & Open Mitral Surgery	120
2 Aortic Valve Replacement	75
3 Aortic and Mitral Valve Surgery	4
4 Closure of A. S. D.	102
5 Pericardiectomy	15
6 Closure of V. S. D.	28
7 Pulmonary Valvotomy	11
8 Intercostal drainage	26
9 Aortic & Mitral Tricuspid Valve Replacement	4
10 Total Correction of Tetralogy of Fallot	32
11 Pneumonectomy	20
12 Lobectomy	31
13 A. V. Shunt	15
14 Pacemaker	41

15	Excision Mediasternal Tumour	..	..	..	..	19
16	Lung Biopsy	..	..	..	..	10
17	B. T. Shunt	..	..	..	..	34
18	Bronchoscopy	..	..	..	..	13
19	Re-Exploration	..	..	..	..	41
20	Vascular Surgery	..	..	..	..	97
21	Secondary Suturing	..	..	..	..	45
22	Division of P. D. A.	..	..	..	..	60
23	T.-V. Mitral Valvotomy	....	..	..	..	228
24	Aneurysms (Done by Open heart)	..	..	..	..	5
Total						1074
Open heart Surgery						417

APPENDIX XI

Serial No.	Description of Activity	Unit of Measurement (Daily Average)		Actual	Budget	Revised	Budget
		O. P.	Indoor	1979-80 Patients	Estimate 1980-81 Patients	Estimate 1980-81 Patients	Estimate 1981-82 Patients
1	2	3	4	5	6	7	8
1	Medicine Deptt.	150	45	69,661	72,000	60,905	65,000
2	Surgery Deptt.	97	28	45,314	48,000	43,255	46,000
3	Obst. & Gynaec Deptt.	57	24	29,354	32,000	29,151	32,000
4	Paediatric Deptt.	44	19	23,072	26,000	20,385	24,000
5	Premature baby ward	..	2	393	500	500	500
6	Radiology Deptt. (X-Ray Taken)	340	..	1,24,202	3,00,000	3,00,000	3,00,000
7	Pathology & Bacteriology Deptt. (Investigations)	214	..	78,155	7,00,300	1,00,000	1,00,000
8	Casualty Deptt.	254	..	92,773	96,000	94,468	99,000
9	Orthopaedic Deptt.	98	13	40,315	41,000	30,981	35,000
10	Ear Nose Throat Deptt.	66	7	26,462	28,330	25,184	26,500
11	Ophthalmic Deptt.	65	5	25,691	27,000	24,561	26,500
12	Skin & Ven. Deptt.	96	2	35,607	38,000	33,129	36,000
13	Gastro Enterology	1	..	199	400	701	1,100
14	Blood Bank	35	..	12,579	9,310	10,830	14,000
15	Neurology Deptt.	5	2	2,195	2,400	1,936	2,300
16	Urology Deptt.	2	..	976	1,200	1,245	1,500
17	Speech Deptt.	..	Reflected in Ear, Nose Throat Deptt.	..	..	..	..
18	Psychology	21	3	8,832	9,200	9,105	9,400
19	Biochemistry Deptt.	222	..	81,094	2,60,000	90,000	90,000
20	Pharmacy Deptt.	950	..	2,87,935	30,324	23,520	30,000
	I. V. Bottles	..	..	..	..	70,807	80,000
	Sallnes Sets	200	..	67,389	..	17,560	19,000
	Bleeding Sets	60	..	17,220	..	..	..
21	Intensive Care Unit	11	3	5,177	6,055	6,055	6,055
22	Dental Clinic	42	..	15,333	16,000	15,031	1,600
23	Neuro-Surgery Deptt.	5	2	2,628	3,000	4,624	5,000
24	Plastic Surgery Deptt.	2	2	1,143	1,300	1,301	1,500
25	Thoracic Surgery Deptt.	..	Reflected in Vascular Clinic	..	..	..	..
26	Cardiology Deptt.	10	1	3,850	4,50	3,929	4,600
27	Asthma Clinic	6	2	2,839	3,00	2,592	2,800
28	Diabetic Clinic	7	1	2,790	3,000	1,831	2,200
29	Haematology Deptt.	1	1	295	35	581	800
30	Endocrinology Deptt.	2	1	650	700	520	700
31	Artificial Kidney Deptt.	..	..	320	200	400	425
32	Dispensary Service	6	..	2,080	1,700	887	1,500
33	Epilepsy Clinic	2	..	1,512	1,900	1,708	2,000
34	Chest Clinic	..	Reflected in Asthma Clinic.	..	..	..	..
35	Arthritis Clinic	1	..	895	1,000	393	600
36	Vascular Clinic	6	2	2,977	3,000	2,997	3,200
37	Immunization Centre	..	Reflected in Medicine Deptt.	..	..	..	..
38	Observation of T. B. Cases	..	Reflected in Medicine Deptt.	..	..	..	..
39	Audiology Deptt.	..	Reflected in Ear, Nose & Throat Deptt.	..	..	..	..
40	Mobile Health Unit	..	No such unit is existence in this Institution	..	..	..	..
41	Occupation Therapy	..	38	9,291	16,000	16,000	16,000
42	Physio Therapy	..	72	26,303	26,000	27,000	27,000
43	Sports Clinic	1	..	340	400	361	500
44	Evening Dispensary for Municipal Staff.	3	..	96	100	28	100

Bai Yamunabai L. Nair Charitable Hospital & Topiwala National Medical College

HIGH LIGHT :—**Hospital :—**

(1) Total expenditure including liabilities	...	...	Rs. 3,42,79,691.00
(2) Donations received	...	...	Rs. 11,826.00
(3) Amount collected from boxes	...	...	Rs. 24,263.20
(4) Amount spent from the fund for the poor patients	...	...	Rs. 5,70,616.16

Indoor Patients :—

Beds	... 830	In-patients	... 45,070	43,428
Daily average number of patients	...	...	...	1,042
Highest number of Inpatients on a single day	...	...	...	1,239
Highest number of Admission on a single day	...	...	...	179
Number of patients discharged during the year, including 454 brought from the previous year	...	...	...	41,511
Cured	...	...	...	16,656
Otherwise	...	...	...	24,855
Average stay of patient	...	...	...	9.5 days.
Average cost per in-patient	...	...	...	Rs. 60.13
Average cost per out-patient	...	...	...	Rs. 11.18

Deaths :—

Within 24 hours of admission	...	...	...	595
After 24 hours but within 72 hours of admission	293
Exceeding 3 days	1,071
			Total	1959

Operations :—

Indoor patients	16,251
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Autopsies :—

Post-mortem done	1,085
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Deliveries :—

(1) Confinements	3,031
(2) Deliveries	2,693
(3) Maternal deaths	7
(4) Medical termination of pregnancy	760
(5) Sterilization (Female)	...	...	...	470
(6) Sterilization (Male)	...	...	...	25
(7) Baby deaths	...	...	...	86
(8) Baby still-births	...	...	...	96

Out Patient Department :—

(1) O. P. D. attendance	...	...	...	10,22,050
(2) Daily average O. P. D. new attendance	...	...	...	869
(3) Casualty attendance	...	...	...	21,306
(4) Daily O. P. D. attendance (Old and New)	...	...	...	3,362
(5) Highest No. of attendance on a single day	...	...	...	3,877

Court Cases Attended by R. M. O.s :—

(1) Presidency Magistrate's Court	...	...	...	275
(2) Sessions Court	...	...	...	92
(3) Motor Accident Tribunal	...	...	...	55

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 289 patients had taken the advantage of the paying beds during the year 1980.

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 1980, 391 children were admitted in the unit.

MEDICAL ACUTE CARE UNIT :

The Department of Medicine established a separate Medical Acute Care Unit with 12 beds which started functioning from March 1978 onwards. These beds are housed in a single ward with pooled in equipment which includes Respirators, E. C.G. machine, X-Ray unit etc., All the critically sick patients are isolated in this section and observed under the supervision of trained staff. Medical and Nursing, Round the clock service is provided with post-graduate qualified doctors in attendance. 635 patients were treated in this section.

EXPANSION PROGRAMME :

A Multi-storeyed building under construction.

The building will accommodate the following Departments and wards.

- (1) Casualty with Emergency ward.
- (2) O. P. D. services.
- (3) Wards and specialised departments.
- (4) Medical and other stores.
- (5) Central Sterile Supply.
- (6) Seminar and lecture hall and dormitory type of accommodation for doctors and nurses.
- (7) Medical Record Section.
- (8) Blood Bank and other departments etc.
- (9) Nurses and R. M. O.'s Residential accommodation.

TRAINING CENTRE :

The hospital provides facilities to medical and dental students from the Topiwala Medical College and Nair Hospital Dental College. It also trains nurses both in General Nursing and in Midwifery. There is also a special Audiology Training School and Centre.

**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. J. V. Bhat M.B.B.S. M.D. held the post of Dean for the period from 1-4-80 to 31-12-80, and 1-1-81 to 31-3-81 respectively.

Dr. M. S. Kekre, M.B.B.S., M.Sc. (Med.) 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.) S. S. Sangamnerkar, M.B.,B.S. held the post of Sr. Asstt. Medical Officer.

Capt. S. R. Dange held the post of, Ward Officer.

The land adjoining Nair Hospital has been acquired by the Bombay Municipal Corporation and construction of Building to house the Nurses, Medical Staff, Nurses School and 300 bedded New Hospital Building, are in progress.

The Hospital runs the following departments:—

- | | |
|-----------------------------------|---------------------------------------|
| (1) Medical | (2) Surgical |
| (3) Ophthalmic. | (4) Gynaecology. |
| (5) Obstetric. | (6) Skin and V. D. |
| (7) Aural. | (8) Orthopedic. |
| (9) Paediatric. | (10) T. B. |
| (11) Cardiology. | (12) Cardiac-vascular Surgery. |
| (13) Gastro-enterology (Medical). | (14) Gastro-enterology (Surgical). |
| (15) Psychiatry. | (16) Preventive and Social Medicine. |
| (17) Rheumatic and Col. Diseases. | (18) Neurology. |
| (19) Neuro Surgery. | (20) Plastic Surgery. |
| (21) Renal Surgery. | (22) Genito-urinary Surgical Service. |
| (23) Thyroid Surgery. | (24) Anti Rabic. |
| (25) New Born. | (26) Diabetic. |
| (27) Paediatric Surgery. | (28) Haematology. |
| (29) Special Care. | (30) Thoracic. |
| (31) Hypertension Clinic. | (32) Asthma Clinic. |
| (33) Pain Clinic. | (34) Abortion Clinic. |
| (35) Glaucoma Squint Clinic. | (36) Endocrinology. |

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, Diabetes, Thyroid, Hypertension and Asthma.

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, Lecturerscope and Teaching accessories for endoscope are being ordered.

Meetings of the General Units were held quite frequently to discuss and solve the problems in a proper manner.

Under-graduate and post-graduate teaching programme as well as clinical meetings were conducted as per schedule.

Clinicals as well as lecture programmes of the dental students was also conducted properly.

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 Asst. Professor. Each units functions twice a week.

4. DEPARTMENT OF PAEDIATRICS :—

The Department of Paediatrics continued to work with one full-time unit and one part-time unit.

INDOOR SERVICES :—

Paediatric Ward : Bed strength	...	51
Total admission	...	4309
Total deaths	...	406

Intensive paediatric care unit : Bed strength (6 including 2 incubators).

Total admission	...	391
Total deaths	...	156

Neonatal Ward : Bed strength	...	55
Total deliveries	...	3035
Total Deaths	...	149

During the year 276 sick neonates were transferred from peripheral hospitals. Of these 61 neonates died.

Premature Nursery : Bed strength	...	6
Total admission	...	162
Total death	...	72

Recreation Therapy Centre : All the ambulatory patients from the paediatric Ward are sent to the Centre.

Total No. attended : 1853.

O. P. D. Services :—

The paediatric O. P. D.'s conducted on all working days of the week.

Total new cases ... 26201

Old cases ... 1,23,500 approx.

Special Care O. P. D. conducted thrice a week.

Total patients visits ... 247

Neonatal O. P. D. : Conducted twice a week. Total No. of Neonates followed 1311.

School Clinic : Works for 5 days in a week.

		New Cases	Old Cases	Total
Primary	...	1,641	16,340	17,981
Secondary	...	51	304	355

Peripheral Activities :—

Diagnostic Centre : Conducted twice a week in the afternoon at Soutter Street.

New Cases	...	126	Old Cases	...	314
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Child guidance clinic : Conducted on all week days at Soutter Street.			
New Cases	... 412	Old Cases	214
		Total	... 626
Child Welfare Centre : At Bellasis Road.			
(1) Clinic attendance		(2) Home visits	... 620
Infants	... 535	(3) No. of education classes	... 50
Toddler	... 672	(4) Nutrition classes	... 25
Other	... 518	(6) Immunisation : Triple	... 1564
(5) Milk distribution (Children daily)	... 45-50	Polio	... 1498
		D. T.	... 140

Victoria Paediatric Centre :—

Clinic attendance : Infants	... 143	Other visits	... 314
Toddlers	... 908		

Kamathipura Maternity Home. :
No. of patient attended 590

Immamwada Maternity Home :
No. of patients attended 2591

Mahim Maternity Home :
Clinic attendance 298

Immunisation (Triple & Polio)- 3017

Kasturba Hospital :—

Dr. (Mrs.) P. M. Pai, Professor and Head, of the Department of Paediatrics continued to visit Kasturba Hospital twice a week.

Teaching Activities :—

Undergraduate students : Lecture series and clinical terms.

Postgraduate students : Clinics, weekly death conf., monthly seminar, Intercollegiate meeting.

Nursing students : Series of 30 lectures twice a year.

B. Sc. (A.S.T.) : Lecture series.

5. ANAESTHESIOLOGY :—

The department is running the anaesthesia resuscitation and pain services at the B. Y. L. Nair Hospital, Nair Dental College, E. N. T. Hospital (Fort), Bhagwati Hospital (Borivli), Bhajekar Hospital, Bhabha Hospital (Kurla), Bhabha Hospital (Bandra), Santacruz General Hospital and Kasturba Hospital.

The number of Anaesthesia this year at the B. Y. L. Nair Hospital are as follows :

General Surgery	... 5516	Orthopaedic Surgery	... 2373
Cardiac Surgery	... 419	Ophthalmic Surgery	... 139
Obstetrics & Gynaec.	... 2572	E. N. T. Surgery	... 2256
Neurosurgery	... 328	Psychiatry (E. C. T.'s)	... 10618
Radiology	... 250	Ward Calls.	... 1104
Kasturba Hospital			Approx.
Peritoneoscopy (Stand by)†	730		

Total 26,305

6. DEPARTMENT OF NEUROLOGY :—

The O. P. D. functions twice a week on Tuesday & Thursday.

Referred Cases	... 327
Admissions	... 337
E. E. G.	... 264
Myelograms.	... 21
Carotid Angiograms	... 143
P. E. G.	... 18
Orbital Venograms	... 3
Tomograms	... 33
V. B. Angiograms & Arch Aortograms	... 18

7. DEPARTMENT OF NEUROSURGERY :

The O. P. D. functions twice a week Tuesday and Thursday.

O. P. D. attendance	..	..	..	..	1340
Indoor admissions	..	..	..	..	425
Neuroradiological Investigations :					
Carotid Angiogram	..	..	..	..	152
Ventriculograms & P. E. G. S.	..	..	..	..	33
Myelogram	..	..	..	..	59
Trigeminal Block	..	..	..	..	--
Operative work :					
(a) Craniotomy :	..	..	..	..	75
—Supra tentorial	..	..	..	64	
—Infra tentorial (Tumors)	..	..	..	11	
(b) Spine	..	..	..	..	79
—Craniovertebral anomalies	..	..	..	7	
—Cervical laminectomies	..	..	..	18	
—Dorsal laminectomies	..	..	..	13	
—Lumber laminectomies	..	..	..	33	
—Meningoceles	..	..	..	8	
(c) V. A. Shunts	..	..	..	..	68
(d) Trigeminal Rhizotomies	..	..	..	..	2
(e) Depressed fractures	..	..	..	..	13
(f) Cranioplasty	..	..	..	..	1
(g) Stereotoxic surgery	..	..	..	..	8
(h) Burrholes	..	..	..	..	66
(i) Others	..	..	..	..	40

8. GASTROENTEROLOGY DEPARTMENT (Medical):—

The O. P. D. functions twice a week. During the year 1213 out-patients and 751 Indoor patients have been attended. 3891 patients were asked to attend for regular follow up.

Routine Investigations :—					
C. B. C.	940	E. S. R.	..	..	869
Urine	..	Stool	..	..	1060
Biochemistry Investigations :					
Liver Function test	..	Serum Protein	..	..	123
Serum Electrolytes	164	Serum Bilirubin	..	..	27
B. S. P.	..	Serum Amylase + Ascitic fluid Amylase	..	..	64
P. T./P. I.	..	Blood Sugar	..	..	330
B. U. N.	..	G. T. C.	..	..	21
Serum Uric Acid	20	Serum Cholesterol	..	..	46
Serum Calcium	..	Serum Phosphorus	..	..	120
Serum Creatinine	90				
Special Investigations:					
Schilling Test	..	50	D-Xylose Absorption	..	42
Faecal Fat	..	46	DNA content of gastric aspirates	..	50
Intra-Gastric Titration	..	70	Calcium Infusion Test	..	4
Hepatitis B Antigen	..	62	Protein Electrophoresis	..	50
Augmented Histamine Test	..	128			
Endoscopies					
Sigmoidoscopy	..	380	Oesophago-Gastro-Duodenoscopy	..	257
Peritoneoscopy	..	168	E. R. C. P. (Attempted)	..	30
Colonoscopy	..	13			

Biopsies	13		
Oesophagus	9	Stomach	65
Duodenum	4	Jejunum	15
Colon & Rectum	55	Peritoneum	17
Liver	70		

9. THORACIC AND CARDIOVASCULAR SURGERY ;

The total number of patients attending O. P. D. have been 1319 during 1930. The total number of operative procedures carried out during the period were 458.

I. CARDIAC PROCEDURES :

1. Open Heart Operations :

	No.
(1) Mitral Valve Replacement	11
(2) Aortic Valve Replacement	8
(3) Aortic & Mitral Valve Replacement	6
(4) A. S. D.	9
(5) V. S. D.	2
(6) Fallot's Tetralogy.	2
(7) Sinus of Valsalva repair.	2
(8) A. S. D. with M. S.	1
(9) A. S. D. with repair of Cleft Mitral.	1
(10) Pulmonary Stenosis.	1
(11) Tricuspid Atresia.	1
(12) Mitral Commissurotomy.	1
(13) Re-exploration with removal of clots/Pannus.	6
Total	51

2. Closed Heart Operations :

(1) Mitral Commissurotomy	29
(2) P. D. A.	5
(3) Pericardiectomy.	9
(4) Coarctation of Aorta.	2
(5) Pacemaker Implantation.	2
Total	47

II.—THORACIC & VASCULAR PROCEDURES :

3. Thoracic Operations :

(1) Lobectomy.	7
(2) Pneumonectomy.	4
(3) Decortication.	4
(4) Exploratory Thoracotomy.	4
(5) Repair of Diaphragmatic Hernia.	1
(6) Ca Oesophagus.	1
Total	21

4. Vascular Procedures

(Including resection of aneurysms planned & leaking, endarterectomies, and replacements by grafts, etc.)

14

III.—OTHER PROCEDURES

(1) Embolectomies.	33
(2) Amputations.	13
(3) Bronchoscopies & Oesophagoscopies.	100
(4) Inter-costal drainage with or without pleural aspiration.	142
(5) Lymph-node Biopsies.	15
(6) Operations on clot wall.	23
Total	325

Grand Total 458

10. DEPARTMENT OF CARDIOLOGY :-

1. Electrocardiograms taken during the year 1980 according to disease wise.

Diseases	Total	Diseases	Total
Coronary Thrombosis	... 1329	Hypertension	... 1135
Mitral Diseases	... 557	Auricular Fibrillation	... 124
C. C. F.	... 146	Cor Pulmonale	... 290
Angina Pectoris	... 83	Aortic Stenosis	... 117
Rheumatic Disease	... 103	Anaemia	... 44
Myocarditis	... 34	Pericarditis	... 16
A. S. D.	... 97	V. S. D.	... 83
P. D. A.	... 12	Fallot's Tetralogy	... 12
Heart Block	... 316	Diabetes	... 298
Pulmonary Stenosis	... 39	I. H. D.	... 603
Normal	... 3657	Pain in chest	... 321
Miscellaneous	... 4256	Dextrocardia	... 13
		Total ..	13685

2. Other investigations done in year 1980.

Echocardiograms	... 1069	Cardiac Catheterisation	... 324
Treadmill Exercise test	... 77	Vector-cardiogram	94+94+94 E. C. G.
Master's test	... 10	Duplicate Vector E.C.G.	
Phono-cardiogram	... ..	Oximeter Blood Test	... 2158
Myocardial Infarction follow up patients	... 400	Follow up patients	... 3512

11. RENAL MEDICAL UNIT:

O. P. D.'s are conducted on Wednesdays and Saturdays.

12. HYPERTENSION CLINIC:

Hypertension clinic is run every Tuesday at 11-30 a. m.

13. ASTHMA AND OBSTRUCTIVE AIRWAY DISEASES CLINIC:

Asthma & Obstructive airway diseases clinic is conducted on every Tuesday.

14. PLASTIC SURGERY:

The O. P. D. was conducted every Wednesday and Friday and a total of 517 new cases were seen. In addition about 80 to 90 patients are seen every week for follow-up treatment. Full documentation and records were maintained in all cases.

During the year 500 cases were admitted for surgery and a total number of 654 operations were performed. 236 emergency Plastic Surgery operations were done during the year, particularly those of the face and hands.

Studies were carried out on "Management of Pan Facial Fractures" and on "Reconstruction of the Thumb".

15. HAEMATOLOGY DEPARTMENT

The O. P. D. was conducted on Monday and Friday from 11-30 a.m. onwards.

408 new cases have been seen in the Haematology Department. The old cases seen during the previous years who required follow-up and treatment have been attending regularly at per appointments. Average out-patient attendance was 20-25 by previous appointments. Average number of patients under treatment and observation in the hospital were about 25-30 daily throughout the year.

16. ENDOCRINOLOGY DEPARTMENT :

Monday and Friday afternoons 1-00 to 3-00 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 a. m. every day.

Total No. of patients seen ... 2702
New: 616 (Male—324 & Female—292). Old ... 2086

Total No. of patient's samples collected :—
Urine—669. Blood—1899. Semen ... 330

Total No. of Laboratory tests done during the year :—

1. Creatinine	... 595	2. Urinary Gonadotrophin	... 17
3. Urinary 17 Ketosteroids	... 111	4. Urinary 17 Ketogenicsteroids	... 115
5. Urinary Estrone	... 514	6. Urinary Pregnenediol	... 53
7. Urinary Pregnancy tests	... 55	8. Pregnanetriol	... 45

Blood :

1. Radioimmunoassay for F S H.	...	1660
2. Radioimmunoassay for L H	...	2011
3. Radioimmunoassay for Prolactin.	...	1567
4. Radioimmunoassay for testosterone	...	516
5. Radioimmunoassay for G H	...	416
6. Radioimmunoassay for T S H.	...	316
7. Radioimmunoassay for T3	.. ..	328
8. Radioimmunoassay for T4	.. ..	300
9. Radioimmunoassay for LHRH	.. ..	206
10. Blood-Lipids-Cholesterol	...	25
Triglycerides	...	25
Esterified fatty acids	...	25
Free fatty acids	...	25
Blood sugar	...	180
Blood urea	...	15
Haemagram	...	20
11. Blood: Liver function tests.	...	
S. G. O. T.	...	20
S. G. P. T.	...	20
Proteins	...	30
Alkaline Phosphatase	...	20
Albi Globulin	...	30
Bilirubin	...	15
12. Plasma Cortisol	...	273
13. Protein Bound Iodine in Blood	...	38
14. Serum Antibody Test	...	140
15. Routine urine	...	20
Urine sugar	...	169
16. Sex Chromatin	...	
Oral : 244		
Blood : 244		

17. FLUORESCENCE STAINING FOR V BODY :-

Semen	.. ..	2
Oral semen	.. ..	4

18. KARYOTYPE OF BLOOD

Semen Analysis	.. 330	Count and Motility	330
Supra Vital staining	.. 330	Glycero Phosphoryl Choline	47
Fructose	.. 20	Citric Acid	20

Histopathology :-

Endometrium and Ovaries	.. 31	Testis	.. 131
Epididymal Biopsies	.. 42	Vaginal smears	.. 94

Animal House performance ;—

1. Maintenance and Breeding of Rodent Colony.		
2. Use of rats and mice for Bioassays:		
	Rats	225
	Mice	120
3. Animals supplied to other departments :		
	Rats	80
	Mice	5

17. AUDIOLOGY AND SPEECH THERAPY SCHOOL :

(1) Academic :

10 students were admitted in F. Y. B. Sc. (Audiology & Speech Therapy) class. (Out of 11 students who had appeared for B. Sc. (AST) examination, 11 passed. Result was 100% Out of 9 students who had appeared for F. Y. B. Sc. (AST) examination 9 passed. Result was 100 per cent. Out of 15 students who had appeared for S. Y. B. Sc. (AST) Examination, 15 passed result being 100%.

Clinics :

3086 number of cases were seen as per statement attached.

During the year, 83 hearing aids were issued free of cost to needy patients under Indo-Danish Project.

The poor patients are also being supplied with cords and cells free of cost so that they can use the hearing aids to the maximum extent.

Report of classes of deaf children :—

The deaf children were taken on Educational tour to Vajreshwari on 9th January 1981.

The school celebrated its annual school week in the month of January. During this week Sports, Elocution and Drawing-handwriting competitions were held. Prizes distributed to the successful candidates.

Sports :

Age group—

- (1) Under 6 years.
- (2) 6 years to 9 years.
- (3) 9 years to 11 years.
- (4) 11 years to 13 years.
- (5) Above 13 years.

In each group there were sport items (1) Running (2) Balancing and (3) Skipping. Three prizes were given for each item.

Drawing competition :—

The various age groups viz.—

- (1) Under 6 years.
- (2) 6 years to 9 years.
- (3) 9 years to 11 years.
- (4) 11 years to 13 years.
- (5) 13 years and above.

In each group three prizes were given.

Elocution competition :—

The various age groups were as above but [different] prizes were given for Marathi and Hindi medium. Each group was given three prizes.

School programme was held on 28th February 1981. It was beneficial to build up confidence amongst deaf children and to improve their speech ability.

18. PREVENTIVE AND SOCIAL MEDICINES :—

Services :—

(a) 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 1980 to December 1980 was as follows :—

Community	No. of clinic Session held.	No. of first visit.	No. of revisits.	Total.
Arthur Road	51	162	987	1149

In addition to follow up care at the clinic a proportion of patients were referred to hospital outpatients departments for consultations and investigations.

(b) B. C. G. Vaccination :

B. C. G. Vaccination was carried out. 1357 neonates and 1184 paediatric patients including the school clinic patients were vaccinated.

Health Supervision of School Children :—

Medical inspection of School children belonging to Std. I to VII at Cheetah Camp school was continued and 1146 students of Tamil School, 276 students of Urdu school and, 317 students of Hindi School were examined in the year 1980. (Total: 1739 children were examined.)

Immunisation Centre :—

This Centre is run twice a day, in Morning and afternoon. From January 1980 to December 1980, 3381 children were vaccinated with Polio Vaccine. 3016 children given triple vaccine, 93 children were given D. T. vaccine, 48 children were given T. A. B. C. vaccine.

Social Services :**Community Visits :**

M.P. Mill Chawls	...	...	...	...	...	720
M.P. Mill Zopadpatti	...	...	...	...	...	482
Cheetah Camp	...	...	...	...	...	1650
Deonar	...	...	...	...	...	5047
Arthur Road	...	...	...	...	...	1112
Collatral contacts for						
Communities	...	...	...	...	...	340
Health talks	...	...	...	...	...	475

Apart from above routine visits and activities the following help was given to the patients and the above families from the community and special activities were arranged.

M.P. Mill Chawls :

(A) (i) Nutritional Aid to children	...	...	...	...	40
(ii) Nutritional Aid to Adults and their families	...	...	...	...	25
(iii) Appliances	...	...	...	...	5
(B) Economic aid in terms of cash, ration, etc.	...	...	...	...	31
(C) Clothes, School fees, Books, etc.	...	...	...	...	17
(D) Employment	...	...	...	...	8
(E) Ref. and follow-up in Hospital	...	...	...	...	61
(F) Family planning—Sterilization	...	...	...	...	3
M.T.P.	...	...	...	...	...
Pills, etc.	...	...	...	...	...
(G) Case-work	...	...	...	...	11

Bhauasaheb Hire High School :

Following help was given to students of Bhauasaheb Hire High School :—

Counselling	...	...	...	...	40
Note books and exercise books	...	...	...	...	146
Snacks arranged for NSS Students for parades twice a week	...	...	...	...	100
Financial assistance	...	...	...	...	20
High protein diet for T. B. Children	...	...	...	...	11
Material aid in term of cash, clothes, medicine ration etc.	...	...	...	...	193
Employment problem	...	...	...	...	5

Eye check up arranged :—

Vitamin A dose given to	...	...	...	...	65
Glasses supplied to	...	...	...	...	16

M.P. Mill Zopadpatty :

(A) (i) Nutritional Aid to Children	...	...	...	...	51
(ii) Nutritional Aid to adult patients and their families	...	...	...	...	2
(B) Economic aid in terms of cash, ration, etc.	...	...	...	...	3
(C) Clothes, School fees Books, etc.	...	...	...	...	7
(D) Employment	...	...	...	...	2

Cheetah Camp :

(A) (1) Nutritional aid to Adult and their families	...	...	...	...	...	2
(2) Calipus	...	...	...	...	...	15
(B) Economic aid in terms of cash, ration etc.	...	...	...	...	...	5
(C) Clothes School fees, Books, etc.	...	...	...	...	...	2
D) Family Planning—(i) Sterilization	...	...	...	...	...	30 women
(ii) Pills	...	...	...	...	...	..
(iii) Loops, etc.	...	...	...	...	...	..
(iv) M.T.P.	...	...	...	...	...	..
(F) Referrals and follow up in Hospital	...	..	...	...	...	50
(G) Case work	...	...	...	...	...	85

Deonar :

(A) Nutrition aid to children	...	...	...	...	...	25
(B) Economic aid in terms of cash, ration etc.	...	...	...	...	...	65
(C) Clothes	...	...	...	...	...	2
(D) Referral and follow up in hospitals	...	...	...	...	...	79
(E) Case work	...	...	...	...	...	37
(F) Group of women are being organised for group activities and health talks.						
(G) 3 Balwadies have been started by the community under our guidance	..					
(H) First Aid Classes are started for men and women.	..					
(I) Slide shows and sex education programmes have been organised for groups of old and women.						

Arthur Road Community :

(A) Nutritional aid to patients	..	..	..	..	..	98
(B) Case work	..	..	..	..	..	41
(C) School fees	..	..	..	..	..	4
(D) Health education meeting	..	..	..	..	..	25

Under Five Clinics :

Community	Groups	No. under observation	Total No. of visits	Average visit per infant or child
M.P. Mill Chawls	Infants	56	245	4.3
	Children	79	172	2.0
M.P. Mill Zopadapatti	Infants	36	152	4.5
	Children	33	86	2.6
Cheetah Camp	Infants	378	1064	2.9
	Children	403	545	1.0
Deonar	Infants	383	1257	3.2
	Children	115	214	1.8
Arthur Road	Infants	269	1983	7.3
	Children	101	428	4.2

Mobile Medical Relief to Slum Communities :

The medical relief is carried out with the help of the van donated by B. P. C. C. to this institution. Comprehensive health care services are being given to 4 communities. 60388 patients were treated during the year 1980.

3519 children were given Polio Vaccine, 2764 were given Triple Vaccine, 1726 were given Tetanus Toxoid, 170 were given D. T., 518 were given TABC, 381 were given BCG Vaccine and Small Pox was given to 301 children.

Bal Kalyan Kendra :

2489 patients were examined and treated in the year 1980. 176 children were given Oral Polio Vaccine, 122 were given Tetanus Toxoid, 130 children were given D. T. Vaccine, 518 were given TABC Vaccine.

Urban Public Health Internship Programme :

Comprehensive health care to urban slum communities is carried out under this programme.

Special Activities :

1. Slide shows and health education talks were given in the communities.
2. World Health Day Celebrations—organised a symposium on "Smoking and Health" in the college, auditorium. Health talks were organised in the community on effects of smoking on health.
3. Organised a seminar on sex education for B. A. Students.
4. Arranged a guest lecture by Dr. P. N. Neelam Assistant Director, Division of Epidemics, Central Leprosy Teaching and Research Institute Chingelput.
5. Organised a symposium on "Infective Hepatitis."

Academic Achievements :

1. Preparation of audiovisual filmstrips by Dr. Jha.

19. THYROID CLINIC :—

Thyroid Clinic is conducted on Monday and Follow-up on Thursday. The attendance in Thyroid Clinic is as under :—

No. of New patients attended :

Directly	115
Referred	250
No. of patients attended for evaluation	370
No. of patients attended for follow-up	620

20. SCHOOL CLINIC :—

The Clinic worked in three services viz. Medical, Ophthalmic and Aural from Monday to Friday. Attendance of school children was as follows :—

Services	Old	New	Total
Medical	15,699	1,572	17,271
Ophthalmic	3,339	164	3,503
Aural	3,725	122	3,847
Total	22,763	1,859	24,622

Services

Glasses given	57
Glasses prescribed	352
Operation	No.
Ref. to Phy. Therapy	2
Ref. to Spch. Therapy	5
Mastoid Operation	3
Accident Cases	7
Tonsils Operation	65
X-Ray taken	125
Other operations	No.
Hospital Admission	53
Audiogram	15
T. B. Cases	158

21. DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :—

21 Keratoplasty operations were performed during the year 1980.

	Total	Male	Female	M/Ch.	F/Ch.
New cases	22	10	5	4	3
Admissions	12	7	2	2	1
Operations	12	7	2	2	1

Special Clinics

(1) Squint Clinic ... Tuesday, 2.00 p.m. to 5.00 p.m.

(2) Glaucoma Clinic ... Thursday, 2.00 p.m. to 5.00 p.m.

Squint Clinic—

January 1980 to December 1980 :—

No. of cases registered :—

New	...	...	...	...	88
Follow-up	..	...	..	..	42

Age and Sex incidence—

Age	Sex	
0-10 years	Male	18
11-20 years	Female	30
21-30 years		28
31-40 years		6
41 and above		6

Mode of Presentation :—

(1) Deviation (obvious) alone	...	...	...	...	28
(2) Visual discomfort—					
(i) Near vision difficulty alone	...	...	...	...	10
(ii) Distant vision difficulty plus Deviation	...	...	...	...	10
(iii) Eye strain alone	...	...	...	..	25
(iv) Discomfort with previous spectacle correction	..	..	...	...	10
(v) Diplopia	..	...	..	..	5

Precipitating factors for deviation :—

(1) Fever (Typhoid, H/o. Small pox in childhood etc.)	...	...	...	...	7
(2) Ocular Injury with Corneal Opacity and complicated Cataract	...	...	...	...	2
(3) Head injury	...	...	...	...	3
(4) T. B.	...	...	...	...	2
(5) Organic lesion of posterior segment choroidities	...	...	...	...	2
(6) No obvious precipitating factor elicited	...	...	...	...	72

Types of Squint detected :—**I.—Heterophorias :—**

(1) Exophoria	...	...	...	...	8
(2) Exophoria	...	...	...	...	15
(3) Exophoria with convergence insufficiency	...	...	...	...	8
(4) Hyperphoria	..	..	...	...	3

II.—Heterotropias :—

(1) Convergent	...	...	...	...	16
(2) Divergent	...	...	...	...	32
(3) Hypertropia	..	..	...	..	2

Management—

(1) Spectacle correction	...	...	...	...	20
(2) Advised contact lenses	...	...	...	...	..
(3) Convergence exercises	...	...	...	...	29
(4) Surgical correction—					
Performed	...	...	...	...	11
Advised	...	...	...	...	10
(5) Intermittent phorias (about 5-7°) Vitamins and General Improvement of nutrition	...	...	...	...	30

Glaucoma Clinic :

Analysis of the datas of glaucoma clinic of department of Ophthalmology, in the year 1980.

Total number of cases registered from January 1980 to December 1980—47

Old Cases for follow up: 35.

Sex :—

No. of male patients	...	...	...	...	33
No. of female patients	...	...	...	...	14
				Total	47

Age groups :—

					Male	Female
Less than 30 years	...	...	...	...	3	1
31—40 years	...	...	...	...	4	5
41—50 years	...	...	...	...	9	2
51—60 years	...	...	...	...	11	4
61—70 years	...	...	...	...	3	2
More than 70	...	...	...	...	3	..
				Total	33	14

No. of diabetic patients screened for evidence of glaucoma from January 1980 to December 1980—12.

Out of these, nobody has juvenile diabetics and none of them had any evidence of glaucoma.

Criteria adopted for screening and diagnosing glaucoma along with clinical typing—

I. Intra ocular pressure variations—

- (1) Diurnal variation.
- (2) Water drinking test (Provocative).
- (3) Tonography (Schiot's method).

II.—Visual and field defects.

III. Fundus examination with special preference to cup-disc ratio, nasal shift of blood vessels and pallor of disc.

III. Gonioscopic study of the angle of the anterior chamber.**I. Primary open angle glaucoma or chronic simple glaucoma.**

(a) Open angle, C/D ratio above 0.5 field defects, low facility ('C' value less than 0.12) and positive WDT—	...	...	...	...	19
C D	0.5	...	...	...	26
'C'	0.12	...	...	...	33

II. Narrow angle glaucoma with acute attack

III. Congenital glaucoma—Juvenile

IV.—Secondary glaucoma:

(a) Lens induced	...	...	...	...	1
(b) Aphakic glaucoma	...	...	...	...	5
(c) Absolute glaucoma	...	...	...	...	8
(d) Following iridocyclitis	...	...	...	...	1

V.—Unioocular glaucoma	...	...	...	...	...	Nil.
VI. Glaucoma diagnosed in past and operated in past for the same Attending clinic for follow up—						
(a) Iridencleisis	...	...	...	...	...	None.
(b) Scheie's	...	...	...	...	...	2

Line of management carried out:—

I. Primary glaucomas—

A—Primary open angle glaucoma—

(a) Medical line of therapy pilocarpine 1%, 2% & 4% with or with DIAMOX ... 17

(b) Operated (Antiglaucoma surgery) I.O. Tension not controlled with miotics. 25

B—Narrow angle operated ...

Initially medical line of therapy carried out and surgery advised .

II. In secondary glaucomas IOT was controlled with cyclodithermly or cycloanimsation of cyclocropexy and *iridencleisis*.— 5

22. GENITO URINARY SURGICAL SERVICE :—

The following operations were performed in the department of Genito Urinary Surgery. during the year 1980 :—

(1) Cystoscopy	..	..	..	..	..	175
(2) Cystoscopy with TUR for prostate enlargement	..	..	..	..	..	45
(3) Nephrolithotomy	..	..	..	..	..	2
Phyelolithotomy	..	..	..	..	..	12
Ureterolithotomy	..	..	..	..	..	7
(4) Nephrectomy	..	..	..	..	..	5
(5) V. V. A.	..	..	..	..	..	3
(6) High ligation of Varicocele	..	..	..	..	..	10
(7) Orchidectomy	..	..	..	..	..	4
(8) Frayer's Prostatectomy	..	..	..	..	..	1
(9) Millin's Prostatectomy	..	..	..	..	..	8
(10) Urethroplasty	..	..	..	..	..	7
(11) Urethroplasty with skin grafting	..	..	..	..	..	3
(12) Cystoscopy with Internal Urethrotomy..	..	..	..	..	..	26
(13) Cystoscopy with ascending pyelography	..	..	..	..	..	31
(14) Circumcision	..	..	..	..	..	45
(15) Meatoplasty	..	..	..	..	..	5
(16) Slitting of urethra for priapism	..	..	..	..	..	1
(17) Cystoscopy with fulguration of papilloma	..	..	..	..	..	6
(18) Cystoscopy with fulguration of urethral polyp	..	..	..	..	..	1
(19) Vasectomy	..	..	..	..	..	1
(20) Testicular biopsy	..	..	..	..	..	10
(21) Cystoscopy with Cystoscopic lithotripsy	..	..	..	..	..	7
(22) Urethral dilatation	..	..	..	..	..	15
(23) Suprapubic Cystolithotomy..	..	..	..	..	..	9
(24) Suprapubic Cystotomy	..	..	..	..	..	6
(25) Transpubic Repair of Stricture urethra	..	..	..	..	..	1
(26) Cystoscopy with stripping of perirenal lymphatics	..	..	..	..	..	1
(27) Cystoscopy with evacuation of clot from bladder	..	..	..	..	..	1
(28) Ureteric implantation into sigmoid colon	..	..	..	..	..	1
(29) Anderson Hymes pyeloplasty	..	..	..	..	..	1
(30) Exploration of perinephric abscess	..	..	..	..	..	1
(31) Exploration of pyenephrosis	..	..	..	..	..	1

23. DERMATOLOGY AND VENERELOGY :—

The department functions all the days except Sundays from 8.00 a. m. on wards.

O. P. D. Attendance —

A.—Infection—

(a) Skin infections	...	...	...	...	New 33,851	Old 25,764
(b) V. D. Cases	...	...	...	...	10,051	8,124

(c) Total Infections	...	...	...	...	43,902	33,888
(d) Non-Infections	...	...	...	...	16,543	11,809
(e) Ratio of Infection—Non Infection	...	...	...	...	3 . 7 : 1	
(f) Maximum Attendance of one day	...	...	...	...		732
(g) Total Attendance	...	...	...	...	60,445	45,697
(h) Grand total of the year 1980	...	...	...	...	1,06,142	
B.—Investigations—						
					Total	Abnormal
(a) Biopsies	...	...	...	...	469	All
(b) V. D. R. L.	...	...	...	...	5,382	2,680
(c) Dark ground Illumination	...	...	...	...	2,056	1,021
(d) Smear for Gonococci	...	...	...	...	2,765	2,581
(e) Smear for Donovanosis	...	...	...	...	165	127
(f) Smear for Chancroid	...	...	...	...	91	Nil.
(g) Smear for Leprosy	...	...	...	...	321	286
(h) Scales for Fungus	...	...	...	...	5,221	4,976
(i) Urine	...	...	...	...	986	764
(j) Stool	...	...	...	...	236	108
(k) Blood Count	...	...	...	...	786	537
(l) E. S. R.	...	...	...	...	483	303
C.—Photographs—						
					2,542	
D.—Therapy—						
(a) Superficial—X-Ray	...	...	...	...	29	
(b) Electro Dessication	...	...	...	...	785	
(c) Chemical Cautery	...	...	...	...	974	
(d) Phodopylline	...	...	...	...	749	
(e) Intralesional Steroid...	...	...	...	...	683	
E.—Medical Education					Lectures and Clinics.	

24. PSYCHIATRY DEPARTMENT :—

The department consist of one part-time unit headed by Dr. S. M. Lulla and one full-time unit headed by Dr. A. P. Patkar.

Indoor Services :—

Total admissions	..	..	..	..	..	1237
Daily average admission	..	..	..	..	..	6
Total bed strength	..	..	..	..	..	46
Daily average ward strength	..	..	..	..	..	56
Total deaths	..	..	..	..	..	1

O. P. D. Services :—

The Psychiatry O. P. D. is conducted on all working days of the week.

Total new cases	..	..	..	..	..	4620
Daily average new cases	..	..	..	..	..	17
Referred cases	..	..	..	..	..	572

Therapies :—

Insulin therapy	..	..	..	..	..	756
Total No. of E. C. T.s	..	..	..	..	..	10618
Daily average C. E. T.s	..	..	..	..	..	37
Psychotherapy	..	..	..	..	..	72000
Daily average psychotherapy	..	..	..	..	..	200

Peripheral activities :—

(A) The regular clinical meeting organised by the Bombay Psychiatric Society are held as per scheduled by both the units of the department in our hospital. Here interesting and problematic cases are presented and discussed.

(B) A Psychiatrist from our department attends the Child Guidance Clinic at Souter Street daily for two hours. This clinic is attached to the Paediatric Department. The report is attached with the paediatric department.

(C) Psychiatrists from our department participate in the lectures held for General Practitioners by the I. M. A. and Bombay Psychiatric Society.

Teaching activities :—

(A) Under-graduate students :—

(i) Twelve lectures in psychiatry including neurosis, psychosis, treatment methods etc., are taken for the III M.B.,B.S. I term students.

(ii) Clinical terms of 15 days duration are arranged for II M.B.,B.S. II term students including case presentations, discussions and treatment method demonstration at the end of which a ward exam. is held. The marks obtained by the students are included for the over all internal assessment in medicine.

From the above it is regrettable that lectures in Psychology for I M.B.B.S. students have been disallowed and the clinical terms have been reduced to 15 days which results in an improper and inadequate teaching of Psychiatry.

(iii) A visit to the Thana Mental Hospital is arranged for one full day where the clinical term students are shown the functioning of a psychiatric institution by psychiatrists from the department. Here a few cases, medico-legal problems, methods of hospitalisation are demonstrated.

(B) Post-graduate students :—

We have at present 15 post-graduate students attached to our department. The post-graduate teachers of the department guide and prepare the post-graduate students in their thesis work for the M. D. Exams. in Psychiatry of Bombay University. Regular clinics with case discussions are held and some selected topics are discussed, where Honorary, Full-time psychiatrists and post-graduate students participate. Regular lectures of the University and the College of Physicians and Surgeons of Bombay are held as per schedule by the teaching staff.

C.—Nursing Students :—

Twenty lectures are held in Psychology and twelve lectures in Psychiatry for the nursing students with the help of slides and case demonstrations.

A separate trip was arranged for the nurses this year to the Thana Mental Hospital, where the management of Psychiatric patients in an institution was shown.

D.—Speech Therapy Students :—

Fifteen lectures each in psychiatry and speech pathology (Psychological aspects) are held for the B. Sc. (Speech Therapy) students of our college with the help of slides and case demonstrations.

E. Psychiatric Social Worker Students :—

Post-graduate students are regularly deputed from the Tata Institute of Social Sciences once a week. Case demonstrations with discussions are held in the O. P. D.

Projects of the department :—

I.—Continuation of the project :—

- (i) School project.
- (ii) Asthma clinic.
- (iii) Sex-group therapy

II.—New Projects in the department :—

- (i) Alcoholic group therapy.
- (ii) Play therapy for children.
- (iii) Study on Female alcoholics.
- (iv) Neurodermatitis.
- (v) Cardiology.
- (vi) Sterility.
- (vii) Psoriasis.

III.—Projects under consideration :—

- (i) Lithium Estimation.
 - (a) Effects of Lithium on spermatogenesis.
 - (b) Effects of Lithium on Blood count.
- (ii) Alcoholic unit in collaboration with Medicine department.
- (iii) Staff welfare centre in collaboration with Medicine and Preventive Social Department.

Rehabilitation :—

- (i) Every discharged patient gets written instruction on discharge and explanation by our social worker.
- (ii) Rehabilitation of Psychiatric patients with the help of leading industrialists.

Miscellaneous : —

(i) Two get together were arranged for the patients of the Psychiatric Ward. There were games, solo-items and snacks and all participated.

(ii) A farewell was also given for Asstt. Hon. Psychiatrist, Dr. V. K. Mundra.

(iii) A departmental farewell held for the Dean, Dr. M. S. Kekre, on 19th December 1980 and a memento was presented to him.

(iv) Seven departmental meetings were held in the year, where problems of the department were discussed. At times interesting and problem cases were discussed. The reports of the meetings were send regularly to the Dean.

The reports of para-psychiatric services in our department are as follows :—

I. Report of Clinical Psychologists :—

Total number of cases evaluated 1130.

The different modes of psychological testing administered the above number of cases are a follows :—

- (1) Rorschach testing on 465 cases.
- (2) Bhatia performance test on 515 cases.
- (3) Binet Kamath on 230 cases.
- (4) Seguin form board on 85 cases.
- (5) Bender Gestalt test on 210 cases.
- (6) C. A. T. on 15 cases.
- (7) Thematic Apparception test on 7 cases.
- (8) Sentence completion test on 5 cases.
- (9) Controlled projection test on 2 cases.
- (10) Benton visual rention test on 5 cases.
- (11) Cyclasyn Cipla-Assessment of mental function in the elderly on 15 cases.
- (12) Wechsler memory scale on 8 cases.
- (13) Draw a person on 2 cases.
- (14) Multiphasic questionnaire on 3 cases.
- (15) E. P. I. on cases.
- (16) Progressive matrices on 8 cases.
- (17) Collins Drever performance on 3 cases.

II.—Report of Social Workers (Full time & Part time).

1	No. of new cases referred	--	--	--	--	572
2	Counselling sessions with patients Relatives	--	--	--	--	1,163
3	Old follow up cases	--	--	--	--	1,275
4	Patient's relatives interviewed for instructions on discharge	--	--	--	--	286
5	Visits to donors, institutions	--	--	--	--	149
6	Referred to special schools	--	--	--	--	70
7	Referred for jobs	--	--	--	--	14
8	Sent patients to alcoholic annoyous	--	--	--	--	32
9	Medicines.	--	--	--	--	21
10	Money collected for Psychiatry	--	--	--	--	400
11	Money collected for surgical	--	--	--	--	1,000
12	Railway pass	--	--	--	--	4
13	Supplementary diet	--	--	--	--	7
14	Letters posted	--	--	--	--	385
15	Material Aid	--	--	--	--	30

Other work done :—Started play therapy, giving instructions to relatives of discharged patients, supervising students of social work and holding get together for patients.

III.—Report of Occupational Therapy in Psychiatry Unit :—

Serial No.	Unit	Total No. of patients.	Total visits Indoor	Total visits in O. P. D.
1	Dr. S. M. Lulla's unit Indoor.	568	6,933	4,193
2	Dr. A. P. Patkar's unit Indoor.	628	7,426	3,478
3	Day Care Unit (Dr. A. P. Patkar and Dr. S. M. Lulla's Q.P. D. patients.).	88		1,372
Grand Total		1,284	14,359	9,243

The following are the activities of the Occupational therapist :—

- (i) Regular evaluation.
- (ii) Indoor and outdoor games.
- (iii) Simple activities like cutting candle works, stamping etc.
- (iv) Physical exercise and group activities :—

The day care unit is an essential part in the rehabilitation of a treated schizophrenic, where the patients is under care for the whole day. Here activities, avocations, prevocational deletion, recreation and group activities are done.

IV.—School Project Report :—

A school project in Preventive Psychiatry which was started by B. Y. L. Nair Ch. Hospital in the month of July 1979 in the Gilder Path Municipal School, got an extension from the Municipal Corporation.

Agripada Municipal Primary School was chosen from the three schools suggested by the Educational Department of the Municipal Corporation.

The actual work was started in the first week of August 1980. From the period August 79 to January 80, the total No. of cases seen were 230. The children were referred for various problems as per our proforma.

Monthly reports were submitted regularly. The data is under analysis at present and conclusion, inferences will be drawn from it.

Therapy, including drugs, was given to some children for various psychological problems and when required, they were referred to Nair Hospital for investigations and further management. (e.g. AST for Speech disorders) etc. The cases are being regularly followed up in the school every Saturday.

In the middle of January 81, the project was started at the Clerk Road Municipal School after holding a meeting of parents and teachers and completing the other pre-requisites. More than 60 cases have been examined and the work is in progress at the moment.

The final report of the pilot project of the Gilder lane Municipal School was printed in January, 1981. 225 copies were distributed to the various authorities of the Municipal Corporation, Municipal Schools of D and E Wards, various Social organisations, children homes and psychiatry departments of various hospitals of Greater Bombay. Comments and suggestions are being eagerly awaited.

The Education Department of the Municipal Corporation promptly responded to one of the recommendations made in the final report of the project and a special class for "Mentally Retarded Children" was started at the Gilder Path Municipal School in the last week of January 1981. It was inaugurated by Mrs. Kusum Kamat, (Education Officer-Municipal Corporation). Dr. A. P. Patkar presided over the function which was largely attended by parents as well as principals and teachers of the municipal schools of D-ward. This class will serve the needs of the surrounding municipal schools.

25. MEDICAL SOCIAL WORKER :

Old cases carried over from 1979	--	--	--	..	1,424
New cases referred in 1980	--	--	--	..	2,375
Referrals from other institutions donors and welfare organisations.	--	--	--	..	475
Total No. of cases handled in 1980	--	--	--	..	4,274
(1) No. of Home visits, Institutional visits and colateral contacts made	--	--	--	..	1,010
(2) No. of follow up letter and letters sent to donors, charities & welfare organisations.	..	..	..	..	980
(3) No. of patients for social case work	--	--	--	--	1,020
(4) No. of patients who received material aid	--	--	--	--	671
(a) Appliances, belts, calipers etc.	--	--	--	--	569
Wheel chair	..	..	..	..	3
Triwheeler	..	..	..	..	2
Spectacles	..	..	..	..	115
(b) Costly and unscheduled drugs	--	--	--	--	612
(c) Food (i) Ration	--	--	--	--	102
(ii) Supplementary nutritional aid	--	--	--	--	72
(d) Clothes	--	--	--	--	112

(e) Schools fees, uniforms, textbooks for patients children and young patients	78
(f) Travelling expenses	65
(g) Employment for (i) patients	41
(ii) patients family members	28
(h) Accomodation	22
(i) Institutionalisation	68

During this year donations in the form of medicine worth Rs. 84,306 cash, for appliances worth Rs. 45,622 and help for C. V. T. C. patients to the extent of Rs. 25,500 was collected. Rs. 75,000 worth anti cancer drugs arranged from donations.

All these work is looked after by four full time and one part time M. S. Ws.

26. OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1980 of workload and the work analysis:—

Total No. of patients for 1980	7,532
Total No. of patients attendance	75,217
New patients (O. P. D.)	1,167
New patients (Indoor)	2,572
Total No. of patients (O. P. D. U Indoor)	7,532

Equipments :

The following equipments are purchased during the year 1980 :—

- (1) Leather Sewing Machine.
- (2) Printing Machine.

P. V. C. & D. C. U. :

These sections are working as usual.

Sports :

Our patients have taken part in the sports arranged by Paraplegic Foundation and NASEOH. We are glad to inform that, some of the patients have won the prizes also.

Miscellaneous :

NASEOH sports meeting for C. P. patients at C. O. H. attended by Miss Gomes, Jr. O. T.

S. Y. B. Sc. (O. T.) paracticals Therapeutics II examination at O. T. School attended by Head of O. T. Department.

Lecturers for medical and speech therapy students as well as post-graduate students of Occupational Therapy students, were given as a routine by Shri A. S. Khullodkar, Head of O. T. Department.

The work load in this department is considerably increased in the year, 1980.

27 PHYSIO THERAPY DEPARTMENT :

The following are the figures for the year 1980 of workload and workanalysis :—

Total No. of patients for 1980 attendance	135289
Total No. of patients (O. P. D.)	2557
Total No. of patients (Indoor)	2739
Total No. of patients (New)	5296

As the work-load is increasing day by day. The practice of sending a therapist to Dr. Bhajekar Hospital has been discontinued.

Equipment :

We have installed Nemotrody-8 this year.

Activities :

The paraplegic patients of Nair Hospital were taken for sports, arranged by Paraplegic Foundation.

The disabled and handicapped patients and paraplegic patients, were taken for games arranged by NASEOH.

We are glad to inform that some of the patients have won prizes.

28 PHARMACY DEPARTMENT :

(1) Dispensary :

This year dispensary has dispensed 5,60,005 case papers at out door and 441 case papers at indoor.

No. of stock items supplied to O. P. D. Wards and theatres is 21690.

Total quantity of stock prepared for indoor and out door patients are given below :—

(a) Quantity of stock solution prepared.	..	..	19745.27	lit.
(b) No. of prepacks made	..	..	208009	packs.
(c) No. of powder packs wrapped	..	..		61448
(d) No. of OPD prescriptions dispensed where account is kept.	..		6548	
(e) Prescriptions where special drug is issued and account is kept.			143953	
(f) Simple syrup:	..	..	688.75	lits.
(g) Quantity of stock mixture prepared.	..	..	13974.80	lit.

2. Central Sterile Supply Service :

11 types of Sets and 38 types of trays are cleared, assembled and sterilized for the Hospital use.

Total No. of sets and trays prepared during the year are 47053 and 21775 respectively.

Total No. of drums and dressings sterilized during the year are 34300 Nos.

3. Manufacturing of Pharmaceuticals

(a) Total market cost of the preparations.	..	..	Rs.	9,03,614.10
(b) Preparation cost	..	..	Rs.	4,74,956.11

(This includes the cost of chemicals, breage, consumable articles, machine repairs, & Depreciation, gas & electric consumption, cleaning fluids, general articles, Analytical Testing and average staff salary and supervision and over head charges etc.).

(c) Savings.	Rs.	4,28,658.00
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D. New preparation prepared in this year are as under :—

Oral Rehydration mixture.	..765 pkts.	Water for Inj.	50 ml.	..180
Powder for external use only.	90 ml.	1% Acetyl choline chloride.		..2 lit.
Lotion.	..2 lit.	5% Dithamol ointments.		1 kg.
Inj. Histamin acid phosphate	10cc 8	20% Sulphacetamide eye drops	50 ml.	1
Inj. Adrenaline 50 ml.	.. 20	Conray 2 cc amp.		20
Special carbolic acid solution.	10	Cardioplegia 500 cc.		.. 20

4. Quality Control :

During the year January 1980 to December 1980 a total No. of 28 different types of products splitted up in 1456 batches, manufactured by Pharmacy Department were tested during preparation and as final products. A Total No. of 10511 tests were performed on the same. Four batches were reprocessed.

A total No. of 627 different kinds of products splitted up in 2543. Number of batches purchased from outside were tested and a total No. of 22,991 tests were performed on the same. 106 batches were rejected.

All the sterilizers of Bhajekar Hospital and Nair hospital were tested for their effective working, every fortnightly throughout the year.

98 items were tested urgently and the results given within one hour in order to meet the urgent requirements of the stores for immediate supply to the patients.

All the above work if got done from Haffkine Institute would have costed Rs. 3,56,661.00.

(5) Glass Blowing Section :

Services of the glass blowers are given to hospital as well as college side departments, besides, the pharmacy required articles which includes different type of connections to the Central Sterile Supply Service and manufacturing sections.

(6) Maintenance Section :

This section looks after the maintenance and repair work of all machineries of pharmacy and the minor repairs of sterilizers of Wards and Theatres and Dr. Bhajekar Hospital.

The major repairs done is numbering to 878 during this year which includes the replacement of heaters and other spare parts, removal of leakage and other minor repair works.

(7) Education :

Following students from different colleges undergone the practical training of 750 hours in this department in 1980.

3 students from S N D T College Women University, Bombay, and 1 student from Government Poly college of Pharmacy, Aurangabad.

29. TOPIWALA NATIONAL MEDICAL COLLEGE :—

The College has been permanently affiliated to the University of Bombay for teaching the courses of studies 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.

797 undergraduate students (267 ladies) and 244 post-graduate students (63 ladies) were on the roll at the close of the year. :—

Students on roll as on 1-8-1980.

Class	Male	Female	Total
III M.B.B.S. III term	92	44	136
III M.B.B.S. II term	10	...	10
III M.B.B.S. I term	65	43	108
III M.B.B.S. Casual	44	4	48
II M.B.B.S. III term	41	15	56
II M.B.B.S. II term	68	51	119
II M.B.B.S. I term	23	7	30
II M.B.B.S. III term	86	54	140
I M.B.B.S. II term	..	..	..
I M.B.B.S. I term	62	38	100
I M.B.B.S. Casual	17	2	19
Total	508	258	766

Post Graduate :

Class	Male	Female	Total
M.D. (All branches)	86	40	126
M.S. (All branches)	68	4	72
University diploma D.A., D.V.D. etc.	37	7	44
M.Sc. by papers	10	14	24
M.Sc. by research	2	4	6
D.M.L.T.	2	10	12
M.Sc. (Occupational Therapy)	1	5	6
Ph.D.	1	2	3
Total	207	86	293

30. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :

The total No. of books added to the library during the year was 1149 as against 1325 books during the previous year. Out of these 153 books were donated to the Library by Lange Government and other publications, 375 were purchased for 37 different Libraries, as against 224 books during the last year.

The Library subscribed 271 periodicals as against 268 during the last year. 74 periodicals were received gratis from the publishers, Hon. staff of the Nair Hospital and others. The Library therefore, has 345 periodicals as against 332 during last year.

The No. of books and periodicals issued on the premises to the under-graduates, postgraduates, the teaching staff of the college, professors, Honoraries, teachers and research workers from other institutions was 79,491 as against 77,975 during the last year.

3,295 books including reference books and 1367 periodicals were issued out for home reading to the teaching and residential staff of the B. Y. L. Nair Hospital and T. N. M. College as against 2816 books and 905 periodicals issued during the last year. 24 Books and Bound Volumes of periodicals were borrowed from other Libraries on Inter-Library Loan scheme and 69 were loaned out to them.

383 thesis were issued for reading on premises as against 400 during the last year. 103 new thesis on different subjects were entered, as against 141 during last year. 50 library has 1,168 thesis at present.

161 books were written off during the year. 330 guest members used the Library at the end of the year. had 26,340 books and 11,986 bound volumes.

31. NURSING :

The total No. of students admitted for General Nursing and Midwifery in the year 1980 are 80 + 4 and 59. The number of students discontinued from training are 22. The number of students left the institution are 7.

The No. of students appeared for Midwifery examination are 52, and all have passed.

The No. of students appeared for General Nursing Part II Examination are 74, 62 passed and 12 failed.

Mayor's award was awarded to Staff Nurse Cicely Sebastian and student Nurse Maya Parsekar.

Dr. Vengsarkar's award was awarded to Student Nurse Smt. Lovely George for surgery.

In the month of February sports were arranged for trained Staff and student Nurse on Haji Ali ground.

A film show was arranged for Nursing Staff in the month of May.

Variety Entertainment Programme and Prize Distribution was arranged in the month of December. In the same month farewell party was arranged for Dean Dr. M. S. Kere and Asstt. Matron Smt. M. Mhatre.

32. 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-door treatment as required.

This is a minor surgical hospital for the male 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 1979-80 and 1980-81 the patients attended at Dr. Bhajekar Hospital are mentioned below :

	1979-80	1980-81
O. P. D. patients	21724	14974
Indoor patients.	1161	1326

The cost per patient per day works out as below :—

Year.	Drugs and Appliances	Diet	Stores	Fire, Gas, Telephone electricity	Estt.	Total
Indoor patients :						
1979-80	3.34	5.89	3.70	15.97	18.79	47.69
1980-81	4.05	6.02	4.25	17.00	19.85	50.97
Out-door patients :						
1979-80	1.61	...	0.64	0.71	4.01	6.97
1980-81	1.92	...	0.82	0.85	4.83	8.42

Dr. J. V. BHATT,

Dean,

B. Y. L. Nair Hospital.

T. N. Medical College, Bombay-8.]

APPENDIX I.
HOSPITAL STAFFS.

Hospital.	No. of staff.
Administration Staff :	
Dean.	1
Assistant Dean.	1
Sr. Assistant Medical Officers.	3
Jr. Assistant Medical Officers.	13
College (Teaching Staff) :	
Professors.	30
Head of the departments.	16
Associate professors.	25
Assistant professors.	67
Lecturers—Full Time	39
Part-Time.	41
Tutors.	2
Jr. Lecturers.	35
Demonstrators, Scientific Officers.	60
Part Time Demonstrators.	14
Hospital (Teaching Staff) :	
Honorary.	26 (3 vacant)
Assistant Honoraries.	35 (39 vacant)
Registrars.	71
House-men.	105
Nursing Staff :	
Matrons.	1
Assistant Matrons.	3
Sister Tutors.	9
Ward Assistants.	31
Theatre Assistants.	23
Sisters.	61
Staff Nurses.	228
Student Nurses :	
1st year	54
2nd year	83
3rd year.	79
Therapists :	
Speech Therapist. ... ..	...
Occupational Therapist.	10
Physio Therapist.	10
Dieticians.	2
Medical Social Workers.	9
Administration Staff Officer :	
Ward Officer	1
Office Superintendent	1
Supdt. of Pharmacy	1
Medical Record Officer	1
Head Clerks	10
Clerks	52
Clerk-cum-typist	16
	(MC's Schedule)
Typists	3
Librarian ... ..	...
Medical Record Technicians	5
Sr. Technicians	6
Technicians	43
Lab. Assistants	18
Lab. Attendants	13
Time Keeper	2
Mortuary Attendants	4
Peons	13
Registration Assistants	21+2 (Leave Reserves)

Part Time Registration Assistants	...	...	...	...	...	...	3
Assistant Artists	...	...	...	...	...	...	2
Patient Guide	...	...	...	...	...	...	2
Refrigeration Mech.	...	...	...	...	...	...	2
Ref. Operators	...	...	...	...	...	...	10
O.R.M.	...	...	...	...	...	...	1
Photographer-cum-artist	...	...	...	...	...	...	1
Jr. Steno.	...	...	...	...	...	...	3
Telephone Operators	...	...	...	...	...	...	3
Sr. Registration Assistant	...	...	...	...	...	...	1
Labour Staffs :							
Ward Boys	...	...	...	...	...	...	181
Ayas	...	...	...	...	...	...	74
Sweepers	...	...	...	...	...	...	125
Metrani	...	...	...	...	...	...	62
Hamals	...	...	...	...	...	...	88

APPENDIX II.
Distribution of Beds according to Department.

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
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.	Orthopedic	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)	12	4	..	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 (S)	2	2	..	4
29.	M.A.C.U.	12	..	..	12
30.	Paying Wards	10	10	..	20
Total		495	276	59	830

APPENDIX III
The number of accident cases treated.

Sex.	Treated in casualty Department.		Admitted through Casualty Department.		
	1979	1980	1979	1980	
Male	16,889	13,792	4,237	3,613	
Female	3,556	30,65	1,324	1,052	
Children	Male	3,759	3,040	824	721
	Female	1,651	14,09	429	390
Total	25,855	21,306	6,814	5,776	

APPENDIX IV

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						
1980 ...	5.84	15.02	3.90	3.29	32.08	60.13
1979 ...	4.02	13.00	3.06	3.29	28.05	51.42
			<i>Out-patient</i>			
1980 ...	...	3.92	0.97	0.22	6.07	11.18
1979 ...	...	3.62	0.85	0.19	4.08	8.74

APPENDIX V

Statement showing the Out-Patients (New O.P.D., Casualty) in the B.Y.L. Nair Charitab Hospital during the year 1979. 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	.. 46113	21899	..	..	68012	874	436	..	..	1310
Surgical	.. 29415	7439	4885	2626	44365	9386	1877	2046	1007	14316	
Ophthalmic	.. 7533	2947	762	477	11719	263	20	33	9	325	
Gynaec	.. ..	8683	..	1	8684	..	18	..	8	26
Skin	.. 19093	5626	4795	3673	33187	11	7	1	2	21	
Aural	.. 8527	4799	2849	2218	18393	149	20	23	17	209	
Orthopedic	.. 9009	4179	1431	830	15449	2437	506	573	192	3708	
Paediatric	.. ..	..	14390	11592	25982	..	..	127	92	219
Maternity	.. ..	4672	..	..	4672	..	56	..	..	56
T. B.	.. 1232	475	..	..	1707	14	1	..	..	15
Cardiology (Med.)	.. 493	202	84	75	854	1	..	..	..	1
Gastroenterology	.. 380	157	4	10	551	..	..	..	..	..
Psychiatric	.. 2095	1269	107	52	3543	13	6	..	..	19
P. S. D.	.. 6	62	41	28	137	..	..	..	..	..
Rheumatic and Col. Disease	.. 49	58	2	..	109	1	..	..	..	1
Neuro-Surgery	.. 213	96	52	33	394	13	2	2	..	17	
Neurology	.. 218	121	28	27	394	6	1	1	..	8	
Plastic Surgery	.. 190	87	98	61	436	132	12	32	11	187	
Gastroenterology Surgical Service	.. 30	3	15	10	58	..	..	..	..	..
Renal Surgery	.. 89	34	..	..	123	..	..	..	..	..
Genito-urinary Surgical Service	.. 53	8	7	..	68	..	..	..	..	..
Thyroid Surgery	.. 62	139	3	4	208	..	..	..	..	..
Anti Rabies	.. 1091	251	424	169	1935	489	103	202	70	864	
Diabetic	.. 93	60	..	..	154	1	..	..	..	1
Haematology	.. 27	29	15	1	86	..	..	..	..	..
Special Care	.. ..	..	816	648	1464	..	..	..	..	..
Thoracic Surgery.	.. ..	..	..	..	..	..	..	..	..	..
Asthma	.. 46	25	..	..	71	..	..	..	..	..
Hypertension	.. 2	..	..	1	3	..	..	..	..	..
Cardiology Surgical	.. 49	13	31	15	108	2	..	..	1	3
D. T.	.. ..	..	..	..	..	..	..	..	..	..
P. T.	.. ..	..	..	..	..	..	..	..	..	..
Total	.. 126108	63353	30839	22566	242866	13792	3055	3040	1409	21306	

APPENDIX VI

Summary of In-Patient Classified According to Department and Sex

Department	SEX	In the hospital on mid-night of 31-12-1979	Admitted during the year 1980	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1980
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Medical	Male ..	164	5677	5841	2131	3011	552	147
	Female ..	78	2738	2816	1050	1495	207	64
	Total ..	242	8415	8657	3181	4506	759	211
Surgical	Male ..	152	6999	7151	2870	3838	313	130
	Female ..	42	2007	2049	825	1053	130	41
	Male Child ..	5	1038	1043	900	110	24	9
	Female child ..	6	453	459	372	65	18	4
	Total ..	205	10497	10702	4967	5066	485	184
Ophthalmic	Male ..	26	596	622	475	120	1	26
	Female ..	6	349	365	300	57	..	8
	Male child ..	1	54	55	40	15	..	..
	Female child ..	..	42	42	32	10	..	..
	Total ..	33	1051	1084	847	202	1	34
Gynaec & Obst.	Female ..	23	1843	1866	950	869	7	40
	Female child ..	..	11	11	8	2	1	..
	Total ..	23	1854	1877	958	871	8	40
Skin & V.D.	Male ..	13	111	124	100	16	1	7
	Female ..	3	30	33	28	3	..	2
	Male child ..	1	6	7	6	..	..	1
	Female child ..	..	7	7	6	..	..	1
	Total ..	17	154	171	140	19	1	11
E. N. T.	Male ..	30	1297	1327	1108	160	20	39
	Female ..	15	918	933	847	56	9	21
	Male child ..	6	509	515	436	72	..	7
	Female child ..	2	463	465	400	59	..	6
	Total ..	53	3187	3240	2791	347	29	73
Orthopedic	Male ..	160	2071	2231	563	1492	34	143
	Female ..	50	877	927	152	713	16	46
	Male child ..	12	414	426	98	310	1	17
	Female child ..	10	219	229	80	140	2	7
	Total ..	232	3581	3813	892	2655	53	213
Paediatric	Male Child ..	48	2338	2386	1592	502	246	46
	Female Child ..	28	1727	1755	1130	397	191	37
	Total ..	76	4065	4141	3722	899	437	83
Maternity	Female ..	101	5946	6047	..	5964	6	76
	Total ..	101	5946	6047	..	5964	6	76
T. B.	Male ..	20	845	865	..	788	65	12
	Female ..	7	224	231	..	210	19	2
	Total ..	27	1069	1096	..	998	84	14
Cardiology	Male ..	18	292	310	..	292	4	14
	Female ..	5	99	104	..	87	7	10
	Male child ..	..	42	42	..	41	..	1
	Female child ..	..	26	26	..	25	1	..
	Total ..	23	459	482	..	445	12	25
Gastro-entology (Medical).	Male ..	13	243	256	..	231	10	15
	Female ..	8	127	135	..	125	7	3
	Male child ..	..	1	1	..	1	..	..
	Female child ..	..	1	1	..	1	..	..
	Total ..	21	372	393	..	358	17	18

APPENDIX—VI.

Department	SEX	In the hospital on mid-night of 31-12-1979	Admitted during the year	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1979	
					Cured	Otherwise			
1	2	3	4	5	6	7	8	9	
Renal Surgery	Male	..	1	75	76	..	71	3	2
	Female	..	..	12	12	..	12	..	..
	Male Child	...	...	1	1	..	1	..	..
	Total	..	1	88	89	..	84	3	2
Cardiac Surgery	Male	..	5	121	126	..	105	9	12
	Female	..	3	58	61	..	52	3	6
	Male child	..	1	20	21	..	18	3	..
	Female child	..	2	13	15	..	14	1	..
Total	..	11	212	223	..	189	16	18	
Psychiatric	Male	..	23	717	740	101	608	..	31
	Female	..	17	457	474	51	406	1	16
	Male child	..	..	10	10	..	10	..	..
	Female child	..	..	10	10	..	10	1	..
Total	..	40	1194	1234	152	1034	1	47	
Rheumatic & Collagen Diseases.	Male	..	4	21	25	..	21	..	4
	Female	...	...	5	5	...	5	...	...
	Female child	..	..	1	1	..	1	..	..
	Total	..	4	27	31	..	27	..	4
Neurology	Male	..	15	184	199	..	173	12	14
	Female	..	2	61	63	..	55	4	4
	Male child	..	..	12	12	..	12	..	..
	Female child	..	..	7	7	..	6	..	1
Total	..	17	264	281	..	246	16	19	
Neuro-Surgery	Male	..	17	199	216	..	182	13	21
	Female	..	7	83	90	..	77	9	4
	Male child	..	1	35	36	..	30	1	5
	Female child	..	2	27	29	..	22	3	4
Total	..	27	344	371	..	311	26	34	
Plastic Surgery	Male	..	9	232	241	..	233	1	7
	Female	..	2	69	71	..	70	..	1
	Male child	..	..	82	82	..	79	..	3
	Female child	...	...	60	60	...	57	1	2
Total	..	11	443	454	..	439	2	13	
Gastroenterology Surgical Service.	Male	..	..	10	10	5	2	..	3
	Female	..	..	2	2	1	..	..	1
	Male child	..	..	2	2	..	2	..	..
	Total	..	..	14	14	6	4	..	4
Asthma	Male	...	...	...	...	...	...	...	...
	Male child	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...
Genito-Urinary Surgical Service.	Male	..	..	9	9	..	9	..	..
	Female	..	..	1	1	..	1	..	..
	Male child	..	..	2	2	..	2	..	..
	Total	..	..	12	12	..	12	..	..
Diabetic	Male	..	5	70	75	..	71	1	3
	Female	..	..	34	34	..	34	..	..
	Total	..	5	104	109	..	105	1	3
Haematology	Male	..	..	16	16	..	16	..	..
	Female	..	..	17	17	..	17	..	..
	Male child	..	..	17	17	..	16	1	..
	Female child	..	..	17	17	..	16	1	..
Total	..	..	67	67	..	65	2	..	
Hypertension	Male	...	...	1	1	...	1	...	...
	Female	...	...	...	...	...	...	...	...
	Total	...	...	1	1	...	1	...	...
Thoracic Surgery	Male	..	..	7	7	..	7	..	..
	Female	..	..	1	1	..	1	..	..
	Total	..	..	8	8	..	8	..	..
Grand Total	..	1169	43428	44597	16656	24855	1959	1127	

APPENDIX VI

List of Publication and Papers read :-

Doctor.	Subject	Particulars where published.
(1) General Surgery.		
Dr. S. S. Lal	Experience on Male Infertility.	Lecture at Institute of Urology, London, in June 1980.
	Experience with 350 cases of vasal reversal surgery.	10th World Congress on Fertility, Sterility, Madrid, July 1980.
	Presented experiences in vasal reversal surgery and conducted operative demonstration session in Microscopic Vasal Surgery.	At Guys' Hospital London in August 1980.
		Participated in Workshop, and 1st Indian Annual Conference of Sexologists, Sex Education and Councillors in Bombay in November 1980.
	Invited as speaker at Continuing Medical Education Programme on "Recent Trends on Renal Calculus Surgery for Post Graduates.	At 40th Annual Conference of A.S.I. Calcutta December 1980.
	Varicocoele clinical evaluation testicular histology and surgical treatment.	40th Annual Conference A.S.I. Calcutta, December 1980.
(2) Gynaec and Obstetric.		
Dr. (Mrs.) C.M. Alwani	Perinatal Mortality.	IIIrd International Seminar on Maternal and Perinatal Mortality at Delhi in December 1980.
	Poverly and Resistance to Family Planning.	Journal of Family Planning Assoc. of India.
	Non electrical methods for tubal sterilizations.	Endoscopy Association training programme on 5-3-1980.
	Selective Filtration of Abnormal Spermatozoa by the Cervical Mucus in Virto.	The Bombay Obstetrics and Guynaecological at Hotel Oberoi Towers, from 31st May to 1st June 1980.
	Genital Malignancy.	The Bombay Obstetrics and Gynaecological Society. The VIII Annual Conference at Hotel Oberoi Towers, from 31st May to 1st June 1980.
Dr. (Mrs.) C. M. Alwani.	Cervical factor in infertility.	Xth World Congress on in fertility and sterility. From 5th to 12th July 1980 in Spain.
	Laparoscopy in infertility.	All Indian Congress in Obst. and Gyn. at Chandigad in Dec. 1980.
	Review of perinatal mortality at B.Y.L. Nair Ch. Hospital.	IIIrd International Seminar on Maternal and Perinatal Mortality at Delhi in December 1980.
	Maternal Mortality.	IIIrd International Seminar on Maternal and Perinatal mortality at Delhi in December 1980.
Dr. M. Y. Rgwal.	Naegles pelviscase report.	Indian Journal of Obst. & Gyn.
	Pyridomic as Antilactating Agent.	Indian Journal of Obst. & Gyn.
	Pregnancy with Torsion of Intestine.	Indian Journal of Obst. & Gyn.

APPENDIX VII.—(Contd.)

Doctor.	Subject.	Particulars where published.
	Intranatal Asphyxia and Perinatal mortality.	IIIrd International Seminar.
	Breech Presentation in Preterm-gravidas.	VIIIth Annual Conference of Bombay Obst. & Gyn. Society.
	Intranatal Asphyxia and Perinatal Mortality.	IIIrd International Seminar on Perinatal Mortality, Maternal Mortality and sterilization.
	Preliminary study on preterm preterm labour.	24th National Congress of Federation of Obst. & Gyn. Society of India.
	Pyridomic as an Antilactating Agent.	First National Congress of Hormones in Human Reproduction.
	Role of Laparoscope in work up in Infertile couple.	Spain Conference, and I. C. S. Conference.
Dr. (Mrs.) R. N. Merchant.	Moderator/Member Pannel Discussion on lactation.	First National Congress on Hormones and Human Reproduction, Bombay November 1980.
	Laparoscopic sterilization in camps.	Pre-congress Training Programme, First National Congress on Hormones and Human Reproduction, Bombay, November 1980.
	Low Wattage Bipolar Cauterisation in Female Sterilization.	3rd International Seminar on Maternal and Perinatal Mortality, Pregnancy Termination and Sterilization, New Delhi, Oct. 1980.
	Rapporteur at the Scientific Session on Sterilization.	3rd International Seminar on Maternal and perinatal Mortality, Pregnancy Termination and Sterilization.
	Surgery of Pathologically 'Blocked Tube.'	8th Annual Conference of Bombay Ob.-Gy. Society, June 1980. Panel participant : Symposium on Micro-surgery in Gynaec. 8th Annual Conference Ob-Gyn. Society.
	Experience with Low Wattage Bipolar Cauteris of tubes in Female Sterilization.	Scientific papers of India Fertility Research Programmes, May 1980.
	Dysfunctional Uterine Bleeding.	Indian Medical Association, Chembur, January 1980. As Faculty member for Pre-Congress Training Programme in Laparoscopy, First National Congress on Hormone and Human Reproduction Bombay, November 1980. As Moderator Pannalist, First National Congress on Hormones and Human Reproduction Nov. 1980, Bombay. As a speaker and Reproteur, Third International Seminar on Maternal and Perinatal Mortality, Fregnancy Termination and Sterilisation, October 1980, New Delhi. As a participant in Third International Seminar on Maternal and Perinatal Mortality Pregnancy Termination and Sterilization, Workshop on Micro-surgery in Gyn. Lauvan Belgium, July 1980. 22nd British Congress of Obstetrics and Gynaecology, Edinb.rgh (UK) July, 1980. Third International Symposium on Gynaecological Microsurgery, Leuven, Belgium, July 1980.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where Published.
(3) Paediatrics.		
Dr. P. M. Pai	.. Diphtheria in immunised children.	XVII National Conference of Indian Academy of Paediatrics, Banglore.
	.. Screening for Hyperlipidemia in neonatal Period.	XVII National Conference, Banglore.
Dr. S. M. Lokeshwar Dr. P. M. Pai. Dr. M. V. Kulkarni.	.. Pattern of ABD and Rh Blood groups in newborns.	XVII National Conference of Paediatrics, Banglore.
Dr. P. R. Sureka Dr. P. M. Pai. Dr. M. V. Kulkarni.	.. A study in Gaps in Parental awareness.	XVII National Conference of Paediatrics, Banglore.
Dr. P. R. Sureka Dr. P. M. Pai. Dr. M. V. Kulkarni. Dr. S. H. Samel.	.. Preliminary study of determinants and effects of repeated admissions.	XVII National Conference of Paediatrics, Banglore.
Dr. S. M. Lokeshwar. Dr. P. M. Pai.	.. Mortality in Children—A study of 1690 deaths.	Indian Ped. February 1980.
Dr. P. M. Pai	.. Antispasmodics in children—'Drug Therapy in Paediatrics.	February 1980.
Dr. M. V. Kulkarni Dr. S. M. Lokeshwar. Dr. P. M. Pai. Dr. R. J. Khanna.	.. Assessment of Mothers' knowledge of diarrhoeal diseases.	Paed. Clinics of India April 1980.
Dr. M. V. Kulkarni Dr. P. M. Pai.	.. Clinical study of congenital syphilis.	Bombay Hospital Journal 33:11, 1980.
Dr. N. H. Thakkar Dr. P. R. Sureka. Dr. P. M. Pai.	.. Poisoning in children.	Ped. Clinics of India, April 1980.
Dr. S. M. Vaidya Dr. P. M. Pai.	.. Fungal Pneumonia.	Bombay Hospital Journal 25 : 52, 1980.
Dr. P. R. Sureka Dr. P. M. Pai. Dr. P. J. Dias.	.. Radial Ray Deformity.	Ped. Clin. India, April 1980.
Dr. R. K. Anand Dr. R. P. Agarwal.	.. Commitment to cause of Breast.	Editorial, Ind. Paediatrics, May 1980.
Dr. R. D. Potdar	.. Current Epidemiological Trends in parasitic diseases in children.	XVI Int. Ped. Congress.
(4) Anaesthesiology.		
Dr. V. M. Divekar Dr. D. Dasgupta. Dr. I. P. Kavadia.	.. Pollution in operation theatres.	1980.
Dr. V. M. Divekar Dr. I. P. Kavadia. Dr. B. M. Kamdar. Dr. S. A. Gore.	.. Althesin (C. T. 1341) in Electroconvulsive therapy.	Indian Journal of Anaesth. 1980, 28, 291.
Dr. D. Dasgupta Dr. L. Deulkar. Dr. V. M. Divekar. Dr. D. B. Deval. Dr. M. M. Bhatt. Dr. A. J. Dhruva. Dr. C. Patel.	.. Intrathecal hypertonic saline for intractable pain relief.	Ind. Jour. Anaesth, 1980, 28,10.
Dr. V. M. Divekar. Dr. B. M. Kamdar.	.. Respiratory obstruction due to faulty endotracheal tube.	Asian Archives of Anaesthesiology and resuscitation-1980, 1, 35.
Dr. R. J. Santani Dr. D. Dasgupta. Dr. V. M. Divekar.	.. Functional behavior and utility, of Bain's circuit.	Asian Archives of Anaesthesiology 1980, 1, 61-68.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where Published.
Dr. V. M. Divekar Dr. H. Rakasha.	Haemangiomas of the Airway.	Indian Society Anaesthetists held at Bombay in March 1980.
Dr. S. Pansare Dr. B. M. Kamdar. Dr. V. M. Divekar.	Pulmonary Embolism during Anaesthesia.	Indian Society of Anaesthetists held at Bombay in March 1980.
Dr. V. M. Divekar	Symposium on Replacement Fluid Therapy Hazards of IV fluids.	Bombay.
Dr. I. P. Kayadfa. Dr. V. M. Divekar.	Symposium on Steroid muscle.	Bombay.
Dr. V. M. Divekar Dr. M. S. Daftary.	Carticaine-a new spinal anaesthetic.	Annual conference of Indian Society of Anaesthetists in Dec. 1980.
Dr. J. R. Patel Dr. V. M. Divekar.	Anaesthesia and Infective Hepatitis.	Hyderabad in 1980.
Dr. V. Bhagatwala Dr. V. M. Divekar. Dr. P. K. Shah.	Pseudocholinesterase, Scoline No. and Infective Hepatitis.	Hyderabad in Dec. 1980.
(5) Gastroenterology.		
	Diagnostic Advances in Gastroenterology.	Bombay Hospital Journal.
	Immunology of the Gastro-intestinal tract.	Journal of the J. J. Group of Hospitals and G. M. College.
	Physiological treatment of fulminant Hepatic failure.	(Abstract)—Gastroenterology.
(6) Plastic Surgery.		
Dr. S.M. Mahaluxmivala Dr. Ashok Shah.	Electrical Burns.	Burns Conference held at B. J. Wadia Hospital and sponsored by "Burns Association" (Bombay Chapter).
(7) Endocrinology.		
Dr. S. M. Shahani	Scope of cervical mucus evaluation for ovulation timing.	Bombay Obstetric and Gynaecological Society meeting in May 1980, Bombay.
	Clinical application of R. I. A. of Hormones in menstrual disorders.	First National Congress on Hormones and Human Reproduction 22nd to 25th November 1980, Bombay.
Asstt. Professor of Endocrinology.	Clinical and Hormonal Profiles.	First National Congress on Hormones and Human Reproduction 22nd to 25th November, 1980 Bombay.
Dr. S. M. Shahani	Cases of Congenital Adrenal Hyper-plasia.	Paediatric meeting in January 1980.
	Talk given on "Scope of R. I. A. in diagnostic Endocrinology.	Quarterly meeting of staff society in April 1980.
	Speak on Obesity.	Symposium on Obesity in September 1980. Invited by Association of Physiotherapist.
	Speak on Hypothalamic - Pituitary Goanadal Assessment.	Invited by Association of Clinical Biochemists in September 1980.
	Speak on Ovulation.	Invited by Family Planning Association of India in October 1980.
	Diagnostic advances in Endocrinology.	Bombay Hospital Journal 22 : 23, 1980.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where Published.
(8) Preventive and Social Medicine.		
Dr. (Mrs.) Saroj S. Jha	Talk on Health Education and Presentation of audio-visual show.	Annual Conference of Indian Association of Preventive and Social Medicine, Rewa. Jan. 1980.
		Attended ICNR workshop on utilisation of Primary Health Centres for Training Students in Community Medicine, All India Institute of Public Health, Calcutta, January 1980.
	Burns Mortality in Bombay City.	Burns Symposia of the Burns Association of India, Bombay, January 1980.
	Mother's Health Deserves Highest priority	Conference of Social Work KEM Hospital, Bombay, June 1980.
		Health Education Workshop on Television for Education and Development, Space App. Centre Ahmedabad, June 1980.
		Health Education Nonformal workshop on Audio-visual Resources in Education, NCERT, Bangalore, 1980.
		Attended seminar on "Tomorrows Parents Today" F.P.A.I. New Delhi, November, 1980.
	Counselling skills.	First National Conference of the IASECT, Bombay December 1980.
	Talk on "Smoking and Health."	Indian Medical Association, April, 1980.
	Talk on "Restoring Credibility to Family Planning."	October, 1980.
Dr. Saroj S. Jha. Co-authors. Mr. As. Mohammed. Dr. G. A. Kothari.	Infant and child Mortality in Bombay.	Chapter 10, Demographic and Socio-economic aspects of child in India. Editor Dr. K. Srinivasan, Dr. P. C. Saxena, Tara Kanithar, Himalaya Publishing House 1980.
	Some thoughts on Health Education.	Bull. of Indian Federation of Medical Gills, Vol. 5, No. 1. January 1980.
Dr. (Mrs.) Gopa Kothari.	Do you require Primary health care in an urban field practice area.	Xth Annual Conference of Indian Association of Preventive and Social Medicine, Rewa, January 1980.
	Study of Scabies in Urban Slums.	At the joint Annual Conference of Indian Public Health Association and Indian Association for communicable diseases, Feb. 1980.
Dr. (Mrs.) Gopa Kothari.		Attended workshop on Teachers Training Technology at T. N. Medical College.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where Published.
Dr. (Mrs.) Gopa Kothari. Co-author. Dr. P. Subramanian.	Study of scabies in Urban Slums.	Journal of Indian Association of communicable disease, Vol. 3, No. 1 and 2.
Dr. (Mrs.) Gopa Kothari.		Drama in Gujrati in College Magazine on Prevention of Smoking on the theme of WHO.
Dr. P. Subramanian.	Need for Sex Education based on studies in different population groups.	X National Conference of IAPSM, Rewa M. P., January 1980. Attended work shop on Teachers Training Technology at T.N.M.C. Was a member of the Scientific Committee of 1st National Conference, and Preconference Workshop of Indian Association of Sex Educators Counsellors and Therapists.
Dr. Vijay A. Naik		Organised a symposium on 'Smoking and Health.' Attended the workshop on Teachers Training Technology at Topiwala National Medical College.
Dr. R. Y. Aras		Participated in the symposium on 'Smoking and Health.'
(9) Pharmacology.		
Dr. (Mrs.) S. A. Desai Dr. (Mrs.) S. R. Melgiri.	Precocious puberty in female immature rats and the cholinergic system.	XXVIth Annual Conference of Association of Physiologists and Pharmacologists of India.
Professor S. R. Amladi	Suppression by Diphenylhydantoin of Fighting in rats induced by Reserpine and Apomorphine. Enteric fever and their therapeutics.	XXVIth Annual Conference of Physiologists and Pharmacologists of India held in Bombay in December, 1980. At a symposium organised by the Chembur Branch of the Indian Medical Association in Bombay in March, 1980. Attended the VI Annual conference of Pharmacologists of Maharashtra in August 1980 at Pune. Hon. Editor, of the Indian Society for Clinical Pharmacology and Therapeutics. Continued as a member of the Executive Committee of the Bombay Natural History Society and also as Chairman of its Nature Education Scheme. Continued as a member of the Board of Studies in Pharmacology and allied subjects, and as a member of the Faculty of Medicine of the Bombay University.
Dr. D. A. Joseph	Pharmacokinetics of drugs in renal failure.	At the session 'Recent Advances in Nephrology arranged by the Association of Physicians in January, 1980 at Trivendrum. Participated in a panel discussion on 'Medical Education' at the same conference.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where published
	Pharmacological aspects of Fluorides.	At the annual Conference of the Bombay Branch of the Dental Association of India in Feb. 1980.
Dr. D. A. Joseph Professor J. C. Bijlani.	Evaluation of Orciprenaline as an antidepresent.	XIIth Annual Conference of Indian Pharmacological Society at Jammu in September, 1980. Attended the Maharashtra Pharmacologists Conference at Pune in September, 1980.
(10) Skin & V. D.		
	Focus on Cryptococcosis. Photochemotherapy of Psoriasis with oral 8-methoxy-psoralen (8-mop) and solar irradiation (Puvasol therapy).	A case report.
(11) Psychiatry.		
Dr. P. C. Shastri Dr. A. M. Tolia, Other Resident Staff	Bio-Psycho Social Sex Role and Bronchial Asthma	The Annual West Zone conference of the Indian Psychiatric Society, Held at Mahableshwar in October 1980.
Dr. A. P. Patkar, Dr. P. C. Shastri, Dr. A. M. Tolia		The Annual conference of Indian Psychiatric Society was held at Ahmedabad in Dec. 1980.
Dr. A. P. Patkar	Common mental health problems in Industry.	All India Medical Officers of Hindustan Lever Ltd. on 3rd October 1980.
Dr. A. P. Patkar	Dealing with a Homosexual.	1st National Conference of Sexology and preconference workshop on December 13, 1980.
Dr. P. C. Shastri	Talked on Psychiatric Rehabilitation	All India Institute of Rehabilitation, Bombay
Dr. P. C. Shastri	Psychiatric problems in Family Practice Talked on Child Psychiatry	One day seminar at Nasik.
Dr. P. C. Shastri	Perception, Perceptual Development	One day seminar by POSAT INDIA
Dr. P. C. Shastri	Pain in Abdomen	One day seminar at Chembur, Medico-Bombay.
	Bio-Psycho Social Sex Role and Bronchial Asthma	Annual West Zone conference held at Mahableshwar in Oct. 1980.
	Longitudinal Study of influence of Nutritional and Physical environment in Mental and Motor developmental lag in first 18 months of early childhood	Annual West Zone conference held at Mahableshwar in October 1980.
	Demographic comparison in married and unmarried M.T. P.	The Annual West Zone conference held at Mahableshwar in October 1980.
	Identification of Psychiatric Problem in Municipal School children—A Pilot Project.	The Annual Conference of Indian Psychiatric Society held at Ahmedabad in December 1980.
	Pilot Project in Preventive Psychiatry.	Bombay Civic Journal September 1980.
	Borderline States	Journal of Community Mental Health.

APPENDIX VII—(Contd.)

Doctor	Subject	Particulars where published
(12) Microbiology.		
Mr. M. G. Kulkarni Mr. S. A. Angadi Dr. (Mrs.) P. K. Murti. Dr. C. R. Setty Dr. Z. S. Bharucha	Serological Screening of syphilis in different categories of diseases	4th Annual Conference of Indian Association S.T.D. 1980 at Vishakhapattanam.
Mrs. M. George. Dr. (Mrs.) P. K. Murti.	Antibody Titres in Measle.	At I.A.P.M. Regional Conference, Nagpur 1980.
Miss. A. Mehendale Dr. K. P. Deodhar. Dr. P. M. Chaphekar.	Complement levels as a prognostic Index in acute viral hepatitis.	At I. A. P. M. Conference Chandigarh 1980.
(13) Haematology.		
Dr. A. J. Desai	ESR in Aplastic anemia	International Congress of Haematology at Montreal in August 1980.
Dr. K. C. Shah	A review of 163 cases of Leukemia from Haematology Department of Nair Hospital.	All India Onchology Conference at Jabalpur.
	A case of Burkits lymphoma.	All India Onchology Conference at Jabalpur.
(14) Thoracic Cardio Vascular Surgery.		
Dr. B. R. Kalke	Surgical Management of Mitral Valve Diseases in Children.	105th Quarterly meeting of the Staff Society of B.Y.L. Nair Ch. Hospital and T. N. Medical College held on 1st December 1980.
Dr. B. R. Kalke.	Tumours of the Heart—A Pathological study.	First Mid-term Onchology Sectional Conference held at Tata Memorial Hospital.
Dr. B. R. Kalke.	Neoplasms of the Heart with Special Reference to Surgical Management.	108th Quarterly Meeting of the Staff Society of B. Y. L. Nair Ch Hospital and T. N. Medical College held on 1st December 1980.
(15) Cardiology.		
Dr. K. D. Shah	Echocardiography.	Editorial Indian Paediatrics 16 : 1151-1980.
	Hoarseness of Voice—a presenting manifestation of Primary Pulmonary Hypertension.	Ind. J. Otolaryng. 32 : 35 1980.
	Tricuspid valve echography with special reference to Ebstein's anomaly.	At Ascan Congress of Cardiology-Singapore. Annual meeting of CSI and CVTISI at Poona.
	Cardiomyopathy. Nomenclature and classification.	Ind. Heart J. Teaching Series 1980.

APPENDIX No. VIII

Radiology Department

Investigations carried out.

(I) Respiratory System:

	Total No. of patients		Total No. of patients
Bronchograms	80		
(II) Cardio-vascular System :			
Arch Aortograms.	13	Vemoral Angiograms.	20
Aortograms.	30	Inferior Vena Cavograms.	5
Carotid Angiograms.	300	Trans Lumber Aortograms.	25
V. B. Angiograms.	10	Brachial Angiograms.	3
Renal Angiograms.	10	Selective Coeliac Angiograms.	10
Spinal Angiograms.	2	Venograms.	10
(III) Gastro-Intestinal System :			
Sialography.	20	Oral Cholecystograms.	140
Paryngography.	20	I. V. Cholangiograms.	8
Palatography.	10	T. Tube Cholangiograms.	8
Carium Swallow.	350	Operative Cholangiograms.	8
Barium Meal.	900	Oral Cholangiography.	..
Barium Enema.	170	Percutaneous Trans-hepatic Cholangiography.	52
Hypotonic Duodenography.	17	Porto-venogram (Splenogram).	70
(IV) Genito-Urinary System :			
I. V. P. (Intravenous Pyelography).	600	Mict. Cystourethrogram.	25
Ascending pyelography.	40	Cystograms.	25
Cystourethrogram.	23	Retrograde Urethrograms.	50
		Perirenal Pneumography.	3
(V) Cranial Nerve System :			
Air Ventriculograms.	12	P. E. G.	12
Myelogram.	200	Myodil Ventric.	40
(VI) Obstetric & Gynaec. :			
Hysterosalpingograms.	100		
(VII) Miscellaneous :			
Trigonal Injection	..	Cavitogram.	30
Fistulogram.	15	Pelvic Angin.	1
Sinusograms.	20	Ultrasonograms.	400
Lymphangiograms.	7	Routine X-Ray Investigations.	77222
Dacryocystogram.	12		
Total No. of patients X-ray during the year 80.			80107
Total No. of X-ray plates used during the year 1980.			148185
Fluoroscopies.			83424

APPENDIX No. IX

List of Research Work

Doctor.	Subject
	(A) General Surgery.
Dr. D. R. Trivedi.	Splenectomy in management of haemetological disorders. Ultrasound in liver diseases. Peritoneoscopy in General Surgical Patients. Chemo therapy and malignancies. Saphenoperitoneal shunt in management of ascites. Rodney Smith's mucosal graft in management of malignancy of Bile duct. Modified Hollander's test in post vagotomy patients. Optical internal urethrotomy in the management of obstructive jaundice. Carrying out research on Portoatrial shunt in the management of Portal hypertension an international project in collaboration with Wayne State University grant.
Dr. S. S. Lal.	.. Study of Ca Bladder-actrology and behaviour in Indian popklation with the list of Urology London. Use of Internal Urethrotomy for stricture urethra Role of. Venography in varicose with veins. Aetiology of Acute epididymo orchitis.
Dr. R. L. Shah.	.. Research project on Hyperalimantation in General Surgery continued further with increase in number of cases with dramatic results and lease of new life to many poorrisk patients. Due to lack of availability of funds this could not be carried out in all the indicated patients.
Dr. A. E. Mody.	.. Revision surgery for Do. Ligation of Varicoele Oligosermia (Review of scrotal approach)
	Experimental Surgery. Production of a model of pancreatitis in dogs

APPENDIX—IX (Contd.)

Doctor	Subject
(2) Obstetric and Gynaec	
Dr. (Mrs.) C. M. Alwani.	<p>Prostaglandin I. M. for 2nd Trimester Termination of Pregnancy-Upjohn Trial.</p> <p>Hysteroscopy in Gynaecological disorders and Infertility.</p> <p>Screening project for early detection of genital malignancy.</p> <p>Estimation of A. F. P. amniotic fluid and serum of end trimester termination patients in collaboration with Institute of Research in Reproduction.</p> <p>Study of cervical mucus in work up of infertile couples.</p> <p>Male Infertility.</p>
Dr. (Mrs.) R. N. Merchant.	<p>Comparative study of Low Wattage Bipolar Cauterisation of tube and Fallope Ring Application to tube for Female Sterilisation.</p> <p>Study of utero-tubal junction area.</p> <p>Extraovular Injection of 0.01 percent Acriflavine for mid trimester abortion.</p> <p>Study of Reconstructive tubal surgery in infertility.</p> <p>Infertility and Diagnostic Laparoscopy.</p>
(3) Anaesthesiology :—	
	<p>Etomidate—a new I. V. Anaesthetic agent.</p> <p>Pseudocholinesterase estimation, Scoline numbers for atypical esterases.</p> <p>Carticaine—a new spinal anaesthetic.</p> <p>Dorsalia-Pedis cannulation for arterial pressure monitoring.</p> <p>Evaluation of various anaesthesia vaporisers.</p> <p>Study of resistance in anaesthesia circuits.</p> <p>Use of hypotensive agents.</p>
(4) Plastic Surgery :	
	<p>Management of Pan Facial Fractures.</p> <p>Reconstruction of the Thumb.</p>
(5) Gastroenterology.	
	<p>DNA Estimation of Gastric content after infusion of various gastric irritants.</p> <p>Intra-gastric Titration in normals and Duodenal ulcer patients after infusing Meal without chilli and with chillies.</p> <p>Comparison of Gastric Secreting capacity by titrating gastric acidity in Vitro and in Vive by infusion of Soda-bi-carbonate at PH 5.5</p> <p>Effect of Polycrol Forte Tablets on Gastric Acidity in Duodenal ulcer patients.</p>
(6) Endocrinology :	
	<p>Clinical studies in field of Fertility Regulation.</p> <p>Experimental studies in Reproductive Biology.</p> <p>Animal House Breeding, Maintenance and supply to other departments of the Institutions.</p> <p>Clinical studies in growth retardation.</p>
(7) Preventive and Social Medicine :	
Dr. Saroj S. Jha.	.. Child rearing practices in slums Communities.
Mrs. Vijaya Karnik.	.. Effect of oral Rehydration in Diarrhoeal cases.
Dr. Jha.	.. Smoking habits in youth of slums.
Dr. Aras.	.. Burns-Mortality in Bombay City.
Dr. Goel.	.. Impact of Health Education Programme.
Dr. Jha.	.. Sex and Family life education for youth.
Mrs. Asha Krishnamurthy.	.. Scholastic backwardness in school children.
Dr. Goel.	.. Study of Morbidity patterns in Kathiawadi Sweeper Community.
Dr. Jha.	
Dr. Subramanian.	
Dr. Gopa Kothari.	
Mrs. Vijaya Karnik.	
Mrs. Asha Krishnamurthy.	
Dr. Gopa Kothari.	
Dr. Vijaya Karnik.	
Mrs. Vijaya Karnik.	

APPENDIX—IX (Contd.)

Doctor	Subject
Dr. Gopa Kothari Dr. Vijaya Naik.	Study of effect of oral rehydration fluid in growth of underfive.
	(8) Paediatrics.
Dr. (Mrs.) P. M. Pai.	XVII National Conference of Paediatrics, Bangalore-conference attended. Delivered a guest lecture on 'High risk Pregnancy' under the auspices of Govt. of India at All India Institute of Physical medicine & rehabilitation.-conference attended. Devlivered guest lectures on 'Emotionally deprived child' and 'Socially insecure child' at Govt. Medical College, Bhopal under the auspices of India Academy of Paediatrics-conference attended.
Dr. R. P. Agarwal.	XVII National Conference of Paediatrics Bangalore-conference attended.
Dr. S. M. Lokeshwar.	XVII National Conference of Paediatric Bangalore-conference attended. Symposium of National Neonatology Forum -Delhi-conference attended.
Dr. R. D. Potdar.	Symposium on parasitic diseases of children at 16th Int. Ped. Congress, Spain-conference attended. Chaired a session at XVIII National Conference of Paediac. Bangalore-conference attended.
Dr. R. K. Anand.	Social Aspects of Child Health Care. Presented at Symposium organised by Dept. of Medical Social Service K. E. M. Hospital. Importance & Physiology of Breast feeding Presented at workshop of Infant Feeding Organised by S. N. D. T. College of Nursing Bombay. Minimal Brain Dysfunction presented as Guest Lecture before the Research Soc. All India Institute for Physical Medicine and Research, Bombay. Communication with Love presented at the workshop on Communication and child/family Welfare organised by Asian Mass Communication Information Centre, Singapore. Infant Feeding from consumers point of view presented at the workshop on 'Infant Nutrition Under changing Socio-Economic condition, organised by Institute of Nutrition University of Osfo.
Dr. R. K. Anand.	Paediatrician and urban Community Health Care presented at the Bombay Medical Congress Annual Conference.
	(9) Skin & V. D. Gonococcal Culture & Antibiotic Sensitivity. Fungus Culture. Studies on Hereditary Sensory Neuropathy. Collagen Diseases-A Therapeutic Assessment.
	(10) Psychiatry.
Dr. P. C. Shastri.	Guidance to Family Practitioners in Bombay for Research work in Psychiatry.
	(11) Microbiology.
Dr. P. K. Murti. Dr. S. Adrianwalla.	Double blind comparative clinical trial of trimethoprim sulphate + amide polymyxin (T. S. P.) Trimithoprim polymixim (T/P) and Chloramphenicol drops in Bacterial conjunctivitis.
Dr. (Mrs.) P. K. Murti. Dr. N. L. Hiranandani.	Chronic otorrhea.

APPENDIX—IX (Contd.)

Doctor	Subject
Mr. M. G. Kulkarni.	.. Antimicrobial sensitivity of N. Gonorrhoeaisolates.
Mrs. S. Deshpande. Dr. Setty.	.. Detailed characterization of Candida albicans isolates from different clinical specimens and antimicrobial studies.
Miss A. Mehendale. Dr. C. R. Shetty.	.. Viagglutinins in Food handlers.
Dr. M. Desai.	.. Comparative study of rapid slide agglutination test as compared with the conventional widal test.
Miss Urmila Shah.	.. Study of pathogenic carrier state and the survey of intestinal parasites in Food handlers in Bombay.
Miss Rashna Mendorwala.	.. Microbiological Quality Control in the Blood Bank. (12) Radiology.
Prof. A. G. Naik.	.. Ultra-Sonography, Obstetric & Gynaec. -150 cases. Percutaneous Trans-hepatic Cholangiography and cannulation for bile drainage with follow-up-50 cases. Contrast Laryngography-25 cases.
Dr. G. R. Jankharia. Prof. A. G. Naik.	.. Hysterosalpingography Trial of Iodophil for Hysterosalpingography-100 cases.
Dr. G. R. Jankharia.	.. Orbital Venography-15 cases.
	(13) Biochemistry :
	Problems completed.
	Lipid studies in nephrotic syndrome.
	Physiological and Biochemical studies of smokers in health and diseases.
	Food proteins as allergens.
	Determination of serum and urinary amino acids in (a) Infective hepatitis (b) Hepatic coma.
	Problem under investigation.
	Biochemical profile in anesthesia during surgery.
	Biochemical studies in Rheumatoid arthritis.
	Problem started in the year 1980.
	Biochemical aspects in contraception.

APPENDIX No. X

CENTRAL LABORATORIES

97156 Investigations carried out in the Central Clinical Laboratory during the year 1980 i. e. (from 1st January 1980 to December 1980) in B. Y. L. Nair Ch. Hospital.

Routine investigations in the Central Laboratory :

Blood count and Hb.	.. 17622	Urine	.. 1386
Stool	.. 8297	Occult Blood.	.. 4407
E. S. R.	.. 5874	Sputum.	.. 4467
C. S. F. Routine.	.. 3736	Pleural Fluid.	.. 947
Ascetic Fluid.	.. 1029	Blood Urea.	.. 3549
Blood Sugar.	.. 4060	Throat Swab.	.. 491
Malarial Parasites.	.. 1761		

Total ... 70103

Collection of Material (Blood) :

Blood Urea.	.. 3131	Blood Sugar.	.. 6370
Blood for P. P. Sugar.	.. 6079	Blood for R. A. Tests.	.. 346
Blood Serum Cholesterol.	.. 891	Blood Uric Acid.	.. 280
Blood Serum Bilirubin.	.. 422	Blood Serum Protein.	.. 485
Blood Serum Calcium.	.. 559	Blood L. F. T. Tests.	.. 440
Blood V. D. R. L. Tests.	.. 2935	Blood A. B. O. Rn. Tests.	.. 1623
Blood Serum Alkaline Phosphates.	.. 433	Blood P. C. V.	.. 244
Blood S. G. O. T. & S. G. P. T.	.. 491	Blood Widal Tests.	.. 600
Blood Serum Creatinine tests.	.. 1214	Blood L. E. Cells.	.. 48
Blood Serum Electrolytes.	.. 462		

Total ... 27053

Grand Total ... 97156

Investigations Department wise.

(1) Department of Pathology

Surgical Histopathology Section :

(1) Surgical tissue received	4,962
(2) Fluids for cytological examination	721
(3) Surgical blocks prepared	7,801
(4) Slides of surgical tissue prepared	12,344

(Details of surgical slides prepared)

(1) Dr. Bhajekar Hospital	70
(2) Kasturba Hospital	15
(3) Tata Hospital	100
(4) Eye Hospital	7
(5) G. E. Department	427
(6) Medicine Department	59
(7) Special Stains	313
(8) Duplicate Slides	318
(9) Practical Class	820
(10) Request from staff	22
(11) Slides for meeting	334
(12) Neurology Dept.	475
(13) Reay Road Mat. Home	25
(14) Kamathipura Hospital	10

Haematology Pathology Department :

Routine investigations in the Haematology Department --

(1) Complete Haemogram	3,761
(2) Hb, Bt, Ct.	2,026
(3) Malarial Parasites	1,480
(4) L. E. Cell phenomenon	343
(5) G. 6 P. D.	17
(6) Micaofiloria	20
(7) Osmotic Fragility	10
(8) Sickle Cell phenomenon	20
(9) Platelet Counts	940

Total .. 8,670

Chemical Pathology.

Blood Sugar	40515	G. T. C.	309
Blood Urea	20370	Creatinine	12623
Uric Acid	1110	Creatinine clearances	27
Fibrinogen	188	Total Protein	5756
Total Albumin	5756	Total Globulin	5756
Alk Phosph	4674	Wanden Bergh	2358
I. Index	2358	Bilirubin total	3013
Bilirubin direct	301	S. G. O. T.	5701
S. G. P. T.	5701	P. T. P. I.	2268
Inorg Phosph	1461	Acid Phosph	389
Serum Amylase	786	Serum Cholesterol	4959
Gastric Analysis	71	C. S. F. Sugar.	2247
C. S. F. Chlorides.	2247	B. S. P.	22
Urobilinogen.	25	Porphobilinogen.	9
Total lipid.	408	Triglycerides.	408
Phospho lipid.	408	S. L. D. H.	530
Serum Sodium.	11727	Serum Potasium.	11727
Serum Chlorides.	11727	Serum Calcium.	1622
Urine Calcium.	43	Urine Proteins.	43
Urine Creatinine.	43	Urine Sodium.	144
Urine Potassium.	144	Urine Chlorides.	144
Sweat Sodium.	5	Sweat Potassium.	5
Sweat Chloride.	5	Blood PH.	290
Blood Po 2.	290	Blood PCO2.	290
V. M. A.	6	Catecholamines.	6
Urine Osmalality.	6	B. J. Proteins.	3

Total .. 173737

P. M. Histopathology Section :-

Investigations carried out in P. M., Histopathology Section during the year 1980:--

Autopsies performed during the year: .. 1089

Post Mortem blocks prepared and cut .. 9004

Details of P. M. Slides prepared--

(1) Special Stains.	..	650
(2) Practical Class	..	440
(3) Duplicate Slides.	..	350
(4) Blocks cut for preparation of good slides for post graduate students.	..	150

(2) Department of Microbiology

Sputum culture	..	1779	Sputum A. F. B.	..	4166
Urine	..	4823	Stool	..	134
CSF	..	2066	Clot culture	..	1975
Blood culture	..	748	Pus/swab	..	1947
Pleural fluid	..	477	Ascitic fluid	..	299
Peritoneal fluid	..	72	Synovial fluid	..	22
Aspiration	..	39	Wound swab	..	41
Ulcer swab	..	17	Bronchial aspiration	..	81
Umbilical swab	..	25	Throat swab	..	117
Nasal swab	..	8	C. V. P. Tube	..	20
Ear swab	..	63	Gastric lavage	..	123
Conjunctival swab, corneal etc.	..	125	Cervical, vaginal, endometrial	..	85
Prostatic material	..	5	Casoni's test	..	21
Dialysis fluid	..	59	Subdural swab	..	11
Bile	..	20	Swab stick	..	3
Rectal swab	..	41	Liver swab	..	22
Drainage tube	..	2	Sterility	..	4
Test valve tube	..	1	Discharge	..	7
Throat swab	..	17			

Total .. 19465**Serology section**

No. of investigations carried out in Serology section during the year 1980 :-

Blood V. D. R. L.	..	16353	C. S. F. V. D. R. L.	..	1328
Blood Widal	..	2081	Blood Weil-felix	..	14
Blood Paul Bunnell	..	20	Blood Formal gel	..	1
Blood RA factor	..	8133	Brucellasis	..	1
ASO Titre	..	220			

Total .. 28151**Food Analysis Scheme :-Blood Widal**

.. 931

Grand Total .. 29082**Food Handler's Scheme :-**

No. of food handler's clinically examined	..	956
No. of stool examinations carried out	..	971
No. of urine examinations carried out	..	959
No. of widal test carried out	..	958
No. of stool culture carried out	..	382
No. of urine culture carried out	..	1

Total .. 4227**Mycology Section :-**

Sputum	..	25	Throat swab	..	5
Stool or Rectal swab	..	2	Urine	..	17
C. S. F.	..	31	Pus swab	..	8
Vaginal swab	..	1	Mouth swab	..	1
Lung swab	..	3	Brain swab	..	1
Ear swab	..	2	Laryngeal swab	..	1
Nasal swab	..	1	Gastric Lavage	..	2
C. V. P. tube	..	..	Corneal swab	..	3
Ulcer swab	..	..	Tongue swab	..	3
Blood culture	..	6	Clot culture	..	1
Tissue	..	6	Skin swab	..	1

Total .. 119**(3) Department of Pharmacology :-**

Investigations done in 1980 :-

Thyroid uptake	..	360	Thyroid scans	..	348
P. B. I. 131	..	250	T3 C. U.	..	530
Thyroxine Assay	..	530	Brain Scans	..	45
Liver scan with RB1131	..	440	T3 Suppression Test	..	3
Total No. of patients attended Radioisotope Unit-Thyroid O.P.D.	..	1360	No. of patients given I131 Therapy	..	2
Perchloride test	..	5	Liver scan with TC99m	..	24
Semen Analysis	..	647			

(4) Haematology Department :-

Total number of investigations carried out in Haematology Department during the year January—December 1980 :-

Total No. of New Cases	408	Complete Haemogram	20000
Haemoglobin	2000	Blood PCV	2000
MCH	2000	WBC (Total)	2000
Peripheral Smear	2000	Blood Reticulocytes	2000
Platelet Count	350	E. S. R.	500
LE Cell	10	Serum Iron	216
Total Iron Binding Capacity	216	Serum Vit. B12	..
Serum Folate	..	Foetal Haemoglobin	70
Foetal Red Cell Staining	70	Fragility	20
H ₂ Electrophoresis	140	Immunoelectrophoresis	..
Sickle Cell Test	70	Bleeding Time	232
Clotting Time	232	Clot Retraction	232
Prothrombin Time	232	Torombin Time	90
Deficiency of Factor II, V, XII & X	..	Thromboplastin Generation Test	45
Factor VII Assay	45	Factor IX Assay	45
Factor XIII Assay	45	Serial Thrombin Time	..
Englobulin Clot Lysis Time	40	Plasma Recalcification Time	90
Partial Thromboplastin Time with Kaolin	232	Fibrinogen	25
Fibrin Monomer	90	Assay of Factor V	..
Platelet Aggregation Test	40	Platelet Factor 3 Availability Test	40
Glutathion (GSH)	15	Glucose-6-Phosphate Dehydrogenase by	..
Pyruvate Kinase Assay	..	Decolourisation Test	30
Glucose-6-Phosphate Dehydrogenase	..	6-Phosphogluconic Dehydrogenase	..
Assay	10	Assay	10
Bone Marrow	187	Bone Marrow Iron Staining	187
Peroxidase Staining	2	Fuelgen Staining	20
Heinz Body Test	..	Unstable Haemoglobin	2
Urine Urobilinogen	20	Hb Spectroscopy	..
S. Lysis	..	P. N. H.	5
Malarial Parasites Positive	..	Coomb's Test	..
Prothrombin Consumption Test	232		

(5) BLOOD BANK :-

(i) Blood collection :- Total—8009.

Voluntary Donors	6435	Replacement Donors	894
Professional Donors (Bled for preparation of Anti-sera.)	3	No. of blood bottles brought from other hospitals	677

(ii) Blood Utilisation :-

Issued to Nair Hospital Patients	..	..	..	..	5352
Transfusion given from used bottles	..	..	..	..	6327
Blood bottles given to other hospitals & Blood Bank	..	..	..	..	1643
Blood bottles sent for plasma processing	..	..	..	..	655
Blood bottles discarded	..	..	..	..	146
Used for Anti-serum	..	..	..	..	3
Donors' blood grouping	..	..	..	..	7771
Patients' (Routine) blood grouping	..	..	..	..	6127
Antenatal blood grouping	..	..	..	..	3391
Corc Blood grouping	..	..	..	..	2943
M. T. P. blood grouping	..	..	..	..	56
Antibody detection	..	..	..	..	158
Coomb's Test	..	..	..	..	186
Cross Matching	..	..	..	..	11179
Blood components therapy	..	..	..	..	305

(iii) Special studies done :-

Neonatal Jaundice Cases Studied	..	..	..	..	138
(a) ABO Incompatibility	..	..	..	..	67
(b) RH Incompatibility	..	..	..	..	71

HBsAg Studies in :

Voluntary Donors and Replacement Donors :		Positive	102
		Negative	7242
		Total	7344

Reagents Prepared :-

(a) Anti B	725 ml.	(b) Anti A+B	Nil.
(c) Anti A	150 ml.		
Antibody Titre Screening done in :			
(a) A Group	802	(b) B Group	818
(c) O Group	1248		
Bacteriological Quality Control :-			
V. D. R. L.	7334		

APPENDIX XI
Programme/Activity Workload Summary.

Serial No.	Name of the activity	Units of measurement	Actuals 79-80	Budget estimates 80-81	Revised estimates 80-81	Budget estimates 81-82
			Rs.	Rs.	Rs.	Rs.
1	General Administration and Supervision.	..	..	..	..	..
2	Medicine Department.	No. of patients.	1,18,923	1,05,892	1,06,804	1,10,000
3	Surgery Department.	No. of patients.	70,810	89,321	71,702	72,000
4	Obst. & Gyn. Department.	No. of patients.	21,136	14,796	22,062	22,500
5	Paediatric Department.	No. of patients.	32,150	29,248	32,280	32,500
6	Premature Baby Ward.	Reflected in Gynaecology Department.				
7	Radiology Department.	No. of X-ray plates.	1,28,474	1,30,000	1,54,176	1,60,000
8	Pathology & Bacteriology Department.	No. of patients.	..	125	..	..
9	Casualty.	Shown under Medicine Department.				
10	Orthopedic Department.	No. of patients.	23,059	28,850	23,280	24,000
11	Aural [E. N. T.] Department.	No. of patients.	21,011	35,480	42,650	23,000
12	Ophthalmic Department.	No. of patients.	14,380	15,201	13,192	13,500
13	Skin & V. D. Department.	No. of patients.	30,922	13,896	32,974	33,000
14	Blood Bank :					
	Blood collected from voluntary donors.	..	6,508 bottles.	8,000 bottles	9,580 bottles.	10,000 bottles.
	Replacement donors.	..	1,792 bottles.	2,000 bottles.	1,318 bottles.	2,000 bottles.
	Professional donors.	..	11 bottles.	25 bottles.	4 bottles.	..
	Total.	..	8,311 bottles.	11,025 bottles.	10,902 bottles.	12,000 bottles.
	Transfusion given to patients.	..	6,351 bottles.	7,500 bottles.	9,282 bottles.	10,000 bottles.
15	Neurology Department.	No. of patients.	718	1,033	676	700
16	Urology Department.	..	..	..	..	..
17	Pharmacy Department :					
	Transfusion bottles.	Bottles.	1,53,809	1,50,000	1,38,298	1,69,000
	Vials.	Vials.	16,372	15,000	15,000	18,700
	Distilled water flasks.	Flasks.	840	..	1,210	1,500
18	Audiology & Speech Therapy Department.	No. of patient.	2,975	1,6000	8,554	8,600
19	Psychiatry Department.	No. of patients.	4,811	5,205	4,713	4,800
20	Biochemistry Department.	..	..	..	..	..
21	Physiotherapy Department.	No. of patients.	10,505	10,750	10,907	11,000
22	Occupational Therapy Department.	No. of patients.	7,758	8,250	7,452	7,500
23	Immunization Centre.	Shown under Medicine Department.				
24	Gastroenterology Dept.	No. of patients.	1,024	1,310	978	1,000
25	Mobile Health Unit.	Department not existing				
26	Dental Clinic.	Department not existing.				
27	T. B. Observation.	No. of patients.	3,421	38,452	2,807	3,000
28	Neurosurgery Department.	No. of patients.	772	842	792	800
29	Plastic Surgery Dept.	No. of patients.	1,031	1,005	1,112	1,200
30	Cardiac [Medicine] Dept.	No. of patients.	1,319	3,602	1,360	1,400
31	Thoracic Surgery Dept.	Shown under Surgery Department.				
32	Pediatric Surgery Dept.	Shown under Surgery Department.				
33	Artificial Kidney Dept.	Shown under Surgery Department.				
34	Diabetic Clinic.	No. of patients.	362	342	295	300
35	Genito Urinary Dept.	No. of patients.	53	Shown under		92
36	Nursing School.	Teaching Student Nurses.				
37	Anesthesiology Dept.	No. of patients.	24,943	25,000	26,893	27,000
38	Intensive Care Unit.	Shown under Medicine Department.				
39	Paediatric Centre at Reay Road.	The Centre is not yet started.				
40	Kamathipura Teaching Centre.	The Centre is not yet started.				
41	Souther Street Centre.	The centre is not yet started.				

**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. 2,89,29,703
	2.	On Out-patients	57,85,940
	3.	Total Expenditure (Excluding New work)	3,46,29,645
	4.	On New works	86,000
(B)	1.	Average cost per In-patient per day	75.42
	2.	Average cost per Out-patient per day	17.99

II.—RESULTS:—**(A)—IN-PATIENTS:—**

1.	Schedule bed strength	984
2.	Daily average In-patients in wards (including Sarvodaya & Raoli Camp Paediatric Wards)	1,066
3.	Admissions including those brought over from previous year and R. C. Paed. Ward.	52,813
4.	Number of patients discharged as	
	(i) Relieved	37,109
	(ii) As Cured	6,304
	(iii) Otherwise	4,425
	(iv) Expired	3,739
	(v) Remained in the Hospital on the last day of the year	1,136
	(vi) Daily average number of admissions	141
	(vii) Average stay of In-patients (Days)	7.5
	(viii) Highest admissions on a single day	206

(B) OUT-PATIENTS:—

1.	New Out-patients attendance including Raoli Camp.	2,97,009	
2.	Daily average number of new Out-patients	977	
3.	Highest O. P. D. attendance on a single day	1,224	
4.	Number of Casualty attendance (Medico-Legal)	26,168	
(C)	1.	Operations on In-patients	17,317
	2.	Operations on Out-patients	29,160

(D) CONFINEMENTS:—

1.	Booked Cases	1,270
2.	Emergency Cases	4,233
3.	Normal	4,907
4.	Abnormal	596
5.	Neonatal and Maternal Deaths	
	(i) Maternal Deaths	23
	(ii) Still Births	252
	(iii) Premature Deaths	77
	(iv) Neonatal Deaths	167

III—SPECIALIZED TREATMENT :—

1. Admissions in Resuscitation Ward	...	...	...	...	2,313
2. Sterilization					
(i) Male	21
(ii) Female	672
(iii) I. U. G. D. Inserted	393

IV—RADIOLOGY :—

1. X-Rays taken	98,846
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V—BLOOD BANK :—

1. Blood samples collected from :—					
(i) Voluntary Donors	4,217
(ii) Relative Donors	1,628
(iii) Other Hospitals...	...	...	...	...	852
2. Bottles supplied	...	...	...	...	6,785

VI—SCHOOL CLINIC :—**(A) Number of School Children treated :—**

1. New Cases	...	...	...	...	1,586
2. Repeat cases	...	...	...	...	14,181
3. Referred cases	...	...	...	...	73

(B) EXPENDITURE ON CLINIC

1,32,764.68

VII—PHYSIO-THERAPY

1. Out-patients treated	...	...	...	...	17,906
2. Number of treatments given	...	...	...	...	1,02,682
3. In-patients treated	...	...	...	...	6,646
4. Number of treatments given	...	...	...	...	90,645

VIII—OCCUPATIONAL THERAPY

1. Out patients treated	...	...	...	...	7,320
2. Number of treatments given	...	...	...	...	28,734
3. In-patients treated	...	...	...	...	7,745
4. Number of treatments given	...	...	...	...	1,05,215

IX—MEDICO SOCIAL SERVICE DEPARTMENT :—**(A) Direct Service :**

Number of cases handled on case work level and other long term cases	6,921
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(B) Medical Aid :

Number of patients given medicines	35,582
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(C) Service to deaf School :

There were 107 children on the roll 33 in Marathi Medium, 10 in Hindi medium 6 in K. G. Class 30 in 1st standard 19 in II standard and 9 were in IV standard.

I—COLLEGE :—**1. ANNUAL EXPENDITURE AND REVENUE :—**

(A) 1. Expenditure including expenditure on hostel	...	...	...	...	69,89,349
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts	...	...	...	...	1,74,834
3. Revenue from post-graduate fees	...	...	...	...	95,615
(B) Income from Hostel	...	...	...	...	18,970
(C) 1. Gross Cost per student	...	...	...	...	9,268
2. Net cost per student	...	...	...	...	8,970

2.—STUDENTS:—

722

1. On roll as on 31st December 1980

2. Number of students classwise

	Male	Female	Total
1st M. B., B. S.	68	42	110
IInd M. B., B. S.	99	50	149
IIInd M. B., B. S.	101	38	139
Post-Graduates on roll as on 31-12-1980	171	88	259
INTERNS:—			
Total No of interns as on 31-12-1980	42	23	65
Total	481	241	722

The Lokmanya Tilak Municipal General Hospital has completed 33 years of its existence rendering medical relief to the sick and injured in this year & the Lokmanya Tilak Municipal Medical College has completed 15 years of imparting medical education to the students.

The local Inquiry Committee of Bombay University has recommended this college for a permanent affiliation. However affiliation by the Govt. of Maharashtra to the University of Bombay is granted upto June 1981. We have already applied to the University for giving permanent affiliation to this college, the report of which is awaited.

The Medical Council of India as well as General Medical Council U. K. has recognised this college for award of M. B., B. S. degree.

Medical Council of India has also recognised this college for postgraduate training in various subjects and we are enrolling students for postgraduate degree/diploma Courses from June 77 onwards.

We have also started enrolling students for postgraduate courses in super specialities viz. Cardiology, Cardio-Thoracic Surgery, Plastic Surgery, Urology and Neuro Surgery from June 80 term.

ADMINISTRATION

Dr. J. V. Bhatt, M. D. held the post of Dean during the year under report.

Dr. (Smt.) H. P. Rebello is continuing as Assistant Dean.

List of Heads of the Departments.

Serial No.	Name	Qualifications	Designation
1	Dr. J. V. Bhatt	M. D.	Dean.
2	Dr. M. B. Kher	M. B. B. S. M. Sc., (Med.)	Prof. of Anatomy.
3	Dr. N. A. Dabholkar.	M. D.	Prof. of Physiology.
4	Shri F. R. Billimoria	M. Sc. (Biochem.) S. Chem. MRFC, FCS. (Royal Inst. of Chem. London.)	Prof. of Biochemistry.
5	Dr. K. P. Deodhar	M. D.	Prof. of Pathology.
6	Dr. (Mrs.) L. P. Deodhar.	M. D.	Prof. of Microbiology.
7	Dr. H. L. Dhar	M. B. B. S., Ph. D.,	Prof. of Pharmacology.
8	Dr. (Mrs.) M. M. Kekre.	M. B. B. S., D. P. S.	Prof. of P.S.M. (up to 30-12-80)
9	Dr. (Mrs.) S. P. Cuchelker	M. D.	Prof. of forensic Medicine
10	Dr. M. V. Divekar	M. D.	Prof. of Medicine.
11	Dr. M. J. Gandhi	M. D.	Hon. Prof. of Cardiology.
12	Dr. S. V. Nadkarni	M. S.	Prof. of Surgery.
13	Dr. A. P. Chaukar	M. S.	Prof. of Cardio-Thoracic-Surgery.
14	Dr. B. J. Damany	M. S.	Hon. Prof. of Neuro-Surgery.
15	Dr. A. D. Dias	M. S.	Hon. Prof. of Plastic Surgery.
16	Dr. S. D. Bapat	M. S.	Hon. Prof. of Urology.
17	Dr. (Mrs.) P. R. Vaidya	M. D.	Prof. of Obst. & Gyn.
18	Dr. V. B. Athavale	M. D.	Hon. Prof. of Paed.
19	Dr. V. R. Mehta.	M.B.B.S. DVD.	Hon. Prof. of Dermatology & Venereology
20	Dr. (Mrs.) D. A. D'Souza.	M.B.B.S. DPM.	Hon. Prof. of Psychiatry.
21	Dr. M. D. Pandit.	M.S.	Hon. Prof. of Orthopaedics.
22	Dr. K. C. Gadre.	M.S.	Hon. Prof. of ENT.
23	Dr. S. M. Sathe.	M.S.	Hon. Prof. of Ophthalmology.
24	Dr. S. S. Mehta.	M.D.	Prof. of Anaesthesiology.
25	Dr. B. R. Rao	B.D.S.	Hon. Prof. of Dental Surgery.

Admissions :—The admission capacity of students admitted for M. B. B. S. course at this institution has been increased from 60 to 100 from June 80 with the approval of the Medical Council of India. The Number of students on roll as on 31st December 1980 was 453 and that of post graduate students was 259.

D. M. L. T. Course is being conducted at this institution with intake capacity of 10 students. We are enrolling students for M. Sc. course in following subjects in June term every year.

- | | |
|--|----------------------|
| (1) M. Sc. (Biochemistry) by papers | 10 students per year |
| (2) M. Sc. (Biochemistry) by Research | 5 students per year |
| (3) M. Sc. (Microbiology) by Research | 5 students per year |
| (4) M. Sc. (Animal Physiology) by Research | 5 students per year |
| (5) M. Sc. (Occupational Therapy) | 5 students per year |

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.

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 40 per year. From June 80 term, these interns are charged Rs. 100 for 3 months of training.

Results of undergraduate and postgraduate students, the prizes won by the students and those who stood first in the examination are shown in the Appendix I A & I B and VII respectively.

We are conducting Competitive Examinations in the subjects of Anatomy, Physiology, Pharmacology, P. S. M., Medicine, Surgery and Obst. and Gynaec every year for the students I, II, & III M. B. B. S. The names of the students who have won the prizes in Competitive examinations are shown in Appendix VII. These prizes are given from the L. T. M. G. Hospital Silver Jubilee Fund.

Two prizes have been instituted for III M. B. B. S. students and postgraduate students in Surgery from the Donation of relatives in the memory of late Hemant Kelkar a student of this college.

- (1) Baba Amte Prize of Rs. 50 and
- (2) Dr. (Smt.) Gopa Kothari's Prize of Rs. 100 will be awarded to II M. B. B. S. students standing first in P. S. M. subject.
- (3) Watumull Foundation (India) have donated a sum of Rs. 1,000 for year 80-81 for Merit awards to L. T. M. M. College students.

A separate committee of students manages the students' Cultural and sports activities. The report of the performance of the year submitted by the Hon. General Secretary covers the Gymkhana activities. To defray this expenditure, fee of Rs. 50 per annum is being collected from the students and Interns.

Research Society :—The Research Society is functioning in this institution since August 66. It is registered under the Societies Registration Act and Public Trust Act. It is also exempted from paying Income Tax. Medical Officers working in this institution including Hon. Prof., Asstt. Hon. Prof. and full time medical officers upto the level of tutors and Demonstrators are the members of the Society. Annual Subscriptions for each member is Rs. 25. Total No. of membership as on 31st December 80 is 239.

Hostel :—Boys and girls are given accommodation in two separate hostels. About 100 students are accommodated in these hostels. There are only boarding facilities in the hostel and for that an amount of Rs. 70 per term is recovered from the students.

As the admission capacity of the college has been increased from 60 to 100, it is proposed to construct 12 storied building for hostel instead of 9 storied. The plans are already ready and the tenders will be invited somewhere in June 81.

Library :—During the year, 980 books have been added to the collection totalling to 12781 books. The library has subscribed to 311 Titles of Journals.

From the L. T. M. M. College, the Budget Grant sanctioned for Library is Rs. 1,78,000 and that from L. T. M. G. Hospital is Rs. 2,00,000.

Annual Cost and Revenue : The total expenditure of College amounted to Rs. 13,38,573 during the year excluding establishment cost as against Rs. 12,61,291 during the previous year. The net revenue of the College by way of tuition fees and miscellaneous receipts etc. amounted to Rs. 2,10,445 as against Rs. 2,36,298 for the previous year.

New Department :—Endocrinology OPD has been started from 25th July 1980.

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 695 calls and 2313 patients have been admitted in the emergency ward.

In-Patients :—The Schedule bed strength of this Hospital is 984. The distribution of beds according to the Departments is shown in Appendix III. 51705 patients were admitted for Indoor treatment during the year as against 51090, 51463 and 49734 during the preceding 3 years respectively.

Paying Patients :—Under the Scheme which is effective from 1931, 995 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 297009 new patients. The highest in-patients and out-patients attendance (Only new attendance) on a single day was 206 and 1224 respectively.

Afternoon Out-patient Department ; There are 4 Out-patient Department viz; Medical, Surgical, Orthopaedics and Paediatrics running in afternoon. During the year, 29737 patients were treated in these departments.

MEDICO LEGAL CASES :

Casualty Department :—26,168 accidental and other emergency cases were treated in this Department.

Medico-Legal Cases :—During the year the Resident Medical Officers attended various courts for giving evidences in 476 Medico-Legal cases. 1891 injury certificates were issued to the various Police Stations free of charge.

Certificates : 9,238 Certificates of different types were issued to the patients during the year under report.

Minor Surgery Department :—29,160 minor Operations were performed in the department during the year.

Pathology Department :—4,22,014 investigations were carried out and 1,111 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 Hospital (East & West).
- (4) Bhandup Maternity, Hospital.
- (5) Chaunabhatti Maternity Hospital.
- (6) Raoli Camp Hospital.

Anaesthesia Department : During the year, 17,576 patients have received anaesthesia in various theatres and minor surgery department.

2,313 patients were kept in recovery room and Out of these 186 patients were required to be treated with respirators.

Medical Health Check-up Centre :—The health of a person in apparent good health is checked up and all routine examinations such as blood, Urine, Stool Screening etc., are carried out if required. During the year under report 310 persons have taken advantage of the service.

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 :—

(1) No. of patients	46,776	(4) Carotoid Angiogram	...	123	
(2) No. of X-Rays	...	98,846	(5) Special investigations	...	945
(3) No. of Ba-meal, Ba-swallow & Ba-enema.	941	(6) Other Misc. investigations	44,767		

Dental Department :—13,449 patients were treated for various tooth troubles.

Anti-Rabic Department :—23,447 Patients were treated, both new and repeat.

Blood Bank :—The total number of Blood samples collected from relative donors was 1628 and that from voluntary donors was 4217. The total number of blood samples supplied for transfusion during the year was 6,785.

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	24,552	1,93,327
2	Occupational Therapy	15,065	1,33,949

Audiology and Speech Therapy Department:—During the year 1,530 patients have taken advantage of services of the department.

Hand Injury Follow up clinic:—225 Cases were registered during the year.

Family Welfare Centre: A Family Welfare Centre is run for the benefit of patients attending the hospital. The work done is as follows:—

(1) Vasectomy Operations performed	...	...	...	...	21
(2) Sterilization Operations performed	...	...	...	...	672
(3) Loops Inserted	...	...	...	...	308
(4) Patients given oral pills	...	...	...	...	253
(5) Patients given condoms.	...	...	...	...	6510

School Clinic Department:—1516 New and 14,121 old cases from 18 different Municipal Schools from the suburbs and 38 from City and 70 New and 60 old cases from 4 different secondary school were treated during the year. 46 Tonsils operations were performed on School Children, 83 Old primary and 33 old Secondary OPD Cases were treated on Saturdays and Holidays during the year.

MEDICO SOCIAL SERVICE DEPARTMENT

Direct Services :—

Long Term Cases :—

	No. of cases
(1) Cases suffering from T. B.	1451
(2) Orthopaedically handicapped	511
(3) Cases of unmarried mothers, adoption and family counselling	150
(4) Cases of psychiatric disorders—	
(i) Adult	1789
(ii) Children	2277
(5) Cases of chronic illnesses like diabetes etc., for counselling and rehabilitation.	486

Short Term Cases :—

(1) Discharge problem cases	97
(2) Cases in need of appliances like clutches, calipers, surgical shoes, drugs etc., and health counselling	532
(3) Replacement of Blood	1628

Medical aid and Blood collection :—

(1) No. of times patients given medicine at OPD level	35582
(2) No. of blood donation camps organised	70
(3) No. of blood bottles collected	6697

Projects for Outdoor Patients :—

(1) **High Protein Powder:**—100 malnourished cases were given high protein products. Group talks on diet, child care etc., were also given and follow up of these cases were also maintained.

(2) **Grain Project:**—50 deserving families were given grain aid with the help of Vishwa Hindu Parishad. The VHP gave aid of 10 kgs. of rice and wheat per month and their volunteers managed the project.

(3) **Spectacles project:**—400 deserving cases were given spectacles with the help of Lions Club of Sion.

Project for Indoor Patients :—

(1) **Toy Banks** are being run with the help of All India Women's Conference Sion, Wadala Branch, for the children admitted in orthopaedic, Surgical and other wards. Volunteers help in managing the toy banks. This project has expanded this year. One bank is run near the paid ward and another is run for the admitted children in the paediatric surgical ward.

(2) **Circulating Library:**—This project has been also expanded this year. One section of the Library is meant for the Children and one is for the adult. Vishwa Hindu Parishad and Sarvodaya Mitra Mandal have contributed greatly for the expansion of the project.

Therapeutic Level :—

- (1) Paraplegics and their wives
- (2) Alcoholics and their relatives
- (3) Parents of the mentally retarded
- (4) Parents of the deaf children.

Educational Level :—

- (1) Diabetics and their relatives
- (2) Cases of Scabies
- (3) Cases of tuberculosis and their relatives
- (4) Mothers attending neo-natal clinics.

Teaching Supervision and field instructions :—

Lectures were given to nursing students, students social workers, N. S. S. volunteers and others. This year, a full course of 25 lectures as per the syllabus was devised and given to the nursing students. During this year, 13 student social workers were placed for their field work experience under the expert's supervision of the social workers. These students were from both the training Institutions, Institute of Social Work and Tata Institute of Social Sciences.

40 N. S. S. Volunteers were placed from various arts, science and commerce colleges in Bombay. They worked in various Health projects conducted by the Social Work Department.

Preventive and Social Medicine Department.

I:—Training.—The department imparted training to undergraduates, interns, post-graduates and Nurses as well.

II:—Health Supervision of School Children:—Medical inspection of school children of 10 schools belonging to standard I and III at Dharavi was carried out. 1278 children were examined during the year 1980. 883 children were referred to L. T. M. G. Hospital and were treated. 4028 children belonging to I, II, III, IV, and V standard were immunised with TABC and 1595 children belonging to I, III and IV standard were given D. T. Vaccine.

III—Social Services :—**Community Visits—**

(1) Matunga Labour Camp	25
(2) Shahu Nagar	138
(3) Lal Donger	18
(4) Dharavi	197
(5) Raoli Camp	33
(6) Health talks	185

Apart from these routine visits, the following help was given to the patients and families from the community and special activities were arranged.

(1) Weekly distribution of nutrient supplements for children	1320
(2) Weekly distribution of nutrient supplements for pregnant and lactating mothers.	180
(3) Supplementary income scheme soap making demonstration	4

This year, special emphasis was put on Nutrition and early detection of illness. In this context we arranged four demonstrations on identification of food adulterants and 48 demonstrations on Nutrition, Balanced diet for adults and children.

Health exhibition was organised for School Children and other people from community.

Films were shown on early detection of Tuberculosis, child care and family planning.

Groups of women were taken out for health exhibitions and to the places of public health interest like School for Blind, School for Children in need of a special care and leprosy home.

To ensure participation of teenager and women in various activities, picnics and magic shows were organised.

IV.—Under Five Clinics :—

Community Groups	New Enrollment	Revisits
(1) C. W. Centre Infants L. T. M. G. Hospital	} 4812	15052
(2) C. W. Centre Infants Raoli Camp Toddler		
(3) Shahu Nagar Infants and M. L. Camp Toddler		

Immunisation was carried out at these clinics. The Immunisation records for 1980 is as follows :—

Community	Polio	Triple	T.T.
(1) C. W. C. L.T.M.G. Hospital	} 2356	1923	27
(2) C. W. C. Raoli Camp			
(3) Shahu Nagar and M. L. Camp			

587 children were given Oral Injection of Vit. A and 561 children were given Injection of Vitamine—D.

V.—Antenatal Clinic :—

291 Women enrolled at the clinic. The clinic was conducted once a week. The women were given tetanus toxoid. Health talks were given to this group. The record for 1980 is as follows :—

New Enrollment	Attendance	Tetanus Toxid		
		I	II	III
291	333	175	77	59

VI.—Mobile Medical Relief to Slum Communities :—

The Medical relief is carried out with the help of the van donated by B. P. C. C. to this institution. Five communities were taken up in this project—12751 patients were treated during the year 1980.

Immunization was also carried out. The immunization records for 1980 is as follows :—

Total Number of patients immunization	Polio	Triplo	T.T.
	1601	1591	336

VII.—Special Activities :—

- (1) Community Health Workers Scheme :—The workers are trained from point of view of Primary Health Care in Dharavi Slums.
- (2) Health Education Exhibition : Health education exhibition was organised in Dharavi Slum Community.
- (3) World Health Day Celebrations : A special exhibition and health talks were organised on hazards of smoking.

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 on telephone call, the Flying Maternity squad reaches there within a minimum time and provides the necessary assistance. During the year, the squad attended 19 such calls.

Dispensary :—The work carried out in the Dispensary is as follows :—

Out Patients	}	46,136
In Patients		
Special Prescriptions		
M. S. W.		
School clinic		

Department of Pharmacy :—Sterile and non-sterile preparation were manufactured in pharmacy department.

Sterile Preparations :—Different types of I. V. Fluids in bottles and various sizes of vials were manufactured according to the requirements of the hospital which numbered about one lakh in the year. About 350 transfusion sets per day were prepared, sterilized & supplied in dressing drums to entire hospital. Apart from central sterile supply to the operation theatre, sterilization work for all wards O. P. D.'s etc., was undertaken ranging between about 100-120 drums Per day.

Non sterile preparations :—Liquid, enema soap and different concentration of osetovalon were supplied to the entire hospital.

Number of new preparations were experimented like acids solutions for B. N. T., Methyl cellulose flurail and flurain strips for Ophthalmic Department, silver sulphamamide for Surgical Department, Calcium E.D.T.A., for medical department etc.

Nurses Training School :—During the year, 73 student nurses were admitted for training in the General Nursing and 40 students nurses for midwifery. 94 and 40 student nurses were sent for general nursing and midwifery examinations respectively, out of whom 63 general nursing and 40 midwifery students have passed.

Ambulance services :—Round the clock ambulance service is maintained.

Poor Box Charity Fund :—The amount in the poor Box Charity Fund as on 31st March, 1980 stood at Rs. 90,661.88. Collection from the Boxes, donations and other miscellaneous receipts during the year amounted to Rs. 2,82,341.27 and expenditure through the Poor Box Charity Fund was Rs. 1,49,009.22. The total amount in the fund as on 31st March 1981 stood at Rs. 1,23,993.93.

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 has been started at this hospital through L. T. Medical College and Hospital Consumers Co-operative Society from the year 1976.

DR. B. R. KALKE,

Dean;

L. T.M.G. Hospital, Sten, Bombay.

APPENDIX No. I-A.

Results of the Examinations for the Year 1980-81.

Period	Examination	Appeared	Passed	% of passing	Name of student stood first	Total Marks.
April 1980	I M.B.B.S.	27	18	86.3%	Smt. Watwe Medha M.	525/800
	II M.B.B.S.	51	42	82.4%	Smt. Kapur Monita S.	557/800
	III M.B.B.S.	30	12	40%	Shri Unadkar R.J.	591/1000
October 1980	I M.B.B.S.	67	56	85%	Shri Damle Anil V.	610/800
	II M.B.B.S.	69	60	87%	Miss Ambegaonkar U. A.	560/800
	III M.B.B.S.	80	60	75%	Miss Subramaniam Shobha	682/1000

APPENDIX No. I-B.

Results of Post Graduate Examinations for the year 1980-81.

Examination	APRIL 1980		OCTOBER 1980		
	Appeared	Passed	Appeared	Passed	
M. D. Medicine	..	2	..	8	5
M. D. Paediatrics	..	3	..	3	3
M. D. Anaesthesia	..	3	..	4	3
M. D. Pathology	..	1	..	1	..
M. D. Gynaec & Obst.	5	5
M. D. P. S. M.	1	..
M. S. General Surgery	..	2	..	7	4
D. P. H. I.	..	5	..	4	2
D. P. H. II	..	3	..	1	1
D. M. R. D. I	..	3	..	6	2
D. M. R. D. II	..	2	..	4	3
D. A.	..	7	..	7	4
M. Sc. I	..	11	..	10	..
M. Sc. II	..	4	..	4	..
D. M. L. T.	..	9	..	9	..
D. V. D.	2	1
D. P. M. I	2	2
D. P. M. II	1	..

APPENDIX—II.

Papers Read and Published.

Department of Medicine.	Dr. Divekar	(i) "Glyclazide" paper read at A. P. I. Conference on 23-1-1980 at Trivandrum and At A. P. I. Bombay Branch, 30th March, 1980.
		(ii) "Yoga as exercise in diabetes" read at International Conference on 'Diabetes and Exercise' held at Athens on 21st September 1980.
		(iii) "Oral sulphonylurea—New concept" paper read before Bombay Medical Congress on 21st December 1980.
	Dr. J. M. Deshmukh	(iv) "Clinical trials of glyclazide" read before L.T.M.M. Staff and Research Society in December 1980.
	Dr. Nanivadekar	(i) "Effect of Proto-Systemic Shunting on First-Pass Metabolism of drugs", read at 22nd Annual Conference of Indian Society of Gastroenterology, Calcutta in September 1980.
		(ii) "Alcoholic liver diseases" read at Trivandrum at 36th Annual Conference of A. P. I. in January 1980.

APPENDIX—II. (Contd).

Papers Read and Published.

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|---------------------------|---|---|
| Department of Surgery. | Dr. S. V. Nadkarni | (i) "Role of Pharyngeal suction entirely new approach to head injuries read at all India Surgeons conference at Calcutta and Maharashtra Medical Conference at Sangli. |
| | Dr. Changalani | (ii) "Hydatid diseases of Kidney read at All India Urology Conference at Agra. |
| | Dr. M. V. Bhatt | (iii) "Trauma in Children" read at world Cong. Paed. Surgeon at Bombay. |
| Department of Paediatrics | Dr. V. B. Athavale
Dr. A. Fernandes
Dr. Francisca Tavares
Dr. A. Fernandes
Dr. N. Munshi
Dr. J. Shah
Dr. V. B. Athavale
Dr. V. B. Athavale | (i) "Asthma in Children."

(ii) "Changing Trends in Breast feeding."

Papers from Nos. 1&2 are published in Paediatric Clinics of India, Vol. 14, Nos. 4, Oct. 1980.
(iii) "Prameha & Madhumeha" published in Paediatric Clinics of India, Vol. 15 No. 3, July 1980.
(iv) "Basic Principles of Ayurveda" Published a book in the year 1980. |
| | Dr. M. N. Mehta
Dr. A. Kamat
Dr. M. R. Lokeshwar | (v) "Neonatal Anemias as seen in an Intensive Paediatric Care Unit". Paper presented at the National Joint Annual Haematology Conference at Bombay on December 5th, 6th and 7th, 1980. |
| | Dr. Leena Deodhar
Dr. H. V. Ganla
Dr. M. N. Mehta | (vi) "Neonatal Septicemia-A Clinical Bacteriological Study" Published in Paediatric Clinics of India, Vol. 15, No. 2, April 1980 at pages 15, 16. |
| | Dr. A. Fernandes
Dr. Francisca Tavares
Dr. V. B. Athavale | (vii) "Asthma in Children. |
| Department of Paediatrics | Dr. A. Fernandes
Dr. N. Munshi
Dr. J. Shah
Dr. V. B. Athavale | (vii) Changing Trends in Breast feeding.

Papers Nos. 7 & 8 published in Paediatric Clinics of India, Vol. 15 No. 4, Oct. 1980. |
| | D. A. Fernandes
D. N. Munshi
Dr. N. Dhawan
Dr. V. B. Athavale | (ix) "Asphyxia in Newborn" published in Paediatric Clinics of India Vol. 15, No. 4, Oct. 1980. |
| | Dr. Anju Dhar
Dr. A. K. Vaidya
Dr. A. Fernandes
Dr. Lina Deodhar | (x) "Outbreak of Infantile Diarrhoea in Neonatal Ward due to E. Coli Serotype 128" published in Paediatric Clinics of India Vol. 15, No. 4, October 1980. |
| | Dr. A. Fernandes
Dr. Nirupa N. Munshi
Dr. J. Shah
Dr. V. B. Athavale | (xi) "Changing Trends in Breast feeding". published in paediatric Clinics of India Vol. 15, No. 4, Oct. 1980. |
| | Dr. M. R. Lokeshwar
Dr. M. N. Mehta
Dr. A. Kamat | (xii) "Neonatal Anemias as seen in an Intensive Paediatric Care Unit". paper present, d at the National joint Anual Haematology Conference at Bombay on December 5th, 6th and 7th, 1980. |
| | Dr. A. Fernandes
Dr. N. Munshi
Dr. N. Dhawan
Dr. V. B. Athavale | (xiii) "Asphyxia in Newborns." |
| | Dr. A. Fernandes
Dr. N. Munshi
Dr. J. Shah & Dr. Y. T. Oke
Dr. V. B. Athavale | (xiv) "Changing trends in breast feeding". |
| | Dr. Vilkhosingh
Dr. V. B. Athavale
Dr. A. Fernandes. | (xv) "D. I. C. in Newborns."
papers 13 to 15 read at the xviith paediatric National Conferences at Bangalore in Jan, 1980, |
| | Dr. Meenakshi N. Mehta
Dr. M. R. Lokeshwar
Dr. P. S. Moralwar
Dr. T. T. Patil | (xvi) "Midarm/Head Circumference-A simple method for the Nutritional Assessment of Neonates in the Community."
Paper presented at the 13th Annual Meeting of the Nutrition Society of India-Hyderabad 23rd, 24th Feb. 1980. |

APPENDIX—II. (Contd.)

Papers Read and Published.

- | | | |
|----------------------------|---|---|
| | Dr. Meenakshi N. Mehta
Dr. Rita S. Mehta
Dr. Sunanda Damle | (xvii) "The Challenge of childhood Tuberculosis-Problems of follow up." |
| | Dr. Nirupa N. Munshi
Dr. Meenakshi N. Mehta | (xviii) "Exchange transfusion in referred babies with Neonatal Jaundice". Accepted for publication in the Indian Journal of Child Health. |
| | Dr. Rita S. Mehta
Dr. Peter A. D'souza
Dr. Meenakshi N. Mehta | (xix) "Sociobiological Determinants of childhood morbidity." |
| | Dr. Dhun S. Patel
Dr. Meenakshi N. Mehta | (xx) "The Role of Oral Dehydration in Management fo acute Gastro enterities in Children." Accepted for publication in the journal of Tropical Paediatrics and Environmental child health, U.K. |
| | Dr. Meenakshi N. Mehta
Dr. P.S. Moralwar
Dr. T. T. Patil | (xxi) "Nutritional Assessment of the Newborn by Midarm Circumference/Head circumference Ratio." |
| | Dr. Meenakshi N. Mehta
Dr. M. R. Lokeshwar | (xxii) "Disseminated Intravascular Co-agulation in children." Papers Nos. from 16 to 22 presented at the XVI National conference of India Academy of Paediatrics 28th to 2nd March 1980 at Bangalore. |
| Department of Dermatology. | Dr. V. R. Mehta | (i) "Reiter's disease and Generalised ostraceous psoriasis" Read. at 4th Regional conference-Penang-Malaysi." |
| | Dr. R. G. Valia | (ii) A Profile of a female S.T.D. patient of Bombay Read at annual Conference of I. A. D. V. L. at Indore. |
| | Dr. V. R. Mehta & Dr. N. M. Lala | (iii) "Spherocytosis and varicose veins" Read at monthly meeting of I.A.D.V.L. |
| | Dr. R. G. Valia & Dr. Y. M. Shah | (iv) "Keratosis Pilaris Atrophicans Polymastia." read as monthly meeting of I.A.D.V.L. |
| | Dr. V. R. Mehta & Dr. R. V. Ranade | (v) "Erythrokeratoderma variabilis encocarde." Read as monthly meeting of I.A.D.V.L. |
| | Dr. V. R. Mehta & Dr. Hema Jerajani | (vi) "Careinous haemangioma Parapsoriasis en-plaque." read at monthly meeting of IA.D.V.L. |
| | Dr. V. R. Mehta & Dr. Vivek Agnihotri | (vii) Cutis verticesgyrata with WPW Syndrome. |
| Department of Gyn. & Obst. | Dr. P. R. Vaidya
Dr. G. S. Rao
Dr. Ambiyee R. | (1) Amnioscopy & placental function test". presented in 2nd Asian Congress on Endoscopy in Bombay Feb. 1980. |
| | Dr. Badhwar V. R.
Dr. Vijaya U. | (2) "Perinatal Mortality in primiwith breech presentation. 5 years study". presented in 8th Annual conference of the Bombay Obst. & Gyn. society in Bombay, June 1980. |
| | Dr. Upodhyay
Dr. Patkar V. D.
Dr. Vaidya P. R. | (3) "Primi with breech presentation". presented at 8th Annual conference of Bombay Obst. & Gyn. society, in Bombay June 1980. |
| | Dr. Prabhu
Dr. Vaidya P. R. | (4) "A review on MTP with sterilisation presented at 8th Annual conference of Bombay Obst. & Gyn. society, in Bombay June 1980. |
| | Dr. Ambiyee R.
Vaidya P. R. | (5) "L.S.C.S. in breech" presented at 8th Annual conference of Bombay Obst. & Gyn. society, in Bombay June 1980. |
| | Dr. Badhwar V. R.
Dr. Randive | (6) "Conception following Amputation of cervix." presented at 8th Annual conference of Bombay Obst. & Gyn. society, in Bombay June 1980. |
| | Dr. Vijaya U.
Dr. Badhwar V. R. | (7) "Perinatal Mortality 2 years study". presented at IIIrd Internatinal conference on Perinatal and Maternal Mortality in Delhi, October 1980. |
| | Dr. P. R. Vaidya
Dr. Patkar V. D.
Dr. P. R. Vaidya | (8) "Maternal Mortality 10 years study". presented at 3rd International conference on Perinatal and Maternal Mortality in Delhi, Oct. 1980. |
| | Dr. Prabhu
Dr. Patkar V. D.
P. R. Vaidya | (9) Maternal Mortality in Eclampsia" presented at 3rd International conference on Perinatal and Maternal Mortality, in Delhi, Oct. 1980. |
| | Dr. Ambiyae
P. R. Vaidya | (10) "Haemorrhage as a cause of Maternal Mortality presented at 3rd International Conference on perinatal and Maternal Mortality in Delhi, Oct. 1980. |

APPENDIX—II. (Contd.)

Papers Read and Published.

- Dr. Upadhyaya
Dr. Patil
Dr. Bhagwat
- (11) "Suppression of lactation using Pyridoxine"- a comparative study. presented at First National congress in Hormones and Human Reproduction in Bombay, November 1980.
- Dr. Patil
Dr. Bhagwat.
- (12) "A review of Post ectopic at fertility." presented at first National Congress in Hormones and Human Reproduction.
- Dr. P. R. Vaidya
Dr. G. S. Rao
- (13) "Hormonal cytology in threatened abortion" presented at first National Congress in Hormones and Human Reproduction, in Bombay, November 1980.
- Dr. Ambiyee
Dr. P. R. Vaidya
- (14) "Cervical Mucous furning easy and reliable test of placental dysfunction" First National Congress in Hormones and Human Reproduction, in Bombay, November 1980.
- Dr. Ambiya V. R.
Dr. Vaidya P. R.
Dr. Rao G. S.
- (15) "Geratric Gynaecology". Journal of Gyn. & Obst. of India.
- Dr. Vaidya P. R.,
Dr. Rao G. S.
Dr. Ambiya V. R.
- (16) "Amnioscopy & Placental function tests". journal of Gyn. & Obst of India.
- Dr. Vaidya P. R.
Dr. Rao G. S.
- (17) "Toxaemia of Pregnancy multi-disciplinary approach". Journal of Gyn. & Obst. of India.
- Dr. V. R. Badhwar
Dr. S. J. Randive
- (18) "Conception following amputation of Cervix" Journal of Gyn. & Obst. of India.
- Dr. V. R. Badhwar
Dr. G. S. Rao
Dr. P. R. Vaidya
- (19) "Surgical emergencies in Obstetrics". Journal of Gyn. & Obst. of India.
- Dr. V. D. Patkar
Dr. A. N. Prabhu
Dr. K. Bhat
Dr. S. Upadhyay
- (20) Rupture uterus and Bladder with Escape of Foetus in the Bladder." a case report Journal of Gyn. & Obst. of India.
- Dr. A. N. Prabhu
Dr. Vijaya U.
Dr. V. D. Patkar
- (21) "Corpus Lutpum Haematoma"—a case Report Journal of Gyn. & Obst. of India.
- Dr. S. Upadhyaya
Dr. Vijaya U.
Dr. V. D. Patkar
- (22) "Haemoperitoneum following repture of superficial Fibroid vein". Journal of Gyn. and Obst. of India.
- Dr. A. N. Prabhu
Dr. V. D. Patkar
Dr. P. R. Vaidya
- (23) "Maternal Mortality Associated with Abortion" Journal Gyn. and Obst. of India.
- Dr. P. R. Vaidya
Dr. V. D. Patkar
- (24) Maternal Mortality a 10 years survey at L. T.M.G. Hospital, Bombay, Journal of Gyn. and Obst. of India.
- Dr. C. P. Shroff
Dr. S. D. Deodhar
Dr. J. H. Fonseca
Dr. V. D. Patkar.
- (25) "Tubo ovarian Actinomycosis". Journal of Gyn. & Obst. of India.
- Dr. P. R. Vaidya
Dr. C. B. Shroff
Dr. V. P. Pathkar
Dr. V. D. Patkar
- (26) "Pathological changes in Eclampsia" accepted for Publication in Journal Gyn. & Obst. of India.
- Dr. A. N. Prabhu
Dr. P. R. Vaidya
- (27) "Clinical Review on Maternal Mortality in Eclampsia" presented in 3rd International conference of maternal and perinatal mortality,
- Dr. V. R. Badhwar
Dr. Vijaya U.
Dr. Vaidya P. R.
- (28) "Perinatal Mortality 2 years study." Published in Journal on 3rd international conference of maternal and perinatal mortality.
- Department of Anaesthesiology.
- Dr. S. S. Mehta
- (1) "Further experience of treatment of morbund patients by I.P.P.R." read at 29th Annual conference of India Society of Anaesthetists held at Hyderabad in December 1980.
- Dr. S. H. Pantvaidya
- (2) "Management of Emphyema thoracis" read at annual conference of Association of surgeons of India held at Culcutta in December 1980.
- Department of Pharmacology
- Dr. H. L. Dhar
- (1) "Effect of dexamaothasone and disoidum cromoglycate on anaphylactic release and total content of histamine and 5HT from sensitised guineapig tissues". Ind J. Mod. Research Vol. 71, No. 3, March 1980.
- (2) "Effect of Tromaril on platelet function and blood coagulation" Ind. J. Med. Research Vol 71, No. 3, March 1980.

APPENDIX—II. (Contd.)

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| | | (3) "Species variation in platelet function and blood coagulation" Ind. J. Med. Research Vol. 71 No. 3, March 1980. |
| | | (4) "Role of Taurine in calcium activated contractions" Ind. J. Expt. Biol. Vol. 18, December 1980. |
| | | (5) "Mechanism of antigenicity of cephalosporin Abstract" 14th Annual Convention Ind. College of Allergy and Appl. Immunol Sept. 80. |
| | | (6) Role of histamine in Tropical pulmonary eosinophilia Abstract Symposium on Clin. Pharmacology of Tropical diseases. Oct. 1980. |
| | | (7) "Experimental studies on antigenicity of cephaloridine its cross antigenicity with penicillin." Abstract XIII Annual Conf. Indian Pharmacological Society Oct. 1980. |
| | | (8) "Effect of bilateral adrenalectomy on carbon tetrachloride induced changes in level of catecholamine." Presented at National Conference of Association of Physiologists and Pharmacologists of India, Bombay, Dec. 1980. |
| | | (9) "Effect of Tripp's vaccine on blood sugar in Children." Presented at Regional Conference of Pharmacologists of Maharashtra, August 1980. |
| Department of Physiology. | Dr. N. A. Dabholkar | (1) "Evolutionary significance of human central nervous system" A new concept presented at 26th annual conference of A.P.P.I. |
| | Dr. Moorthy | (2) "Effect of scorpion venom on the cardiac scored ATPase activity, presented at 26th Annual conference of A.P.P.I. |
| | Dr. (Smt.) Bala | (3) Effect of scorpion on tissue glycogen in various chambers of heart and liver. presented at 26th annual conference of A.P.P.I. |
| | Dr. Subramaniam | |
| | Dr. Moorthy | |
| Department of C. V. T. S. | Dr. A. P. Chaukar | (1) "A cyanotic adult with triple valvar stenosis" Read in joint session of cardiologists and Thoracic surgeons of India. |
| | Dr. A. M. Patwardhan | (2) "Management of Cyanotic babies below 10kg. weight" Read in Joint session of cardiologists and thoracic surgeon of India. |
| | Dr. C. Padmanabhan | (3) "Closed Mitral commissurotomy" An objective evaluation. Read in joint session of cardiologists Thoracic surgeons of India. |
| RESEARCH | | |
| Department of Medicine | Dr. M. V. Divakar | (1) Antipyrin studies in liver cirrhosis/benign tumors before and after therapy. |
| | | (2) Endoscopic and histological Correlation in patients of gastritis. |
| | | (3) Value of endoscopic injection sclerotherapy of patients of oesophageal varices. |
| | Dr. A. G. Gore | (4) Study of Lipid profile in young patients with Myocardial infarction with its Correlation to findings on clinical ECG and Coronary angiographic evaluation. |
| | | (5) Study of lipid profile patients with chronic renal failure. |
| | Dr. H. C. Merchant | (6) Allergy and Asthma. |
| | | (7) Bromhexin: a drug trial. |
| | | (8) Pollen survey in N. E. Bombay. |
| Department of Dermatology. | Dr. R. G. Valia | (1) Clinical trial of local fluocinonide in Vitiligo. |
| | Dr. Y. M. Shah | (2) A profile of a female S. T.D. patient of Bombay. (In collaboration with Department of Preventive and Social Medicine). |
| | Dr. R. G. Valia | (3) Lipid profile of Xanthelasma patients. |
| | Dr. R. G. Valia | |
| | Dr. Y. M. Shah. | |
| Department of Physiology. | Dr. (Smt.) V. D. Joshi | (1) Effect of ascorbic acid on cholesterol, fibrinolytic activity clotting and bleeding time |
| | Dr. (Smt.) Gokhale | (2) Effect of Benzyl groups on total cholesterol and lipoprotein fraction. |
| | Dr. (Smt.) Balasubramaniam. | (3) Effect of scorpion venom on cardiac Sarcolinmal AT Pase activities. |
| | Dr. Moorthy. | (4) Effect of intravenous saline and prostaglandin and on bradykinin activities prothrombin time and serum electrolyte. Haematological observation during menstrual cycle. |
| | Dr. V. D. Joshi | |
| | Dr. Gokhale | |
| | Dr. Dabholkar | |
| | Dr. (Smt.) Bala Subramaniam. | |

APPENDIX—II. (Contd.)

Department of Plastic Reconstructive and Maxillo Facial Surgery.		(1) "Aetiology of Burns in cases treated at Sion Hospital and study of 1210 cases." (2) "Anthropometry of the Indian face" (3) "The management of contracture elbow with heterotopic new bone formation."
Conferences Attended Honours Conferred and Awards Received.		
Department of Medicine.	Dr. A. G. Gore.	Attended a Seminar "Application of Management principles applied to Hospitals" arranged by Department of Surgery.
Department of Dermatology.	Dr. V. R. Mehta and Dr. R. G. Valia. Dr. V. R. Mehta.	(1) Annual Conference of I.A.D.V.L. at Indore. (2) 4th Regional Conference of Dermatology Penang Malaysia. (3) Member—Editorial Board of Indian Journal of Dermatology venereology and Leprosy. (4) Chairman Scientific Committee of Indian Association of Dermatology, Venereology Leprosy. (5) President—Indian Association of Dermatology Venereology and Leprosy Maharashtra Branch. Member Scientific Committee Indian Association of Dermatology Venereology and Leprosy.
	Dr. R. G. Valia	
Department of Medical Social Worker.	Mrs. Varde	Head MSW was appointed as chair person on the All Indian seminar of Trained Social Workers held in Nagpur in March, 1980. The seminar was organised by the All India Association of Trained Social Workers, Nagpur Chapter.
Department of Gyn. & Obst.	Dr. Shailaja Varma	Dr. Shailaja Varma Registrar got Gold medal in M. D. Examination.
Department of Dermatology.	Dr. R. V. Ranade	Dr. R. V. Ranade, was awarded Gold Medal at the D. D. V. Examination conducted by the College of Physician and Surgeons Bombay.
Department of Plastic Surgery.	Dr. Gopalkrishna	Dr. Gopalkrishna has received the "Glaxo award" for best paper in Plastic Surgery in 1980."

**APPENDIX No. III
STATEMENT SHOWING SCHEDULE BEDS ACCORDING TO
DEPARTMENTWISE & SEX WISE.**

Department	Male	Female	Children	Unclassified	Total
(A) Non-Paying Beds ;					
Teaching Beds					
Medical	120	36	..	..	156
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
Ophthalmology	18	14	8	..	40
Dermatology and V. D.	14	8	6	..	28
Paediatrics Including I. P. C. U. & R. C.	..	..	127	..	127
Paediatric Surgery	..	..	29	..	29
Psychiatric	10	8	6	..	24
Cardiology	14	6	..	..	20
Urology	..	..	..	20	20
Plastic Surgery	..	..	..	20	20
Neuro Surgery	10	..	2	..	12
Emergency Ward	..	..	..	10	10
AKD	..	..	..	6	6
Total	356	294	200	56	906
(B) Paying Beds.					
Non-Teaching Beds.					
Medical	17	9	..	..	24
Surgical.	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	400	328	200	56	984

APPENDIX No. IV

(A) Departmentwise distribution of Inpatients and out Patients treated during the year. 1980.

Sr. No.	Name of the Department	In-Patients		Out patients
		1979	1980	New only 1980
1	Medical	14,918	14,877	69,708
2	Surgical	11,253	9,726	75,857
3	E. N. T.	1,294	1,486	13,704
4	Oph'thalmic	1,223	1,305	13,248
5	Skin	203	200	22,010
6	Dental	Nil	..	13, 49
7	Paediatric	7,152	7,037	26,708
8	Psychiatric	658	694	1,410
9	Orthopaedic	2,564	2,813	25,800
10	Gynaec	1,517	1,499	7,842
11	Obstetric	8,102	7,963	11,131
12	Neuro Surgery	159	210	821
13	Cardiology	110	400	504
14	Cardio Vascular Thoracic Surgery	63	127	192
15	Plastic Surgery	244	424	622
16	Urology	276	537	519
17	Paediatric Surgery	256	1,302	..
18	Raoli Camp Paediatric Ward	1,198	1,051	13,456
19	Sarvodaya Hospital	..	54	..
20	Remained on the last day of the previous year	1,045	1,008	..
Total		52,135	52,713	2,97,009

(B) Results of treatments.

Hospital.	Cured.	Relieved	Other-wise	Delivered	Expired
L. T. M.G. Hospital & Annapurnabai Deshmukh Hospital for women	6,304	37,109	4,425	5,503	3,739

(C) Classification of deaths according to their time of admission. :

within 24 hours of admission	After 24 hours of admission but within 3 days.	After 3 days of admission	Total deaths.
1,060	387	2,292	3,739

APPENDIX No. V.

List of persons who have donated Rs. 500 and above during the year 1980-81.

Sr. No.	Name of the Party	Amount	
		Rs.	P.
1	Lions Club	..	10,400.00
2	A well Wisher	..	501.00
3	Karsandaya Bhanji	..	945.00
4	Somaiya	..	501.00
5	V. S. Kerewatte	..	500.00
6	Phoney Mahta	..	600.00
7	Lions Club of Dadar	..	1,000.00
8	P. Mehta	..	600.00
9	Giants Group of Sion	..	515.00
10	A Well Wisher	..	1,225.00
11	Kamles T. Desai	..	501.00
12	Lions Club of India	..	1,380.00
13	Lions Club of Sion	..	2,989.00
14	Malati Joshi	..	1,225.00
15	Lions Club of Wadala	..	720.00
16	Messrs. Zubin & Associates	..	1,001.00
17	Women s Relief Association	..	500.00
18	Lions Club of Wadala	..	600.00

APPENDIX No. VI.

Expenditure per In-patient, and per out patient per day

Year.	Diet	Medicines Drugs Equip- ment.	Stores & Linen	Miscella- neous	Repairs to Building	Estab- lish- ment	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
In-Patient :							
1979-80	3.53	16.22	4.09	5.01	3.72	32.25	64.82
1980-81	6.70	16.86	4.01	4.27	6.77	36.81	75.42
Out-Patient:							
1979-80	Nil.	3.30	0.83	1.02	0.76	6.58	12.49
1980-81	Nil.	4.41	1.05	1.12	1.77	9.64	17.99

APPENDIX VII

Prizes and Awards received by the students during the year 1980.

- (1) Dr. R. S. Tembe prize for standing first in final M. B. B. S. Exam. held in November 80. .. Smt. Shoba Subramaniam
- (2) Smt. Shantabai K. Rao, prize for standing first in Medicine in final M. B. B. S. Exam. held in November 80 .. Smt. Shoba Subramaniam
- (3) Dr. G. S. Ambardekar scholarship for standing first in I M. B. B. S. Exam. held in November 80. .. Shri Anil Vinayak Damle
- (4) B. R. Damle Memorial Gold Medal in Medicine .. Smt. Shobhana Bhatia
- (5) B. R. Damle Memorial Gold Medal in Preventive & Social Medicine .. Shri Kapasi K. D.
- (6) Dr. G. M. Phadke Memorial Award in Surgery .. 1st Prize—Smt. Dipti Rana
2nd Prize—Shri Mathew Prasad
- (7) Dr. G. M. Phadke Memorial Award in Pharmacology. .. 1st Prize—Smt. Monita Kapur
2nd Prize—Shri Shaileshwar Natrajan
- (8) Dr. B. M. Bhargava Memorial prize in Obst. & Gynaec. .. Smt. Jayshree Rangekar
- (9) Dr. B. M. Bhargava prize in Anatomy .. 1st Prize—
Smt. Savita Sheshadri
2nd Prize—Shri Anil Damle.
- (10) Dr. C. M. Gadre Memorial prize in E. N. T. .. No suitable candidate & hence not granted
- (11) Dr. C. M. Gadre Memorial prize in Physiology. .. 1st prize—Smt. Mahabal S. B.
2nd Prize—Shri Anil Damle
- (12) Shri Homant Kolkar prize for standing first in merit amongst the students registered for M. S. (Gen. Surgery) in November 80. .. Dr. M. R. Sidhwa

APPENDIX No. VIII

Performance Targets and Achievements 1980.

Activity	Name	Targets		Achievements	
		Outpatients	Inpatients	Outpatients	Inpatients
2	Medicine	.. 70,998	14,145	69,708	14,877
3	Surgery	.. 78,768	11,697	78,011	12,326
4	Gyn. & Obst.	.. 19,207	9,363	18,973	9,462
5	Paediatrics	.. 39,704	8,043	40,192	8,088
9	Casualty	.. 26,640	..	26,168	..
10	Orthopaedics	.. 23,514	2,803	25,800	2,867
11	E. N. T.	.. 14,482	1,144	13,704	1,486
12	Ophthalmology	.. 12,817	1,239	13,248	1,305
13	Skin and V. D.	.. 21,670	219	22,010	200
19	Psychiatric	.. 1,392	672	1,410	694
23	O. T. Treatments	.. 29,289	1,04,422	28,734	1,05,215
	P. T. Treatments	.. 1,01,314	90,145	1,02,682	90,645
27	Dental	.. 12,894	..	13,449	..
38	Dispensary	.. 5,83,610	..	4,61,361	..
47	Social Services	.. 39,280	..	35,582	..
53	Paying Ward	.. ..	1,194	..	995
7	Radiology	No. of X-Ray Plates	99,208	..	1,01,473
14	Blood Bank				
	(i) Collection of Blood bottles	.. ..	6,478	..	6,937
	(ii) Blood Bottles issued	.. ..	6,181	..	6,785
21	Pharmacy	(i) No. of infusion bottles	91,209	..	73,077
		(ii) No. of vials	27,172	..	45,415
22	Emergency & Accident Services	(i) No. of Patient admitted	2,109	..	2109
	Emergency Calls	..	672	..	695
46	L. B. Service	Total Investigations	4,31,259	..	4,22,014
51	Anaesthesiology	No. of Patients	17,210	..	17,576
52	Operation Theatre	No. of Operations	.. 30,252	17,372	29,160
					17,317
32	Cardiology	.. 480	406	504	400
20	Municipal Staff	..			
	No. of staff given Drugs	.. 41,043	..	41,845	..
24	Nursing School	..			
	No. of students given Nursing Training.	..	225	..	225

THE NAIR HOSPITAL DENTAL COLLEGE

High Lights—

(i) Income .. Rs. 2,89,101.00 (ii) Expenditure Rs. 38,65,596.00
 Students Section : University Examination Results.

Examination.	Total No. of students appeared.		Total No. of students passed.	
	April 1980	October 1980	April 1980	October 1980
I—B.D.S.	65	12	55	80
II—B. D. S.	55	9	55	1
III—B. D. S.	23	28	21	29
IV—B. D. S.	52	20	43	17
Total	195	69	174	64
I—M. D. S.	14	6	13	5
II—M. D. S.	13	11	8	9
Total	27	17	21	14

Patients Treated :

(i) Out-Patients : 1,37,611.

(ii) Daily average .. 445.

The College conducts 4 years course in Dentistry leading to the Degree of Bachelor of Dental Surgery as also Post-graduate course in 7 Dental subjects leading to the Degree of Master of Dental Surgery of University of Bombay.

Educational Activities and Seminars :

During the year 3 eminent specialists in various branches of dentistry visited the college and delivered lectures in the respective subjects for the students and the staff of this college. Dr. M. Midda, consultant, University of Bristol, U.K., Professor Mac. Gregor, Chairman; Department of Prosthodontics at the University of Glasgow, U.K. and Dr. Theodore West, Associate Professor of Periodontics at Fairleigh Dickinson University School of Dentistry New Jersey, U. S. A.

These specialists also had exchange of thoughts and discussions on various problems of teaching and research with the staff members of this college. Discussions were very valuable and revealing to all.

Hostel :

Nair Hospital Dental College Hostel for boys and for girl students has been started from 1st July 1976 and from 28th November 1977 respectively and the same is continued during the year under report.

Library :

During the year 480 books have been added to the collection totalling to 5753 books. The number of periodicals subscribed is 70. The total number of bound volumes of journals is 1420.

Special Equipments :

The College has 200 Dental Chairs, 166 Dental Units, 120 Bench type Engines, upto date Operation theatre, latest drilling equipment including Airtors and Airmotors 3 Nos. Densply cavitron Dental prophylactic Unit.

There are 4 X-Ray Units including Ergophos-4E, 200 M. A. X-Ray Unit, with Tomographic facilities for the treatment of the Dental Patients. Status-X a panoremic X-Ray Machine, Haliodent 60 for Intra-Oral X-Rays and Superpractixt(Philips) Statix 'X' Mobile X-Ray Unit have been added to facilitate panoremic radiography, General radiography and Tomography for teaching undergraduates and post-graduates students and also for the benefit of the patients.

The College has a ward of 12 beds (Male 6 and Female 6) specifically for Dental in-patients. The number of patients admitted during the year 1980-81 was Male Patients-502, Female Patients-118, Male Children-50 and Female Children-5 i.e. in all 675 patients were treated in the Ward.

The Staff engaged for the services in College is 335, para Dental 8, Non-Medical-210, Dental 95 and Medical-22.

Resume of Work done in the College

The total number of dental out-patients treated in different dental clinics was 1,37,611 including School Children from the Municipal Schools in the morning as well as in the evening clinics which include 63,759 males, 44,045 females and 29,807 children. In addition to the above patients, the number of patients treated in the dental camps was 712. The details of work carried out in different departments are given in the appendices 'A' to 'L' attached herewith.

During the year a revenue of Rs. 2,89,101.00 was collected by way of fees from the students and charges from the patients. The total expenditure incurred is Rs.38,65,596.00 as against Rs. 38,17,418.00 during the preceding year.

Poor Box Collection was Rs. 27,991.00.

During the year 13 dental camps were arranged by the Institution.

DR. S. T. TALIM, B.D.S., M.D.S.
 Dean,
 Nair Hospital Dental College.

APPENDIX 'A'

Summary of Clinical yearly Report from 1-4-1980 to 31-3-1981.

Serial No.	Description	Departments	Total
1	New Patients	..	68,641
2	Old Patients	..	68,970
3	Total Patients	..	1,37,611
4	Male	..	63,759
5	Female	..	44,045
6	Children	..	29,807
7	Silver Fillings	..Operative & Pedo.	7,633
8	Root Canal Fillings	..	698
9	Jacket Crown	..	525
10	Gold Inlays	..	116
11	Fixed Bridge	..Oper. & Prost.	454
12	Scalings	..Perio. & Pedo.	12,702
13	Gingivectomy and Gingivoplastry	..Periodontia.	657
14	Extractions	..Oral Sur., Exo. and Pedo.	48,917
15	3rd Molar Impactions	..Oral Surg. and Exo.	105
16	Surgical treatment for—	..	
(a)	Cyst	..Maxillo facial Deptt.	33
(b)	Fracture of the Jaw.	..	70
(c)	Cald Well Luc	..	6
(d)	Hemi mandibulactomy and Osteotomy	..	10
(e)	Cleft Palat	..	..
(f)	Cleft clip.	..	..
(g)	Condylectomy	..	5
(h)	Tumours	..	30
(i)	Maxilectomy	..	1
(j)	Plastic Reconstructive Surgery	..	16
17	Transplantation of the teeth	..	10
18	Replantation of the teeth	..Operative	45
19	X-Rays	..Radiology.	23,122
20	Fixed appliances for Ortho. treatment	..Orthodontia	1,246
21	Removal appliances for Orthotreatment.	..	1,370
22	Full dentures	..Prosthetic	1,357
23	Partial dentures	..	711
24	G. A. Cases	..Pedo. & Oral Surgery.	188
	Total Collection of Rupees.	...	1,67,253

APPENDIX 'B'.

Maxillo-Facial and Oral Surgery Department.

List of Operations done during 1980-81.

(A) Oral Surgery—

Serial No.	Description,	Nos.	Serial No.	Description.	Nos.
1	Impactions.	450	19	Condylectomy.	5
2	Biopsy.	50	20	Nerve Avulsion.	3
3	Oro-antral Fistula,	4	21	Sub Luxation of T. M. Joint.	6
4	Cyst.	33	22	Gland Excision.	8
5	Fracture.	70	23	Benign-Tumours.	30
6	Cald-well-luc.	6	24	Neurectomy.	4
7	Apicectomy.	40	25	Tongue Tie	2
8	Alveolectomy.	14	26	Arthroplasty.	5
9	Alveolar Abscess.	50	27	Maxilectomy.	1
10	Hemimandibulectomy.	..	28	C. L. W.	40
11	Maxillary & Osteotomy Mandibulav. }	10	29	Frenectomy.	14
12	Cleft Palate.	..	30	Plastic Reconstructive Surgery	16
13	Curettage.	80	31	Extra-oral Sinus.	10
14	Transplantation of Canine.	10	32	Osteomyelitis.	16
15	Vestibuloplasty.	4	33	Extractions.	100
16	Cleft Lip.	..	34	Removal of Salivary Calculvs.	7
17	Skin Graft.	..	35	Neurorrhaphy.	2
18	Bone Graft,	..	36	Rhynoplasty.	4
			37	High Condylectomy	4
				Total	1098

Operations under G. A. .. 100
 Operations under L. A. .. 998

Total ... 1098

APPENDIX 'B'—(Contd).

(B) EXODONTIA DEPARTMENT.

Clinical Yearly Report from 1st April 1980 to 31st March 1981.

Serial No.	Description	Morning	Evening	Total
1	New	20,069	6,791	26,860
2	Old	12,574	5,056	17,630
3	Total Patients	32,643	11,847	44,490
4	Male	18,773	6,524	25,297
5	Female	13,077	5,042	18,119
6	Children	793	281	1,074
7	Consultation	1,700	675	2,375
8	Prescription	5,953	2,021	7,974
9	Teeth Ext.	28,414	10,879	39,293
10	G. A. Ext. .. .. .	..	..	..
11	Root Exts.	453	261	714
12	X-Ray	946	397	1,343
13	Medication .. .. .	..	..	..
14	Abscess Incised	21	4	25
15	Alveolectomy	20	35	55
16	Flushing	219	41	260
17	Flab Removed	17	16	33
18	Impacted Third Molar	59	46	105
19	Suture removed	302	131	433
20	Excision of Epulis .. .. .	..	..	..
21	Dressing.	14	..	14
22	Cyst Operations .. .. .	..	..	..
23	Free	4,034	1,822	5,856
24	Rupees	23,429	8,937	32,366

APPENDIX 'C'

DEPARTMENT OF ORAL PATHOLOGY AND BACTERIOLOGY.

Administrative report from 1st April 1980 to 31st March 1981.

Serial No.	Description.	Nos.
1	Pathology Biopsies.	16
2	Surgical Biopsies.	214
3	Total No. of Biopsies.	230
4	No. of Paraffin Blocks.	285
5	Recutting of Blocks.	35
6	No. of Teeth Blocks.	50
7	Total No. of Blocks cut.	370
8	Total No. of Paraffin slides.	1,480
9	No. of Slides routine stain.	400
10	No. of Slides special stain.	237
11	Total No. of Slides Stain.	637
12	No. of Ground Sections.	35
BLOOD INVESTIGATION		
Haematological :		
13	No. of Haemoglobin.	1,020
14	Bleeding time.	950
15	Clotting time.	950
16	No. of WBC (Total Count.).	981
17	No. of White Cell Morphology.	981
18	Platelet count.	55
19	Erythrocyte Sedimentation Rate.	40
20	Grouping and cross matching.	23
Biochemical Investigations :		
21	Blood Sugar.	35
22	Blood urea nitrogen.	2
23	Serum Alkaline Phosphatase.	25
24	Serum Calcium Phosphatase.	25
25	Serum Cholesterol.	3
26	Serum Bilirubin.	9
27	Blood S. G. O. P. To. Serological Investigation.	7
28	V. D. R. L.	30
Bacteriological Investigation :		
29	Culture & Sensitivity.	40
Urine Investigation :		
30	Urine Sugar.	962
31	Urine Albumin.	962
32	Urine Bile Salt & Pigment.	962
33	Urine Microscopic.	962

APPENDIX—'D' (Contd.)

ORAL DAIGNOSIS AND RADIOLOGY DEPARTMENT

Annual report from 1st April 1980 to 31st March 1981.

Details of Radiographs taken and Reported.

Months.	Extra-Oral films.	Intra-Oral films.	Occlusal films.	Total number patients.
April 1980	264	1488	20	773
May 1980	210	1587	11	871
June 1980	225	1536	18	862
July 1980	286	2021	23	1103
August 1980	270	1502	15	904
September 1980	237	1725	13	1099
October 1980	215	1592	16	982
November 1980	221	1860	14	1006
December 1980	258	1696	21	1078
January 1981	289	1885	24	1135
February 1981	230	1612	23	1091
March 1981	261	1439	15	1008
Total	2966	19943	213	11912

APPENDIX 'E'

DEPARTMENT OF PERIODONTOLOGY.

Clinical Report from 1-4-1980 to 31-3-1981.

Serial No.	Description	Morning	Evening	Total
1	New Patients	6648	2574	9,222
2	Old Patients	8,235	6,417	14,652
3	Total Patients	14,883	8,991	23,874
4	Male	9,412	5,488	14,900
5	Female	5,093	3,449	8,542
6	Children	378	54	432
7	Consultation	5,941	2,433	8,374
8	Medication	396	163	559
9	X-Ray	336	180	516
10	Scaling (Seating)	4,137	3,871	8,008
11	Completed Cases (Scaling)	1,915	1,536	3,451
12	Free	430	288	718
13	Curettage	148	56	204
14	Gingivectomy	305	169	474
15	Free	113	70	183
16	Other Periodontal Operations	...	..	...
17	Pack placed or Removed	296	139	435
18	Impressions	15	15	30
19	Splints	...	...	...
20	Occlusal Adjustments	50	40	90
21	Acute Infections	...	...	...
22	Flap Operation	115	61	176
23	Intra-masoular Injeqion	45	30	75
24	Amount collected . (Rupees)	14,854.00	6,078.00	21,532.00

APPENDIX -F

 DEPARTMENT OF OPERATIVE DENTISTRY
 Clinical Yearly Report from 1-4-1980- to 31-3-1981.

Serial No.	Particulars	Morning.	Evening.	Total.
1	Old Patients	12,738	7,526	20,264
2	New Patients	2,521	1,140	3,661
3	Total Patients	15,259	8,666	23,925
4	Male	8,784	5,001	13,785
5	Female	6,475	3,665	10,140
6	Medication	860	348	1,208
7	Consultation	2,985	1,527	4,512
8	X-Ray paid (Intra-Oral)	...	...	3,421
	Extra-Oral.	..	..	38
	Intra-Oral X-Ray Free	...	..	1,929
	Cavity Cutting.	..	..	4,677
9	Zinc Filling	2,510	21,67	4,677
10	Ag. Filling Paid.	1,706	1,851	3,557
11	Free Filling	479	326	805
12	Total Filling	2,185	2,177	4,362
13	Porcelain Filling paid.	91	22	113
14	Free Filling	45	14	59
15	Total Filling	136	36	172
16	Gold Inlays Paid.	30	22	52
17	Free Inlays	33	31	64
18	Total Inlays	63	53	116
19	Full Crown paid.	78	37	115
20	Free Crown/Bridge	198	141	339
21	Total Crown/Bridge	276	178	454
22	Jacket Crown Paid	118	58	176
23	Free Jacket Crown	194	126	320
24	Total Jacket Crown	312	184	496
25	Root Canal Treatment	289	95	384
26	Free Root Canal treatment Paid...	136	81	217
	Total Root Canal	425	176	601
27	R. C. Dressing	1,268	406	1,674
28	Pulp Capping	143	64	207
29	Paid Pulpotomy.	25	9	34
30	Pulpotomy Free.	29	2	31
31	Apic. ctomy Paid.	6	17	23
32	Apic. ctomy Free.	2	9	11
33	Dowel. Paid	21	17	38
34	Free. Dowel	46	27	73
	Total. Dowel	67	44	111
35	J. C. Gold Backing paid.	17	8	25
36	J. C. Gold Backing free.	23	16	39
37	Amt. Collected Rupes.	19,048	14,000	33,048

APPENDIX 'G'
ORTHODONTIA DEPARTMENT
Clinical Annual Report for the year 1-4-1980 to 31-3-1981.

Sr.No.	Particulars	Morning	Evening	Total
1	New patients' Visits (Consultation)	364	152	516
2	Old Patients' Visits	5,590	2,303	7,893
3	Total Visits	5,594	2,545	8,499
4	Male Adults	1,539	672	2,211
5	Female Adults	2,924	1,221	4,145
6	Children	1,491	562	2,053
7	Impressions	833	298	1,131
8	X-Rays	438	217	655
9	Cephalograms	312	114	426
10	Photographs	82	7	89
11	New Patients' Treatment Started	235	68	303
12	Space Maintainers Given	7	5	12
13	Fixed Appliance New Patients	97	6	103
14	Removable Appliance New Patients	138	62	200
15	Fixed Appliance Adjustments	750	393	1,143
16	Removable Appliance Adjustments.	725	445	1,170
17	Special Appliances. ... .. .	...	...	...
18	Extra Oral Appliances.... .. .	...	...	...
19	Retention Plates (Complete Cases)	27	18	45
20	Check-up Done	2,546	915	3,461
21	Amount Collected Rs.	Rs. 20,125/-	Rs. 8,470/-	Rs. 28,595/-

APPENDIX—'H'

PEDODONTIA DEPARTMENT

Yearly report from 1st April 1980 to 31st March 1981.

Serial No.	Description	Morning.	Evening.	Total
1.	New Patients	7,528	1,730	9,258
2	Old Patients	10,432	5,713	16,145
3	Total Patients	17,960	7,443	25,403
4	Consultation	5,780	1,189	6,969
5	Medication	2,916	1,193	4,109
6	X-Rays	562	352	914
7	Cavity cutting Zno. filling	2,389	1,113	3,502
8	Silver Filling	2,258	1,013	3,271
9	Silicate Filling	7	2	9
10	R. C. Filling	49	48	97
11	Jacket Crown	15	14	29
12	Pulp capping	101	24	125
13	Pulpotomy	129	25	154
14	Scalling and polishing	275	250	525
15	Extraction	5,696	3,114	8,810
16	Apicectomy	4	4	8
17	Flouride	3	2	5
18	Complete Treatment under G. A.	88	..	88
19	Chakup Kamatiupura schools	2,999	200	3,199
20	Dowel	2	2	4
21	Lower and Upper S. M. Dilivered	2	..	2
22	Ag. Free	1,421	602	2,023
23	New cases checkup society for education, Agripada, .. .. .	..	..	..
24	Municipal School	77	..	77
Total Collected (Amount)		6,920	4,170	11,090

APPENDIX 'I'

PROSTHETIC AND CROWN AND BRIDGE DEPARTMENT

Annual Report from 1st April 1980 to 31st March 1981

Serial No.	Description	Morning	Evening	Total
1	New Patients.	601	305	906
2	Old Patients.	2,560	2,044	4,604
3	Total Patients.	3,161	2,349	5,510
4	Male Patients.	2,129	1,564	3,693
5	Female Patients.	992	760	1,752
6	Children.	40	25	6
7	Consultations.	1,219	594	1,813
8	Complete dentures.	775	227	1,002
9	Partial dentures.	361	148	509
10	Repair of dentures.	194	99	293
11	Crown & Bridge treatment.	16	..	16
12	Obturator & Cleft palate.	5	..	5
13	Relining & Rebasing.	13	..	13
14	Other Mechanical appliances (Mandibulotomy, T. M. Joint, Training flange, Bite raising etc.)	3	..	3
15	Immediate dentures.	4	..	4
16	Total Collection (Amount).	26,155	15,067	41,222

Free Work done during the Year :

Complete dentures.	355
Partial dentures.	202
Repair of dentures.	83
Crown & Bridge.	2
Relining & Rebasing.	13
Obturator.	1
Total amount collected through poor box by receipts.	1,405 923 2,328

APPENDIX 'J'

Report of the Dental Camps for the Year 1980 to 1981.

Date	Total No. of Patients Examined.	Total No. of Extractions.
27-11-80	79	39
4-12-80	104	43
11-12-80	72	56
18-12-80	51	66
15-1-81	34	38
20-1-81	74	56
29-1-81	35	34
5-2-81	72	58
12-2-81	27	62
19-2-81	27	22
5-3-81	20	17
12-3-81	73	82
19-3-81	44	41
Total examined	712	
Total Extracted	578	
Advise for filling etc. given to	134	

Doctor	Subject	Particulars
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APPENDIX 'K'

List of Scientific Publication and Papers read during the year 1980-81.

OPERATIVE DENTISTRY

Dr. S. T. Talim.	..An Evaluation of copper based Non precious casting alloy for Clinical use.	J. I. D. A. 53 :Jan 81.
Dr. S. T. Talim.	..Pins in Restoration Dentistry.	J. I. D. A. 52 :July 80.
Dr. S. T. Talim.	..Use of Glass ionomer cements and composites for the restoration of the tooth without cavity preparation.	Paper read at I. D. A. Conference at Ahmedabad Branch. 81.
Dr. D. R. Shahani Dr. J. J. Suchak Dr. A. J. Thakore.	..As assessment of Endodontic Morphology of mandibular permanent central inciser teeth with radio opaque contrast media.	Paper published in I. D. A. Journal 81.
Dr. D. R. Shahani. Dr. H. D. Gosain.	Comparative study of antibacterial efficacy of milton solution and C. M. C. P. in Root Canal therapy.	Paper published in I. D. A. Journal 81.
Dr. D. R. Shahani. Dr. R. J. Gawankar	Comprative study of non-surgical and surgical management of pulpless teeth with periapical lesion.	Research conducted by 81.

PERIODONTOLOGY

Dr. I. R. D'silva. Dr. R. P. Nayak.	Efficacy of Neem twing (Datun) as an oral hygiene agent-Some Clinical observations.?	Bulletin of Indian Society of Periodontology-Vol. 14, No. 2 pg. 21, 1980.
Dr. I. R. D'silva. Dr. R. P. Nayak. Dr. K. M. Cherian. Dr. M. J. Mulky.	Ultrasonics or hand instruments in Periodonta/Therapy.	Paper presented at the 1st International and 34th National Conference held in Bombay 1980 Jan.
Dr. R. P. Nayak. Dr. I. R. D'silva. Dr. P. K. Bhambhani Dr. H. N. Vijayakar	An evaluation of different oral hygiene aids.	Paper presented at the 1st International and 34th National Conference held at Bombay. Jan. 1980.
Dr. I. R. D'silva Dr. R. P. Nayak	Is gingivectomy obsolete in Periodontal therapy.	Paper presented at Vth Conference Workshop of Indian Society of Periodontology held at Amritsar on 26th Dec. 1980.
Dr. R. P. Nayak	Is Periodontics all pervasive in dentistry.?	Paper presented at Vth Conference Workshop of Indian Society of Periodontology held at Amritsar on 26th Dec. 1980.

PERIODONTOLOGY (contd).

Dr. R. P. Nayak Dr. I. R. D'silva.	Practical aspects of Periodontal Therapy.	Conducted a refresher course for the Indian Dental Association-Bombay Branch held on 17th August 1980 from 9 a.m. to 1 p.m. at Jaslok Hospital, Bombay.
Dr. R. P. Nayak Dr. I. R. D'Silva	Essay-Speciality Practice of Periodontics in India.	Won the 1st prize essay competition 1980 held by the Indian Society of Periodontology.
Dr. P. K. Bhambhani Dr. R. P. Nayak	An evaluation of different oral hygiene aids.	Paper presented at 5th Conference Workshop of Indian Society of Periodontology held at Amritsar on 26th Dec. 1980.

Doctor	Subject	Particulars
ORTHODONTIA		
Dr. A. B. Modi	Functional Appliances.	Round table Demonstrations conducted at XVth All Indian Orthodontic Conference held by Indian Orthodontic Society in Dec. 1980 at New Delhi.
Dr. K. K. Vakil Dr. A. B. Modi Dr. N. H. Parikh (Joint paper)	The Role of the Interincisive Soft Tissue on the Relapse of Orthodontically Closed Maxillary Midline Deastema-A Clinical and Histological Study.	Published in the Journal of Indian Orthodontic Society, Vol. XII: 3-4-1980.
Dr. (Mrs.) T. M. Bhagtani	Alignment of the impacted Maxillary Central Incisor.	Presented at XV All India Orthodontic Conference in Dec. 1980. at New Delhi.
Dr. M. K. Prakash	Begg(er) Be Better.	Presented at XV All India Orthodontic Conference held by Indian Orthodontic Society in Dec. 1980 at New Delhi.
Dr. M. K. Prakash	Begg Appliances.	Round Table Demonstration conducted at XV All India Orthodontic Conference held by Indian Orthodontic Society in Dec. 1980, at New Delhi.
PROSTHETIC		
Dr. F. D. Mirza	Clinical Concepts in Fixed Prosthodontics.	Presented at the VIII, I. P. S. Conference on 25th & 26th Dec. 1980 at New Delhi (under publication).
Dr. F. D. Mirza Dr. S. Natrajan	Failures in Crown and Bridge Prosthodontics.	J. I. D. Association, No. 52 : 381-383, Jan. 1981.
Dr. F. D. Mirza Dr. J. V. Dikshit	Changing Concepts in Complete Denture.	Journal of I. D. A. March issue (under publication).
Dr. F. D. Mirza Dr. J. V. Dikshit	Changing Concepts in Fixed Prosthodontics.	Journal of I. P. S. (under publication).
Dr. A. A. Rahmatulla	Over Dentures.	Published in Sept. 1980 Journal of Indian Dental Association.
Dr. A. A. Rahmatulla	Complete Denture Problems and their solutions.	Gave a talk at the solapur Branch of the Indian Dental Association on Sunday, 8th Feb. 1981.
Dr. A. A. Rahmatulla	Psychological Consideration in Complete Denture Services.	In print with the Indian Dental Association.
ORAL AND MAXILLO-FACIAL SURGERY		
Dr. K. H. C. Kapadia	Maxillary sinus in Oral & Maxillo-facial sugery.	Annual Conference of Oral and Maxillofacial Surgeons of India in Jan. 1981.
Dr. K. H. C. Kapadia Dr. (Miss) Meena Kinger Dr. S. S. Khambay	Osteoma of the Jaws on Oral Surgical Rarity.	Read a joint paper for annual Conference of Oral & Maxillo-facial Surgeons of India in Jan. 1981.
ORAL PATHOLOGY		
Dr. A. P. Bhatt Dr. (Smt.) Poonja Dr. H. M. Dholakia	Mucous path (A secondary syphilitic infection on lower lip).	J. I. D. A. Feb. 1980.
Dr. A. P. Bhatt Dr. (Smt.) L. S. Poonja Dr. H. M. Dholakia	Giant Cell Granuloma (A case in the mandible).	J. I. D. A. March 1980.

Doctor	Subject	Particulars
Dr. A. P. Bhatt Dr. (Smt.) V. R. Brave Dr. H. M. Dholakia	Cylindroma of the Palate.	J. I. D. A. April 1980.
Dr. (Smt.) V. R. Brave Dr. A. P. Bhatt Dr. H. M. Dholakia.	Herpes Simplex of upper and lower lip.	J. I. D. A. May 1980.
Dr. (Smt.) L. S. Poonja Dr. A. P. Bhatt Dr. H. M. Dholakia	Filariases of upper lip	J. I. D. A. June 1980.
Dr. A. P. Bhatt Dr. (Smt.) V. R. Brave Dr. H. M. Dholakia	Dental Cyst (A case in Maxilla).	J. I. D. A. July 1980.
Dr. (Smt.) L. S. Poonja Dr. A. P. Bhatt Dr. H. M. Dholakia	Haematoma of the Tongue.	J. I. D. A. August 1980.
Dr. (Smt.) V. R. Brave Dr. A. P. Bhatt Dr. H. M. Dholakia	Ameloblastoma of the Mandible.	J. I. D. A. Sept. 1980.
Dr. (Smt.) V. R. Brave Dr. A. P. Bhatt Dr. H. M. Dholakia	Mandibular Tori.	J. I. D. A. October 1980.
Dr. A. P. Bhatt Dr. (Smt.) L. S. Poonja Dr. H. M. Dholakia	Traumatic Ulcer on the Tongue.	J. I. D. A. November 1980.
Dr. (Smt.) L. S. Poonja Dr. A. P. Bhatt Dr. H. M. Dholakia	Tongue Tie.	J. I. D. A. December 1980.
Dr. A. P. Bhatt Dr. H. M. Dholakia	Triple Dens Invaginatus of Radicular & Coronal Variety.	J. I. D. A. March 1981.
Dr. (Smt.) V. R. Brave Dr. A. P. Bhatt Dr. H. M. Dholakia	Odontogenic Keratocyst.	J. I. D. A. 52, 163-165 1980.

APPENDIX 'L'

Prizes and Awards won by the staff and Students of the College.

Serial No.	Name of the Student	Name of Prize.
'ACADEMIC'		
1	Dr. Miss M. H. Shah.	IV B. D. S. Best student award.
2	Kum. U. N. Mirchandani.	I. B. D. S. Silver Jubilee Scholarship.
3	Kum. S. V. Mehta.	II B. D. S. Do.
4	Shri E. V. Rodrigues.	III B. D. S. Do.
5	Shri A. H. Agarwal.	IV B. D. S. Do.
6	Shri E. V. Rodrigues.	III B. D. S. Dr. J. M. Dubhash Scholarship.
7	Dr. A. H. Agarwal.	IV B. D. S. Dr. P. P. Shahani Scholarship.

Best Student award delivered by Medical Welfare trust one for male and one for female.

Male Prize was shared between :

- 1) Dr. J. J. Sheth
- 2) Dr. N. K. Kothare

Female Prize was delivered to :

- 1) Dr. (Miss) A. M. Havewalla.

"SPORTS"

Academic year 1980-81

Inter Collegiate Swimming Competition

- | | |
|--------------|----------------|
| (1) 100 met. | Free Style. |
| (2) 100 met. | Breast Stroke. |
| (3) 200 met. | Free Style. |
| (4) 400 met. | Free Style. |

Winner of the above mentioned events Miss Karuna Mirchandani (NHDC) who also holds the title for 3 previous years.

Inter Medical Athletic meet.

- | | |
|------------------|-------------------|
| (1) 100 met. run | (2) 200 met. run. |
|------------------|-------------------|

Winner Mr. Hemanta Kumar Wakamabum.

In addition we proudly present the following trophies.

- (1) Dr. S. P. Charan trophy for Interclass Cricket.
- (2) Dr. Sydney Tellis trophy for Interclass Drama.

G. T. B. Hospitals

T. B. CONTROL PROGRAMME

HIGH-LIGHTS OF THE YEAR 1980-81.

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. Four Area Tuberculosis Centres have been added to the present strength of 16 Area Tuberculosis Centres raising the total to 20 Area Tuberculosis Centres in Greater Bombay.

II.—Expenditure :

	Rs.
1. Total Expenditure	1,82,40,838
2. Amount spent on In-patients	1,78,18,586
3. Amount spent on Out-patients	25,36,772
4. Average cost per day on—	
(i) In-patient	43.73
(ii) Out-patient	11.54

III.—Significant Activities :

1. Schedule Bed Strength	1,330	G. T. B. Hospitals Sarvodaya Hospital Ghatkopar.
	+ 350	
	1,680	
2. Admissions	11,538	
3. Daily average of In-patients	1,116	
4. Out-patients at Clinics	17,438	
5. Average stay of patient in the hospital	1 ½ months.	
6. Operations carried out during the year	91	
7. Health visits paid	3,113	
8. Patients advised hospitalization, by Board	364	
9. Patients covered under City Tuberculosis Programme	37,178	
10. Patients under treatment at Municipal Centres	36,216	

The Group of T. B. Hospitals is administered by the Medical Superintendent with the help of Deputy Medical Superintendent and Assistant Medical Officers.

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 Hosps. (City & Suburbs, extended Suburbs.)

In addition to above, the Corporation have hired 350 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 1,680, as under :—

G. T. B. Hospitals—	Male	Female	Children	Total
Medical Ward ...	796	306	35	1137
Surgical Ward ...	131	62	...	193
	927	368	35	1330
Sarvodaya Hospital, Ghatkopar (Hired beds) ...	200	150	...	350
Total ...	1127	518	35	1680

After discharge, 7602 patients attended the hospital for follow-up.

G. T. B. Hospitals—

Patients			Discharged			Remained at the end of the year
From previous Year	New Admissions	Total	Cured	Otherwise	Died	
1,132	11,538	12,670	9,184	748	1,744	994

Mortality figures revealed the high incidence in the age-group of 26-30 years. Ratio of death to total patients treated was 13.7% percent.

Municipal T. B. 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.

Out patients attended and treated during the year—

Names of the clinics	No. of patients attended	T. B. Cases	Non-T. B. Cases
(1) R. D. T. B. Clinic, Dadar	7,587	4,462	3,125
(2) Samaldas Gandhi Marg T. B. Clinic	5,802	1,100	7,702
(3) M. M. Munshi T. B. Clinic, Khar	10,864	6,770	4,094
(4) Balaram Street, T. B. Clinic	2,152	1,482	670
(5) Nawab Tank T. B. Clinic	1,815	883	932
(6) Sub-T. B. Clinic, at Bhabha Hospital, Kurla	4,698	2,741	1,957
	35,918	17,438	18,480

Sarvodaya Hospital, Ghatkopar :

The following beds were reserved in Sarvodaya Hospital, Ghatkopar by the Corporation in

For TB patient	350
For Orthopaedic	500

However, this hospital is closed from Oct., 1980, which was closed due to labour strike.

From previ- ous year	Patients		Discharge			Remained at the end of the year
	New Admissions	Total	Cured	Otherwise	Died	
...	418	418	67	...	67	284

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. 37,978.50 was collected for the Poor Box charity fund at 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 T. D. D. by the college of Physicians and Surgeons 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 under-graduate 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 centres (Area Tuberculosis Centres) for diagnosis & treatment. Two are managed by State Govt. and one by the Maharashtra State Anti-Tuberculosis Association and the remaining 16 by the Municipal Corporation. Work at all these centres is co-ordinated by Medical Supdt., with the assistance of Medical Officers, T. B. Clinics and Assistant Health Officer (T. B.) as a City Tuberculosis Officer 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-finding, case-holding and for defaulter-action. Summary of work done in this respect is given in Table 2.

2. Following are the upgraded dispensaries, Peripheral Centres (T. Cs.) and B. C. G. Vaccination Centres covered by each A. T. C.

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	1,84,531	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	Municipal T. B. Clinic at Samaldas Gandhi Marg.	...	1	3	1
D	6.63	4,47,811	Municipal T. B. Clinic at Balaram Street. B. Y. L. Nair Hospital.	...	1	3	4
E	7.40	4,62,065	J. J. Hospital	...	6	5	10
F/W	10.5879	3,83,191	R. D. T. B. Clinic, Dadar } L.T.M.G. Hospital, Sion. }	...	4	2	6
F/E	10.579	2,79,385	O. H. T. B. Clinic, Sewri	...	3	4	4
G	17.84	8,24,007	Bai Gulbai Dispensary, Dadar, Bom- bay 28.	...	6	14	8
H	25.8	5,23,402	{ M. M. Munshi T. B. Clinic at Khar, Bombay } { K. B. Bhabha Hosp. Bandra. } { Cooper Hosp., Juhu Vile Parle } { Munl. Gen. Hosp., Santacruz. }	...	4	5	2
K	43.00	5,74,275		...	5	8	7
L	13.00	2,98,840	Bhabha Hospital, Kurla Sub-T. B. Clinic.	...	2	5	1
M	62.19	2,25,000	MAA Hosp., Chembur.	...	..	9	4
N	39.00	3,47,012	Rajawadi Hosp., Ghatkopar.	...	1	5	3
P	74.83	3,96,496	Malad General Hospital, Haji Bapu Road., Malad(E).	...	2	8	2
R	82.73	2,36,931	Bhagwati Hospital, Borivali (W).	...	1	4	4
T	41.44	1,24,272	M. T. Agarwal Municipal General Hospital., Muhmd (W).	...	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 20 Area Tuberculosis Centres, 8 have M. M. R. X-ray equipment and Pathology Department and the remaining are having X-ray and/or Screening Machines and Laboratories. All these Centres serve as diagnostic-treatment centres. The Peripheral Centres which are Municipal General Dispensaries, serve as Treatment Centres only. The Medical Record Department of the hospital and T. B. clinics and Central Statistical Section for field services is located at the Group of T. B. Hospitals, Sewri, and A. H. O. (T. B.),s Office, F/south ward Office respectively for collection of data.

As provided under the National Tuberculosis Programme, Central Control Agency is also formed under the Chairmanship of the Municipal Commissioner.

B. C. G. Programme. :-

(1) B. C. G. Vaccination to children of 3 months to 14 years of age is carried out in all the 22 Municipal Maternity Homes and in the paediatric wards attached to 12 municipal general hospitals. It is also carried out in the Municipal schools (1 standard students every year) under the control and supervision of the Medical Officer (Schools). 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 Bhabha Hospital, Kurla 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 1,54,069 B. C. G. Vaccinations were given during the year.

"Performance Budget.

The performance budget has been introduced from 1976-77. The details in respect of the target laid down and the target achieved are enclosed. The reasons for shortfalls 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—Hospital.

	Target laid down	Target achieved	Remarks
(1) Indoor cases ..	12,000	11,538	(i) Due to reduction of beds at Sarvodaya Hospital, Ghatkopar. (ii) Due to introduction of system of rationalisation only T. B. patients selected by the Board are admitted. All patients attending this Hospital are not admitted as was done in past.
(2) Operations (Nos.) ..	300	91	Due to non-availability of Blood Transfusions and less No. of Surgical cases.
(3) Follow-up examinations ..	7,500	7,602	
(4) Patients kept on Waiting List	400	364	Emergency cases are more than regular admissions.
(5) X-Rays :			
(a) Mass Miniature Radiography (Nos.) ..	35,000	12,768	
(b) Big Plates (Nos.) ..	16,750	8,300	Due to shortage of Big Plate X-ray Films non-working of X-Ray Machine.
(c) Screening Exams. (Nos.)	500	674	
(6) Pathology :			
(a) Blood ..	20,600	13,901	E. S. R. one of the exams, of blood is not done.
(b) Sputums ..	40,500	32,902	
(c) Urine ..	14,000	14,420	
(d) Stools ..	350	199	This is done only when it is necessary and not as a routine.
(e) Histopathology ..	125	407	
(f) Sensitivity Tests ..	1,000	454	
(g) Pleural fluids & Biochemistry ..	4,250	7,278	Do.
(h) Blood Bank ...	1,900	1,676	
(i) Serology ...	125	178	This is new addition.

Dr. A. P. RAO
Medical Superintendent,
Group of T. B. Hospitals.

PROGRAMME WORK—LOAD SUMMARY OF T. B. CLINICS.

1980	R.D.T.B. Clinic Dadar.		Sardar Das Gandhi Marg. T. B. Clinic.		Balaram St. T. B. Clinic.		M. M. Mirshi T. B. Clinic. Khar		Nawab tank T. B. Clinic.		Sub-T. B. Clinic Bhabha Hospital Kurla		REMARKS
	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down	Target achieved	Target laid down.	Target achieved	Target laid down.	Target achieved	Target laid down	Target achieved	
I.—OUTDOOR CASES													
(a) T. B. Cases ...	4,800	4,121	1,100	1,004	1,500	1,482	7,000	6,770	1,000	883	1,700	2,741	(1) The X-ray Machine at Balaram Street T. B. Clinic, was not working and new—X—Ray Machine installed—Started working from 13-4-81.
(b) Non-T. B. Cases	5,000	3,125	3,500	6,815	700	670	4,000	4,094	2,000	932	550	1,957	
Total ...	9,800	7,246	4,600	7,819	2,200	2,152	11,000	10,864	3,000	1,815	2,250	4,698	
II.—X-RAYS													
(a) Mass Miniature Radiography	14,000	16,353	5,000	10,823	X-ray Machine out of order from 13-11-78	...	12,500	10,433	6,500	6,734	Shown under R.D.T.B. Clinic Dadar	...	(2) Screening is done as and when required.
(b) Big Plates	200	19	200	197	...	...	950	563	...	...	...	...	(3) Pathology Examination are done as and when required.
(c) Screening	...	...	100	2	...	...	...	...	...	...	...	...
III.—PATHOLOGY													
(a) Blood Exam.	430	194	400	1,059	100	24	750	861	300	144	...	...	(4) Under City Tuberculosis Programme pattern of Health Visiting is changed. Health Visitors & Treatment Organisers visit ATC. Gen. Disps., and home of the patients in the area given to them. Hence, Health Visitings are less.
(b) Sputum	8,000	8,219	3,200	4,760	3,500	3,201	10,000	8,719	3,000	2,322	3,471	3,473	
(c) Urine	...	...	40	11	40	4	2,000	286	30	24	...	...
(d) Stool	...	...	...	...	10	...	...	...	...	...	...	...
IV.—Health Visiting	200	211	200	351	400	1,058	350	827	800	355	193	311	

Dr. A. P. Rao
Medical Superintendent,
Group of T. B. Hospitals

TABLE No. 2.

Anti T. B. Activities carried out in the year 1980.

1	No. of new T. B. patients interviewed by treatment organisers at the Municipal General Dispensaries/Hospitals	18,208
2	No. of repeaters interviewed by the treatment organiser at the Municipal General Dispensaries/General Hospitals	1,49,425
3	No. of Home visits paid by treatment organisers and T. B. Inspectors at the residence of the T. B. Patients	56,345
4	No. of close contacts contacted	41,513
5	No. of close contacts referred to the Municipal T. B. Clinics for detection and treatment	11,886
6	No. of close contacts who attended the T.B. Clinics	5,924
7	No. of positive cases detected from the referred contacts	848
8	Defaulters:—	
	(i) No. of defaulters	44,434
	(ii) No. of defaulters brought on regular treatment	16,278
	(iii) No. of defaulters lost/expired.	28,156
9	No. of persons know who have undergone B. C. G. vaccination	5,359
10	No. of School children who have undergone T. B. treatment	4,870
11	No. of B.C.G. Vaccination in the Municipal Schools	65,206
12	No. of Laboratory Examinations done at 46, Mun. Gen. upgraded dispensaries—	
	(a) Blood (E. S. R.)	10,771
	(b) Urine	16,871
	(c) Sputum	7,014
	(d) Screenings	29,732
	(i) Positive	4,985
	(ii) Negative	24,747

Dr. A. P. Rao
 Medical Superintendent,
 Group of T. B. Hospitals

Seth A. J. B. Municipal E. N. T. Hospital

HIGH LIGHTS :

					Rs.	P.
I— (A) 1. On In-Patient	...	...	...	...	15,51,959.13	
2. On Out-Patient	...	...	...	...	7,75,979.56	
(B) Average Cost :						
1. Per In-Patient per day ...	...	...	...	...	76.27	
2. Per In-patient admission	...	...	...	...	290.79	
3. Per Out Patient attendance	...	...	...	...	5.87	
4. Per Out Patient admission	...	...	...	...	12.24	

II.—Results :

(A) 1. Scheduled Bed Strength	...	...	...	...	100
2. Daily Average In-patient in wards	...	...	...	...	55
3. Admission including those brought over previous year (5286+51).	...	...	...	...	5,337
4. Patients Discharged	...	...	...	...	5,260
(i) as Cured	...	...	...	...	—
(ii) as Unchanged	...	...	...	...	—
(iii) as Left against Medical advice	...	...	...	...	12
(iv) Expired	...	...	...	...	4
(v) Patients Remained in the hospital on last day of the year	...	...	...	...	61
5. Average stay of the In-patients (In days)	...	...	...	...	4.03
(B) 1. Patients (New)	...	...	...	...	63,365
2. Daily average of Out patients(new)...	...	...	...	...	207
3. Out Patients (New & Old)	...	...	...	...	1,34,048
4. Daily average of Out Patients attendance	...	...	...	...	439

Seth A. J. B. Municipal E. N. T. Hospital.

The Municipal Ear, Nose & Throat Hospital which was started in December 1962 at Improvement Trust Building has been renamed as Seth Atmasingh Barkebihari Municipal E. N. T. Hospital.

The Scheduled bed strength of the hospital is 100 and all the beds were commissioned for patients admitted in the hospital during the year. The highest number of patients admitted on a single day 32 (on 7th Jan.) and the highest number of Out Patients attending on a single day was 603 (22nd Sept.) during the year. 4,545 Operations were performed on In-patients. In Pathology Department Work load of 1980. Clinical Pathology 21,661, Bio-Chemistry 897, Culture 42, Histopathology, 1,003. 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 9,051 audiograms including 3,251, post Operative audiograms were recorded. 320 Speech Therapy cases were treated. IN RADIOLOGY DEPARTMENT 4,212 patients came for X—Rays, 6,828 x-rays were taken, 5,061 films were used for x-rays. 1,002 Screening were done during the year.

Since August 1978, a Medico Social Worker has been appointed at this hospital. The work carried out by the Dept. is given below.

Month	Deaf Child	Deaf Adult	Cancer	T. B.	Miscellaneous
January	9	19	10	11	9
February	5	14	6	14	12
March	10	12	8	12	7
April	6	16	11	17	13
May	11	18	7	15	9
June	6	11	5	17	5
July	8	13	9	19	7
August	9	17	14	12	12
September	11	27	8	20	9
October	13	36	11	21	17
November	6	21	5	11	10
December	7	17	8	16	5
Total	101	221	102	185	115

An amount of Rs.12,003.36. was collected through the poor Boxes during the year. Tracheostomy tubes blood and teflon pistons were provided to the poor and deserving patients at part or full cost through Poor Box Fund.

The Medical staff consisted of Six Honorary Surgeons, Three Honorary Assistant Surgeons (Part-time), 5 E. N. T. Registrars, 5 House Surgeons, 1 (PT) Anaesthetist, 2 Jr. Assistant Medical Officers, 1 Pathologist (P. T.) (1 Radiologist).

Nursing Staff consisted of 1 Sr. Sister, 6 Sisters, & 26 staff Nurses.

Rs. 11,34,378.93 have been spent on establishment of the hospital during the year.

Classification of O. P. D. :

Sex	New O.P.D.	Old O.P.D.	Total Attendance
Male	20,617	25,291	45,908
Female	21,948	22,552	44,500
Male-Child	10,658	12,578	23,236
Female Child	10,142	10,262	20,404
Total	63,365	70,683	1,34,048

Classification of Indoor Patients:

Sex	Admitted	Discharged	Died	Remained in the hospital.
Male	2,183	2,148	2	33
Female	1,475	1,455	1	19
Male-Child	876	871	...	5
Female-Child	803	798	1	4
Total	5,337	5,272	4	61

DR. (Smt.) S. C. BASRUR,
Assistant Medical Officer.

Seth V. C. Gandhi and M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar

Outline of the report to be furnished-Administrative Report for the year 1980.

Name of the Hospital :—

Highlights : I—Expenditure.

			Rs.
(A)	(1) On in-patients	.. .. .	92,64,643
	(2) On out-patients.	.. .. .	46,32,321
(B)	Average Cost per.		
	(1) In-patient per day.	.. .. .	53.83
	(2) Out-patient per day	.. .. .	4.38

II—Results-In-patients

(A)	(1) Scheduled Bed Strength	.. .. .	537
	(2) Daily average in-patient in wards.	.. .. .	473
	(3) Admissions including those brought over from previous year.	.. .. .	32,306
	(4) Number of patients discharged as	.. .. .
	(i) Relived	.. .. .	10,000
	(ii) as cured	.. .. .	9,383
	(iii) Otherwise	.. .. .	10,766
	(iv) Expired	.. .. .	1,666
	(v) Remained in the hospital on the last day of the year.	.. .. .	485
	(vi) Daily average number of admissions.	.. .. .	89
	(vii) Average stay of in-patients	.. .. .	5 days.
	(viii) Highest number of in-patients on a single day.	.. .. .	565

(B) Out patients.

(i) New Out patient attendance	.. .. .	1,41,768
(ii) Daily average number of new out-patients.	.. .. .	475
(iii) Highest O. P. D. attendance on a single day.	.. .. .	745
(iv) No. of casualty attendance.	.. .. .	58,875

(C)	(i) Operation on in-patients.	.. .. .	14,807
	(ii) Operations on Out-patients.	.. .. .	9,563

(D) Confinements

(i) Booked cases	.. .. .	10,738
(ii) Emergency cases	.. .. .	67
(iii) Normal	.. .. .	7,507
(iv) Abnormal	.. .. .	587
(v) Left before delivery	.. .. .	505

Neo-natal and Maternal deaths—

(i) Maternal deaths.	.. .. .	15
(ii) Neo-natal deaths.	.. .. .	42
(iii) Still-Births.	.. .. .	259
(iv) Premature live born in fants	.. .. .	183

Specialised treatments.

(i) Sterilization (Male)	.. .. .	5
(ii) Sterilization (Female)	.. .. .	1,272
(iii) I. U. C. D. (inserted)	.. .. .	203
(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.		

Name of the diseases	No. of cases	Deaths
(1) Infectious Hepatitis.	Nil.	Nil.
(2) Gastro Enteritis and Colitis.	7	Nil.
(3) Pulmonary Tuberculosis	12	Nil.
(4) Diabetes Mellitus	3	Nil.
(5) Diseases of Aortic valve.	2	Nil.
(6) Diseases of Mitral valve.	5	Nil.
(7) Essential Benign Hypertention	9	Nil.
(8) Acute Myocardial infarction	Nil.	Nil.
(9) Left Ventricular Failure.	Nil.	Nil.
(10) Heart block	Nil.	Nil.
(11) Acute Upper Respiratory infection of multiple or unspecified sites.	1	Nil.
(12) Chronic Bronchitis.	Nil.	Nil.
(13) Asthama.	1	Nil.
(14) Anaemia of Pregnancy	35	Nil.
(15) S. T. D.	Nil.	Nil.
(16) Food Poisoning.	Nil.	Nil.

Highlights :—**Hospital—**

Total expenditure including liabilities—Rs. 1,38,96,964.00.

Indoor patients :

No. of beds—548.

No. of inpatients—32307.

Daily average number of in patients—473 (excluding 15 of Sarvodaya Hospital.)

Daily average No. of admissions—89.

Highest number of admissions on a single day—150.

Highest number of inpatients on a single day—565

Number of patients discharged during the year, including—467 brought over from the the previous year—31,839.

Deaths—1,666.

Break up.—Within 24 hours—837, after 24 hours but within 72 hours of admission—335
Exceeding 3 days—494.

Operations—Indoor patients—14807.

Deliveries :

No. of Booked cases—10938; No. of sterilizations (female) 1272.

No. of deliveries—8094; No. of sterilizations (Male) 5

Maternal deaths—15. Baby deaths—42.

Medical termination of pregnancy —564. Baby still births—259.

Average cost per inpatient—Rs. 53.83. Per outpatient—Rs. 4.38.

Outpatient department—

No. of O. P. D. attendance (New cases)—1,41,768.

Daily average O. P. D. attendance (New cases)—464.

Highest No. of attendance on a single day (New)—745.

No. of casualty attendance—58875.

Dogbite cases—2,937 (New).

Municipal Dispensary—3,666 (New).

Court cases attended by R. M. Os—194 (Metropolitan magistrates)

Sessions court—62. Direct address to R. M.Os—9.

Claims Tribunal Court attended by clerk—30.

This hospital continued to render medical relief to the sick in the north east suburbs of Bombay.

Dr. M. J. Nerukar, M. S. and Dr. (Smt.) V. M. Jaisinghani held the posts of Medical Superintendent and A. M. O. (Administration) respectively during the year.

This hospital runs the following departments :—

(1) Medical including E. C. G. facilities, (2) Surgical including minor surgery, (3) Paediatrics, (4) Gynaecology and Obstetrics including Antenatal and Postnatal clinics, (5) E. N. T. (6) Orthopaedics, (7) Skin and V. D. (8) Ophthalmology, (9) Phychiatry O. P. D. (10) Dental O. P. D (11) O. T. and P. T. (12) Blood Bank (13) Pathology Laboratory, (14) Family Planning, (15) Audiology and Speech therapy, (16) Evening Dispensary (Municipal Staff 6.30 to 8 P.M. daily except Sundays and Bank Holidays). (17) Anti rabic (2 to 3.30 P. M. daily except Sunday and Bank Holidays) (18) Casualty, (19) Radiology, (20) International Health Certificates (daily except Sundays and Bank Holidays) (21) M. S. W. department, (22) School Clinic, (23) T. B. Clinic, (24) Immunization Clinic (9 A. M. to 11 A. M.) (25) Intensive Care Unit with separate Ward for cardiac Cases.

Immunization :	1st	2nd	3rd	Total
Triple Vaccine.	2036	1406	1225	4667
Polio Vaccine	2125	1495	1203	4823
B. C. G. Vaccine	7525			

International certificates and immunizations—2 to 3.30 P. M. (Daily except Bank Holidays, Saturdays and Sundays).

Anti Cholera	1508	
Small Pox	1115	(International)
	8994	(Primary).
T. A. B.	9	

Nutrition Project ;

Under the auspices of the department of paediatrics of this hospital, a pilot Nutrition Rehabilitation project was launched towards the International year of the child 1979, as analysis of death, in children undertaken for the year 1978 revealed that malnutrition was directly or indirectly responsible with almost 90% children death.

Aims and Objects of the Project :

- (i) To lower the mortality and morbidity related to Malnutrition.
- (ii) Rehabilitate malnourished children.
- (iii) Prevent P. C. M. in other siblings.
- (iv) Educate mothers on child within their resources.
- (v) It can be practiced as an Out-door management.
- (vi) To reduce hospital cost in terms of money and staff.

The Project included 24 children in 22 families mostly slum dwellers 13 of these children were males and 11 female. The project analysis shows that correction of malnutrition is prophylaxis against intercurrent diseases and health education is an important measure in the project.

PATHOLOGY DEPARTMENT

Department-wise yearly workload of 1980.

Bacteriology

Gram Stain.	11,175	Pericardial Fluid culture.	8
AFB Stain	1,468	Hydrocele Fluid Culture :	3
Albert Stain	410	Sinoveal Fluid culture.	4
Clot Culture	5,404	Wound Swab	16
Blood Culture	1,088	Umilical Swabs	59
Pus Culture	821	Ulcer Swabs	5
Urine Culture	1,614	Bronchial aspiration	5
Sputum Culture	591	Nasal Swab	7
CSF Culture	963	Pharyngeal Swab	3
Stool Culture	388	O. T. Sterility (Swabs)	Nil
Throat Swab	392	Blood Bank VDRL	2,145
Eye Swab	67	Blood Widal	1,282
Ear Swab	118	Blood VDRL	7,029
Antibiotic Sensitivity Test	2,347	CSF VDRL	85
Urethral Smear	75	Blood Paul Bannel	6
Biochemical Test	2,347	R. A. Test	247
Pleural Fluid Culture	241	Pregnancy Test	219
Peritoneal Fluid Culture	24	Casoni's Test	3
Ascitic Fluid Culture	59	CSF Widal	5
Vaginal Swab	15	PANC VDRL	385
Gastric Fluid Culture	5		

SEROLOGY

Normal Saliv From O. T.	5	Dressing Swab	8
Scalp Swab	4	Fungal Culture	12
Preprecial Swab	7	Cervical Swab	5
Perineal region Swab	3	Dental	2
Knee aspiration	7	Liver abscess	14
Catheter HP	6	Rectal	43
Suture Swab	8	Boil Swab	2
Labial Majora	3	Granular tissue	3
Herneal Fluid	2	Oral	2
Valva Swab	4	Discharge	5
Nail Swab	13	Lesson	2
Abdominal tapping	3	Cystic Fl.	5
Gas Gangrene Swab	22	Subdural	3
Harying drop	8	Miscellaneous Swabs and Fluids	40
Cat gut	2	Blood bottle for Culture:	30
Gonococcal Culture.	8	Bile	1

BIOCHEMISTRY :

Blood Sugar	15,420	Alkaline Phosphatase	1,193
Blood urea	5,394	C. S. F. Sugar	84
Serum Cholesterol	1,855	Electrolytes	2,130
Serum Bilirubin	1,628	Serum amylase	66
G. A.	52	S. Uric acid	264
S. G. O. T.	2,280	Serum albumin	1,556
S. G. P. T.	2,280	Blood Gas Analysis	46
Serum Protein	1,556		
Serum creatinine	2,612		

O. P. D. Indoor routine work.

(1) Hb.	16,479	(5) Stool	6,552
(2) W. B. C. TC.	14,024	(6) Semen	811
D. C.	13,385	(7) A. N. C. Hb.	81,058
(3) F. S. R.	10,640	(8) Sputum	6,679
(4) Urine	16,702		

Haematology

Hb.	3,847	Osmotic fragility	17
W. B. C. T.C.	3,847	Bone Marrow	51
DC.	3,847	Sickle Cell test.	50
E.S.R.	2,568	Bleeding time.	905
PCV	627	Clotting time.	905
Complete Haemogram	493	C. S. F.	310
Haemoglobin	493	Fluids	192
Total W. B. C.	493	L. E. Cell	74
Count		Proteins	502
Diff. W. B. C. Count	493	Sugar	310
R. B. C. Count.	444	Serum Electrophoresis	89
P. C. V.	493	Hb Electrophoresis.	30
Reliculocyte count	496	Urine Electrophoresis	13
Platelet count.	409	Fetal Haemoglobin	30
Prothrombin time	387		
Prothrombin Index	387		

T. B. Clinic.

Hb.	2096
CBC	2081
E.S.R.	3,410
Urine	1,872
Sputum	7,876

Cytology

Fleurecil Slides.	200
-------------------	-----

Histopathology

Total Slides.	4,939
Total blocks	4,470

School clinic.

Hb	539	Urine	252
W.B.C. TC	455	Stool	201
DC	455	C.T.	87
E.S.R.	100	B. T.	87
		Others	16

BLOOD BANK

Throughout the year 16 blood collection drives were arranged at various areas of Bombay right from V. T. Station to Ambarnath with the help of various organizations, Colleges and Institutions. Once again the credit goes to Somaiyya Colleges of Arts and Commerce for donating the maximum amount of Blood Bottles.

Due to R. M. Os strike in January 1980, the Blood Bank had to send 249 blood bottles for plasma processing at Haffkine Institute. This year 520 blood bottles were sent to other Hospital as against 129 blood bottles which were brought from other Blood Banks.

This year replacement Donors and Voluntary Donors showed marked increase.

Blood Bottles Collection :—

1. Voluntary Donors	1,113
2. Replacement Donors	765
3. Blood brought from other hospitals	12
Total	2,007

Utilisation of Bottles

(1) Blood Bottles sent to other Hospital	..	..	..	..	..	520
(2) Blood Bottles utilised for the hospital	..	..	..	..	..	1,644
(3) Blood Bottles sent for plasma processing at Haffkine Institute.	..	..	..	..	..	249
Total						2,413

RADIOLOGY DEPARTMENT

1. Total No. of patient's investigated :—						
Indoor	..	..	..	..	..	12,011
Outdoor	..	..	..	..	..	15,411
Total						27,422
2. Barium studies :—						
(a) Ba. meal	..	..	..	..	..	287
(b) Ba. Swallow	..	..	..	..	..	170
(c) Ba. enema	..	..	..	..	..	61
3. Other special investigations :—						
(a) I. V. P.	..	..	..	..	..	259
(b) H. S. G.	..	..	..	..	..	54
(c) Oral cholecystogram	..	..	..	..	..	12
(d) Intravenous cholangiogram	..	..	..	..	..	11
(e) Myelograms	..	..	..	..	..	20
(f) Bronchograms	..	..	..	..	..	12
(g) Urethrograms	..	..	..	..	..	54
(h) Splenoportograms	..	..	..	..	..	6
(i) Operative cholangiogram	..	..	..	..	..	24
(j) Sinograms	..	..	..	..	..	14
(k) Silogram	..	..	..	..	..	7

INTENSIVE CARE UNIT :

The Intensive Care Unit was started at this hospital from May 1979. Cases were transferred to I. C. U. from all the other Departments. Only trained nursing staff and doctors are posted in the unit for work. The cases admitted during the year as follows :—

Indoor admission	675
Indoor attendance	2365

ELECTROCARDIOGRAM SECTION :

E. C. G. Diagnosis :—						Total
1. WNL	..	..	..	..	..	3,319
2. IHD	..	..	..	..	..	1,495
3 Hypertension	..	..	..	..	..	817
4. Hypertrophy	..	..	..	..	..	101
5. S. Tachycardia	..	..	..	..	..	302
6. S. Bradycardia	..	..	..	..	..	089
7. S. Arrythmia	..	..	..	..	..	041
8. Corpulmonale	..	..	..	..	..	120
9. Chest pain	..	..	..	..	..	605
10. CCF	..	..	..	..	..	310
11 VSD	..	..	..	..	..	074
12. ASD	..	..	..	..	..	033
13. Angina pectoris	..	..	..	..	..	048
14. Anaemia	..	..	..	..	..	096
15. Rh. H. D.	..	..	..	..	..	020
16. PDA	..	..	..	..	..	005
17. Miscellaneous	..	..	..	..	..	499
18. Heart-block	..	..	..	..	..	053
19. Deviation	..	..	..	..	..	030
20. Diabetic	..	..	..	..	..	169
21. AF	..	..	..	..	..	097
22. Pericarditis	..	..	..	..	..	013
23. Dextrocardia	..	..	..	..	..	005
24. WPW Syndrome	..	..	..	..	..	007
25. Cong. H. D.	..	..	..	..	..	009
26. D. M.	..	..	..	..	..	007
27. Mitral H. D.	..	..	..	..	..	075
Total						8,438

PHARMACY

Total quantity of preparation for Indoor and Outdoor patients

1. Quantity of stock solution preparation	.. .. .	..	..	..	..	979 Litres.
2. No. of packets of tablets made	.. .. .	..	..	..	..	59,70,315
3. No. of packets of powder prepared	.. .. .	..	..	..	..	68,965
4. No. of prescription account kept (O. P. D.)	.. .. .	..	..	..	Nos.	93,314
5. Special prescriptions attended	.. .. .	..	..	..	..	Nil
6. Special prescriptions where special drugs issued and account is kept.	.. .. .	..	..	..	..	Nil
7. Syrup simplex	.. .. .	..	..	..	..	Nil
8. Stock mixture preparations	.. .. .	..	..	..	..	23,998 Litres
9. Ointments prepared	.. .. .	..	..	..	..	360 Kgs.

MEDICO SOCIAL WORKERS (GENERAL SECTION-I)

I Total No. of cases referred during the year 1980 under different categories.

Categories	New patients	Old patients
(i) Pradiatric cases for nutritional Clinic & Skimmed milk powder.	62	100
(ii) Medical Aid	657	926
(iii) Blood Bank cases	2	5
(iv) Orthopaedic cases for appliances	15	33
(v) Unmarried mothers and for M. T. P. cases	25	79
(vi) Skin & V. D.	2	2
(vii) Misce, (i.e. for other reasons such as adoption job & case work etc.)	16	50
Total	779	1,195
II Cases Carried over	18	
III Case work done on No. of cases	13	
IV No. of Social Service Institutions and Agencies contacted for donations and other material help	11	
V No. of employees seen	2	
VI No. of Blood donation drive attended.	12	
VII Handed the N. S. S. project of		
(i) Somaiya college of Arts & Commerce.		
(ii) Somaiya College of Science		
(iii) Smt. P. N Doshi womens College Recetion projects like decoration on Divali & Christmas eve are arranged with the help of N. S. S. students.		
VIII The Social worker attends Psychiatry O. P. D. from Monday to Friday from 1.30 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 care work and counselling		

GENERAL SECTION—II

	Work Done
(1) No. of cases referred during the year,	281
(i) Cases carried over	21
(ii) Blood Bank cases handled	3
(2) Case work done in number of cases	5
(3) Medicine supplied in number cases	18
(4) Orthopaedic appliances supplied in number of cases	79
Implants (S. P. pains and screws) provided	10
(5) No. of institution visited	3
(6) Home visit paid	6
(7) No. of employers seen	3
(8) No. of paediatric cases referred to Nutritional Clinic project	70
(9) Discharged patient's problem (ie.) referred for escort to their homes	35
(10) Interview and follow up of V. D. Patients by tracing contact	1630
(11) Health education for Scabbies patients	21

L. S. Belt crutches abdominal binder and calipers were provided to orthopaedic patients by recovering 50 to 60% cost of the appliances according to their per capital income and socio economic conditions and the rest was made good from the Poor Box Fund.

In very poor and deserving cases of low socio economic group the appliances were given free of cost. In many cases help of Social Institutions such as Narayan Seva Mandal, Anand Relief Fund or Abhilasha Mandal was sought for defraying some of the cost toward these costly appliances.

AUDIOLOGY AND SPEECH THERAPY

This department has got following instruments to carry out its Diagnostic work and therapeutic work :—

1. Audiometer—(1) Puretone (2) Impedance.
2. Hearing aid.
3. Teaching aids.

Cases are referred for audiological investigations, hearing aid counselling and speech therapy. Cases of stammering dyslalia, voice disorders, dysarthrias, cerebral palsy cleft plate, mentally retarded, aphasia, etc., are also seen and treated in the department :—

Cases attended— Audiograms	..	705
Speech cases	..	86

OCCUPATIONAL THERAPY AND PHYSIO THERAPY

Analysis Indoor attendance	..	..	..	..	..	..	51,440
O. P. D.	..	..	..	..	..	..	48,862
Sarvodaya Hospital	..	..	..	..	..	..	1,134
							1,01,436

FAMILY PLANNING

(1) Persons contacted for F. P. education	..	..	..	..	..	..	23,238
(2) No. of cases given advice	..	..	..	..	..	..	4,770
(3) No. of active cases following F. P methods	..	..	..	..	..	..	3169
(4) Clinic attendance	..	..	..	..	..	..	4,833
(5) No. of persons visited at home	..	..	..	..	..	..	19,340
(i) New contacted	..	..	..	..	..	..	4,200
(ii) Follow up	..	..	..	..	..	..	3,680
(6) Vasectomy	..	..	..	..	..	..	5
(7) T L.	..	..	..	..	..	..	1,272
(8) C-13,990 No of Jelly-6	..	..	..	..	..	..
(9) I. U. C. D.—203	..	..	..	..	..	..
(10) Oral Pills—419	..	..	..	..	..	..
(11) M. T. P.—564 Total meeting held 108. General-7 Group—101. No. of persons attended-5,400 General—200. Group-5,190.							

LIBRARY

The total number of books added to the library during the year 1980 was 103 as against 34 during the previous year. 10 Books are to be received. The library had subscribed towards 30 medical journals as against 35 in the previous year.

The library had at the end of the year 809 books as against 706 during the previous year, 22 journals were received regularly and remaining 8 are to be received.

SCHOOL CLINIC

The school clinic looks after children from the Municipal Corporation Schools surrounding this hospital.

The analysis of the boys and girls treated at this hospital school clinic is as follows :—

Department	New cases	Old cases	Indoor cases admitted
Paediatric	961	5466	6
Ophthalmic	413	1501	1
E. N. T.	410	1777	9
Skin	304	1189	..
Dental	584	1850	..
Surgery	10	25	..
Orthopaedics	12	20	2
T. B.	20	20	..
Total	2714	11848	18

T. B. CLINIC

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 follows :—

New patients

1700

Old patients.

18492

Patient's transferred to T. B. Hospital=99.

PSYCHIATRY O. P. D.

The Psychiatry O. P. D. was started in October 1978. The old and new patients are examined and treated at the O. P. D. No. 13(A) between 1-30 P.M. and 4-00 P.M. as follows :—

New Cases .. Monday, Wednesday, Friday.
Old Cases .. Tuesday, Thursday.

Referred Cases from Wards .. Tuesday, and Thursday.

The No. of new patients treated as follows :—

Sex	YEAR	
	1979	1980
Male Child upto 10 Years	6	14
Female Child	6	11
Male	468	600
Female	481	813
Total	961	1448

Total No. of old patients seen in the O. P. D.

Year.	No. of patients	No. of Inpatients.
1979	1802	183
1980	4634	246

Table showing diagnosis wise distribution of the patients during 1980.

Diagnosis	No. of patients;
Psychosis—	
(a) Schizophrenia	148
(b) M.D.P. (i) Mania	10
(ii) Depression	199
(c) Organic Psychosis	38
(2) Neurosis	
(a) Anxiety Neurosis	98
(b) Hysterical Conversion Reaction	58
(c) Neurotic Depression	688
(3) Personality Disorders and addictions	23
(4) Psycho-somatic disorders	5
(5) Epilepsy	48
(6) Mental Subnormality	29
(7) Miscellaneous	23
(8) Psychiatric diagnosis	35
(9) No. of cases in which Psychiatric diagnosis could not be arrived at	56
Total	1458
Other treatment given—	No. of patients
(1) E.C.T.	190 (Called on Monday and Friday)
(2) Social Case Work	79

Highlights during the year under report (comparison between 1979-1980)

No. of inpatients is increased from 30,781 to 32,307,

Daily average of inpatients has increased from 458 to 473 and total indoor attendance increased from 1,67,256 to 1,72,100. The O. P. D. attendance (new) including casualty, anti-rabic and municipal stall dispensary is decreased from 2,06,734 to 2,00,643. The daily O. P. D. average of new patients is also decreased from 475 to 464. This may be on account of opening more dispensaries, maternity homes and hospitals in the surrounding area of this hospital.

The no. of operations has been decreased from 1,50,40 to 1,48,07. The total expenditure has been increased from Rs. 1,30,45,630 to Rs. 1,38,96,964.

The staff of this hospital is as below :—

Medical	..	108	Paramedical and others	87
Nursing	..	207	Administrative	36
			Labour	377

Poor Box Fund Collection :

Donations received.	..	..	Rs.	
Amount collected from the boxes.	..	..	1,171.00	
Amount spent from the fund for the poor patients.	..	..	12,673.00	
Amount spent on appliances to poor patients.	..	..	900.00	
Amount spent on medicines to poor patients.	..	..	30,000.00	
	..	..	8,000.00	

FUTURE DEVELOPMENT

(1) Centralized Ambulance Service	}	Plans are being formulated and token provision for funds has been made.
(2) New Mortuary Block		
(3) Centralised Store Bldg.		
(4) Expansion of the hospital to accommodate the hospital O. P. Ds.		

The work of Construction Coroner's Court at this hospital cannot be taken up in hand as the plot is encumbered with hutments. Similarly the proposal to start nurses training school also cannot be proceeded with unless student nurses quarters' class room and family quarters for the staff are constructed. The plot for this is also encumbered by hutment dwellers.

Provisions for purchase of following equipment and works made under plant and machinery in the loan works budget estimates for 1980-1981 has not yet been received.

Purchase of operating microscope	..	Rs.	1,00,000.00
Purchase of pick up van.	..	80,000.00	
Airconditioning of Radiology Deptt., in S. V. K. building.	..	1,50,000.00	
Additional ambulance for Rajawadi Hospital.	..	1,00,000.00	
Import of auto-analyser.	..	6,00,000.00	

DEFICIENCIES AND SHORTCOMINGS :

The existing O. P. Ds, are still not well situated and results in overcrowding. This is some what controlled by segregating Gynaec and Obst. O. P. Ds. temporarily since 1978. Many of these ground floor structures are deficient in ventilation, leak heavily in monsoon and become hot and stuffy in hot seasons.

The Medical Records Department is hampered for want of adequate place for its smooth function. A proposal to house it in a shed to be constructed on the terrace of the old hospital building as a temporary measure, has been turned down by the architect as the building is old. Efforts are still being made to erect a shed on the terrace with support of walls and at least use it as a record room for medical record department which also is required to be given on urgent basis.

There is a dearth of qualified and full trained nurses and anaesthetists at this hospital. The R. M. Os quarters need to be expanded to accommodate more doctors for its expanding activities.

APPENDIX No. I

Distribution of beds according to departments and Sex.

Department	Male	Female	Children	Total
Medical	34	35	..	69
Surgical	35	27	..	62
Burns	..	12	..	12
Gynaecology.	..	51	..	51
Obstetrics.	..	108	..	108
Pediatrics	..	..	76	76
Ophthalmic.	20	13	..	33
Skin & V. D.	10	10	..	20
E. N. T.	16	15	..	31
Orthopaedics.	19	20	..	39
Emergency.	7	4	..	11
I. C. U.	7	4	..	11
Side Rooms	8	2	..	25
Medical	..	..	..
Surgical	2	..	..
Obstetrics.	..	2	..	
Gynaec	..	9	..	..
Orthopaedics	1	1	..	..
Total	159	313	76	548

APPENDIX No. II.

No. of accident cases treated.

Sex.		Treated in Casualty Department 1980	Admitted through Casualty Department.
Male		14,134	1,628
Female		3,287	831
Children	Male	2,234	604
	Female	986	292
Total		20,741	3,355

APPENDIX No. III

Statement Showing the out-patients (New O. P. D. Casualty) in Rajawadi Hospital during the year 1980, 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	19195	16129	..	..	35324	7370	4058	..	..	11428
Surgical	9155	3474	2768	1681	17078	14369	3822	2694	1256	22141
Ophthalmic	2957	2260	574	411	6202	980	109	80	45	1214
Gynaec.	..	8402	..	..	8402	..	3547	..	2	3549
Skin and V. D.	7285	3231	4064	3204	17784	176	54	50	39	319
E. N T.	1911	1835	1091	853	5690	534	283	316	223	1356
Orthopaedics	2688	1729	848	595	5860	2391	672	964	450	4477
Paediatrics.	..	..	12337	10437	22774	..	..	4466	3113	7579
Maternity	..	11852	..	..	11852	..	..	..	..	..
New Born	..	..	1297	1253	5090	..	..	..	..	..
Anti Rabie	..	..	..	..	..	1268	462	918	289	2937
Dental	2680	2562	926	658	6826	90	65	15	12	182
Psychiatric.	610	785	17	14	1426	..	..	..	..	..
Burn	..	..	..	..	..	6	12	5	4	27
Total	46481	52259	23922	19106	141768	29034	13949	10014	5878	58875

APPENDIX.—IV.

Summary of In-patients classified according to Department and Sex.

Deptt.	Sex.	In the hospital on the midnight of 31-12-1979	Admitted during the year.	Total	Discharged		Death	Remaining in the hospital on the midnight of 31-12-1980
					cured	Otherwise		
1.	Medical							
	Male	41	2819	2860	327	2201	285	47
	Female	31	1929	1960	209	1573	155	23
	M/ch.	..	3	3	..	3	..	..
	F/ch.	..	..	..	..	..	..	..
	Total	72	4751	4823	536	3777	440	70
2.	Surgical—							
	Male	47	2473	2520	424	1970	86	40
	Female	12	692	704	99	537	47	21
	M/ch.	5	524	529	96	416	11	6
	F/ch.	5	212	217	46	161	6	4
	Total	69	3901	3970	665	3084	150	71
3.	Ophthalmic—							
	Male	15	521	536	146	372	..	18
	Female	18	429	447	111	322	..	14
	M/ch.	1	44	45	10	34	..	1
	F/ch.	1	28	29	5	23	..	1
	Total	35	1022	1057	272	751	..	34
4.	Gynaec—							
	Female	38	1942	1980	405	1522	4	49
	M/ch.	..	4	1984	405	1526	..	..
	Total	38	1946	1984	405	2526	4	49
5.	Skin & V.D.—							
	Male	10	127	137	30	101	..	6
	Female	4	56	60	16	41	..	3
	M/ch.	1	18	19	5	13	..	1
	F/ch.	1	8	9	6	3	..	..
	Total	16	209	225	57	158	..	10
6.	E. N. T.—							
	Male	5	277	282	88	180	1	13
	Female	7	212	219	44	166	2	7
	M/ch.	2	112	114	43	69	1	1
	F/ch.	1	77	78	27	48	..	3
	Total	15	678	693	202	453	4	24
7.	Orthopaedics							
	Male	39	834	873	52	783	12	26
	Female	20	274	294	18	252	11	13
	M/ch.	4	292	296	17	271	1	7
	F/ch.	6	135	141	14	125	..	2
	Total	69	1535	1604	101	1431	24	48
8.	Paediatrics—							
	Male	30	3431	3461	82	2977	363	39
	Female	19	2593	2612	50	2205	338	19
	Total	49	6024	6073	132	5182	701	58
9.	Maternity—							
	Female	71	10722	10793	7000	3673	15	105
	Total	71	10722	10793	7000	3673	15	105
10.	Burns—							
	Male	7	13	20	..	1	16	3
	Female	9	180	189	6	66	114	3
	M/ch.	7	105	112	5	86	16	5
	F/ch.	3	85	88	2	60	20	6
	Total	26	383	409	13	213	166	17
11.	I. C. U—							
	Male	5	472	477	..	360	114	3
	Female	2	196	198	..	148	48	2
	M/ch.	..	..	..	..	..	..	..
	F/ch.	..	..	..	..	..	..	..
	Total	7	668	675	..	508	162	5
	Grand Total	467	31839	32306	9388	20767	166	491

APPENDIX—V.

Cost per in patient and out patient per day.

Year.	Establishment.	Contingencies.	Drugs and Medicines	Diet	Stores and Linen	Repairs Maintenance Special Repairs New Works.	Total.
In-Patients.							
1979	16.49	3.68	13.45	4.58	2.14	0.73	41.07
1980	20.02	6.75	15.81	4.70	6.15	1.00	53.83
Out-patients.							
1979	2.30	0.50	1.99	..	0.30	0.16	5.25
1980	2.00	0.43	1.79	..	0.10	0.06	4.38

K. B. Bhabha Hospital, Bandra.

This hospital continued to render medical relief to sick in H-Ward area. Dr. (Smt.) P. S. Paralkar, M. D. D. G. O. held the post of Medical Superintendent during the year.

High Lights :

I — Expenditure—		Rs.	65,01,048.00
(A)	1. On inpatients	Rs.	34,49,268.00
	2. On out-patients	Rs.	30,51,780.00
(B)	Average cost per—		
	1. In-patient per day	Rs.	54.94
	2. Out-patient per day	Rs.	3.46

II — Results—In-patients

(A)	1. Scheduled Bed Strength		204
	2. Daily average in-patients		172
	3. Admissions including those brought over from previous year.		11,961
	4. Number of patients discharged as		
	(i) Relieved		10,445
	(ii) as cured		00,800
	(iii) Otherwise		149
	(iv) Expired		406
	(v) Remained in the hospital on the last day of the year		161
	(vi) daily average number of admissions.		32
	(vii) Average stay of in-patients (in days)		172
	(viii) Highest number of in-patients in a single day ..		206 on 29-11-80

(B)—Out-patients—

(i)	New out-patient attendance		1,86,849
	(ii) Daily average number of new outpatients.		619
	(iii) Highest O. P. D. attendance on a single day ..		3,639 on 14-4-80
	(iv) No. of casualty attendance		41,701

(C)	(i) Operations on in-patients		2,079
	(ii) Operations on out-patients		9,693

(D)—Confinements—

(i)	Booked cases		3,790
	(ii) Emergency cases		60
	(iii) Normal		3,318
	(iv) Abnormal		472
	(v) Left before delivery		238

Neo-natal and Maternal deaths :

(i)	Maternal deaths		3
	(ii) Neo-natal deaths		Nil.
	(iii) Still births		92
	(iv) Premature live born infant		168

Specialised treatments :

(i)	Sterilization (Male)		21
	(ii) Sterilization (Female)		433
	(iii) I. U. C. D. (inserted)		103
	(iv) Disease-wise-distribution of cases treated and deaths including tuberculosis & S. T. D. of all forms. There should also be death of food poisoning cases.		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 obstetric 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 between 1.30 p.m. and 3.30 p.m.

Occupational Therapy and Physio-Therapy Patients, were treated as under during the year.

Indoor Patients	..	..	..	..	..	..	1,227
Out door Patients	..	..	..	..	..	..	11,044

Nursing Section—

During the year under reference number of nursing staff working at this hospital 102.

Matron	..	..	..	..	..	..	1
Junior Asstt. Matron	..	..	..	..	..	..	1
Sister Incharges	..	..	..	..	..	..	14
Full trained	..	..	..	..	..	..	22
Auxilliary	..	..	..	..	..	..	57
Mid-wifes	..	..	..	..	..	..	7
							102
Health Visitors	..	..	..	..	..	..	2
							104
						Total	104

Summary of indoor admissions, discharges, death and last remainings classified according to departments.

Department	Admission & last remainings.	Discharges	Transferred to other hospital.	Death	Remaining on 31-12-80
(1) Medical	.. 2261	2035	50	154	22
(2) Surgical	.. 1846	1749	40	42	15
(3) Paediatric	.. 2349	2060	51	210	28
(4) Gynaecology	.. 776	758	6	..	12
(5) Maternity	.. 3850	3770	2	..	78
(6) E. N. T.	.. 459	456	..	..	3
(7) Ophthalmic	.. 356	354	..	..	2
(8) Skin-S. T. D.	.. 64	63	..	..	1
Total	11961	11245	149	406	161

Immunization work done during 1980 as under

Immunization	1st dose	2nd dose	3rd dose	Booster	Total
(1) Triple Vaccination	1575	1074	904	388	3941
(2) Polio-Vaccination	1592	1143	949	446	4130
(3) Tet. Taxoid.	3900	2159	694	..	6753
(4) New born babies given B. C. G.—2801					
(5) O. P. D. 1 to 14 years children given B. C. G. —2375					
(6) Anti cholera					—11960
(7) T. A. B.					—201
(8) Small pox-Vaccination given to New Born babies —1024					
(9) Small pox Re-vaccination					—1260
(10) Domestic visit by two Health visitors					—4824
(11) Well baby clinic					—2037

Issue of authentication of health certificates and immunization against Cholera Small Pox is done between 2.00 and 4.00 p.m. on all week-days except sundays and holidays.

Summary of attendance of Patients

O. P. D. Total attendance	..	..	..	..	8,39,094
Casualty total attendance	..	..	..	..	43,473
Total admissions	..	..	..	..	11,794
New born babies	..	..	1,952 Male	1,898 Female	3,850

Municipal Staff Dispensary

Total number of Municipal staff patients., treated at this hospital as under—	
New Cases	2625
Old Cases	2913
Total attendance	5538

Radiology :

X-Ray department is provided with one 200MA capacity of X-Ray machine and one screening machine. The installation of extra X-Ray machine work is in progress to meet the present requirements.

The work done during the year is as under—

Berium studies :

	Indoor patients	Outdoor Patients
(i) Ba-meal	32	74
(ii) Ba-Swallow	14	28
(i) Ba-Enema	9	7
(iv) I. V. P.	55	59
(v) H. S. G.	4	19
(vi) Oral cholecystography	10	4
(vii) Urethrogram	3	1
Total	127	192

Total No. of patients screened and X-Rayed during the year 10765

Pharmacy :

Pharmaceutical preparation for Indoor and Outdoor patients were made during the year as under :—

(1) Total quantity of stock mixture prepared	11,500 lts.
(2) No. of packet, of tablets made	10,200
(3) No. of packets of powder made	Nil.
(4) No. of prescription account kept	Nil.
(5) No. of preparation where special drugs issued and account kept.	14,279
(6) Stock mixture preparation	82,500 Lts.
(7) Ointment prepared	6500 Kg.
(8) Lotion prepared : Benzyl Benzoate	7,200 Lts.
(9) Lotion prepared : Calamine	6,100 Lts.

Family Planning Clinic :

(1) Persons contacted for F. P. education	3,943
(2) No. of cases given advice	4230
(3) No. of active cases following F. P. advice	1564
(4) Clinical attendance	Nil.
(5) No. of persons visited at home	25,600
(6) Vasectomy done	21
(7) Tubectomy done	433
(8) No. of cases supplied contraceptive jelly	92
(9) No. of cases supplied contraceptive Condomn	28,920
(10) No. of cases supplied contraceptive oral pills	240
(11) No. of M. T. P. done during the year	162

Pathology :

The clinical laboratory of this hospital is running under the supervision of one Hon. Pathologist appointed. The histo-pathology serum electrolyte and liver functioning test were started at this hospital. The report of the various test for the year 1980 is as under :

Blood routine	14,924	SGOT & PT	337
E. S. R.	6,917	C S F	540
P. C. V.	2,250	Body Fluid	220
Urine routine	16,561	Semen	754
Stool routine	7,012	Sr. Profein	395
V. D. R. L.	7,249	Sr. Bilirubin	423
Widal	518	Culture .. .. .	..
BT & CT	127	A. B. Sens, Test .. .. .	..
Grouping	6,670	Gram Stain .. .. .	..
RhoD	6,670	Sputum A F B	856
X-Matching	489	Pregnancy test	338
Blood Sugar	6,835	A N C Hb.	4,270
Blood urea	2,842	Cholesterol	518
Peripheral smear	346	Histopath.	679
L. F. T.	657	Creatinine	299

Blood Bank :

During the course of the year as many as 659 blood bottles were collected and used as under :

No. of blood bottles	..	..	..	..	..	659
No. of voluntary donors	..	..	..	..	..	287
No. of replacement donors	..	..	..	..	..	107
Brought from other hospital	..	..	..	..	..	265
Bottles used for the hospital	..	..	..	..	..	434
Bottles sent to other hospital	..	..	..	..	..	154
Bottles sent for Plasma	..	..	..	..	..	64
Discarded.	..	..	..	..	..	7

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. St. Andrew's Church, Bandra (W)
2. St. Tresa's Church, Bandra (W)
3. M. I. G. Cricket Club, Bandra (E)
4. J. J. College of Arts Hostel, Bandra (E)
5. Bhartiya Janata Party, Bandra (W)
6. St. Petu's church, Bandra (W)
7. Institute of Technical Education, Bandra (E)
8. Sacred Heart Church, Santacruz.

ELECTRIC CARDIOGRAM**E. C. G. Diagnosis during 1980 year as follows :**

(1) Normal 600+513	..	..	..	..	..	1,113
(2) Hyper Tension-260+203	..	..	..	..	..	463
(3) Ischemic heart diseases 450+197	..	..	..	..	..	647
(4) Deviation (Rt. axic and left axic) 95+65	..	..	..	..	..	160
(5) Heart Block (complete+incomplete) 15+2=17	..	..	..	..	..	17
(6) Sinus Tachicardia 49+37	..	..	..	..	..	86
(7) Sinus Brachicardia 25+13	..	..	..	..	..	38
(8) Fell of tetreloy—Nil	..	..	..	..	..	Nil.
(9) Auncular Fibrilator 30+31	..	..	..	..	..	61
(10) Sinus Arythornia 35+11	..	..	..	..	..	46
(11) Hypertrophy 170+183	..	..	..	..	..	353
(12) Cor-puluscelede 46	..	..	..	..	..	46
(13) Anaemia 223	..	..	..	..	..	223
(14) Anguia Petronis 130+17	..	..	..	..	..	147
(15) V. S. D. 15+13	..	..	..	..	..	28
(16) C. C. F.30	..	..	..	..	..	30
(17) A. S. D. 9+3	..	..	..	..	..	12
(18) Chest Pain 237	..	..	..	..	..	237
(19) Rh. heart disease 15+6	..	..	..	..	..	21
(20) Dextro cardia—1	..	..	..	..	..	1
(21) Antic Stenosit-2	..	..	..	..	..	2
(22) Pericardia-3	..	..	..	..	..	3
(23) Diabatic—21	..	..	..	..	..	21
					Total	3,755

Total No. of E. C. G. Taken during 1980 is 3,158

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—27,784.

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.

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.

Metropolitan Magisterial and Session Court cases attended by A. M. Os and C. M. Os during the year as under :—

(1) Metropolitan Magisterial courts cases	..	..	..	..	..	25
(2) Session courts	..	..	..	..	..	5
(4) Coronors Court	..	..	..	..	..	1
(3) Judicial Magistrate Court	..	..	..	..	..	Nil.
(5) Vehicular accident triunal	..	..	..	..	..	Nil.
					Total	31

Type of Medico-Legal work done during the year.

- (1) Consumption of poisonous drugs, liquids etc.
- (2) Minor injuries.
- (3) Assault injuries.
- (4) Vehicular injuries.

Type of cases registered during the year.

Average no. of registered cases per day	Accident	Homicide	Suicide	Others	Total
26	2830	3782	1618	1221	9451

Administrative affiliation.

This hospital is affiliated to B. Y. L. Nair Hospital for the purpose of appointment of honoraries and resident medical staff.

The future project & development of the hospital.

The work of the development of this hospital is proposed to provide the accommodation of 500 cots. The specimens of pile-foundations is already collected and the work is in progress.

The information required in various proforma is compiled in appendix—I-II and III.

APPENDIX-I

Distribution of beds according to the sex.

Serial No.	Dentt.	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
					204

APPENDIX-II

Classification of patients according to Sex

Department	O. P. D. Attendance					Casualty Attendance				
	Male	Female	M/Ch.	F/Ch.	Total	Male	Female	M/Ch.	F/Ch.	Total
Medical	96127	94128	..	..	190255	2666	2466	..	..	5132
Surgical	44916	44880	43801	43270	176867	1820	1792	1706	1665	6983
Skin & S.T.D.	32862	32150	31101	31336	127449	..	..	..	..	..
Paediatric	..	..	77250	76551	153801	..	..	3598	3431	7029
A. R. V.	5101	5017	4980	4974	20072	758	742	690	739	2929
Gynaecology	..	28216	..	..	28216	..	6749	..	..	6749
A. N. C.	..	17295	..	..	17295	..	2761	..	..	2761
P. N. T.	..	..	4695	4575	9270	..	..	1402	1237	2639
O.T.P.T.	3695	3601	3755	3728	14779	..	..	..	..	..
E. N. T.	4308	4260	4202	4200	16970	711	702	652	688	2753
Ophthalmic	3908	3867	3865	3810	15450	756	692	590	610	2648
Dental	6337	6315	6295	6250	25197	..	..	..	..	..
Obstrettric	..	..	..	..	..	..	3850	..	..	3850
	197254	239729	179944	178694	795621	6711	19754	8638	8370	43473
O. P. D. Total attendance	7,95,621									
Casualty attendance	43,473									
Total	8,39,094									

APPENDIX-III

Disease-wise deaths during the year 1980.

Paediatric Unit.

(1) Gastro-enteritis	43
(2) Broncho-pneumonia	38
(3) Pneumonia	10
(4) Bronchitis	4
(5) Bronchopneumonia with C. C. F.	15
(6) Aspiration with pneumonia	8
(7) Stollins with encephalitis	3
(8) Tuberculosis with meningitis.	19
(9) Bronchitis with C. C. F.	14
(10) Anaemia (severe)	4
(11) Merasmus	3
(12) Cardio-respiratory failure	4
(13) Septicemia	9
(14) Pyogenic	4
(15) Post measles with C. C. F.	5
(16) Prematurity	8
(17) Post measles	4
(18) Encephalitis	12
(19) Acute nephritis	3
	<hr/>
	210

Medical :

(1) Cardio-respiratory failure	44
(2) Cerebrovascular accident	15
(3) Hypertension with congestive cardiac failure	22
(4) Anaemia with CCF with hypertension	25
(5) Pulm T. B.	6
(6) Ischamic	8
(7) C. C. F. with Kochs	4
(8) Giddiness with unconsciousness	3
(9) ICC ovary	2
(10) T. B. Meningitis	6
(11) Amebic colitis	4
(12) Hepatic failure with cirrhosis of liver.	4
(13) Severe anaemia with general debility	6
(14) Hepatitis cellure failure	2
(15) CA. stomach with secondaries in liver	3
	<hr/>
	154

Surgical Unit :

(1) Accidental injury	8
(2) Tiseal perforation	12
(3) Acute Hemmerages panicroutitis	10
(4) Post-operative complications	8
(5) Severe pasitoritis	4
	<hr/>
	42
	<hr/>
.. .. . Total number of death	406

P. S. PARALKAR,
Medical Superintendent,
K. B. Bhabha Hospital, Bandra.

Dr. R. N. COOPER MUNICIPAL GENERAL HOSPITAL (JUHU)

In the year 1980-81 Dr. R. N. Cooper Municipal General Hospital, Juhu has completed 10 years services, the hospital 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 from 8-3-76.

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 from 15-10-73 at Dr. R. N. Cooper Municipal General Hospital and continued to hold the said post through out the year under report.

Assistant Medical Officer

Dr. (Smt.) H. A. Mangat, M. B. B. S., is appointed as Assistant Medical Officer from 14-7-1971 and continued to hold the said post through out the year under report.

Honorary Staff

Medical Department.

- (1) Dr. J. C. Doshi, M. D. appointed from 6-10-70 and Promoted as Associate Honorary from 3-1-1975.
- (2) Dr. A. K. Joshi, Honorary appointed from 1-10-78.
- (3) Dr. R. D. Darne, M. D. (Bom), M. R. C. P. (U. K.) F. C. C. P. (U. S. A.) appointed from 2-5-1972 was on study leave from 23-6-73 and has resumed duty from 11-10-75.
- (4) Dr. R. N. Shetty M. D. Assistant Honorary, appointed from 12-4-78.

Surgical Department

- (1) Dr. M. B. Wagle, M. S. F. C. P. S., with a Fellowship in Plastic Surgery of Washington University Medical School, U. S. A., was appointed from 1-10-1970.
- (2) Dr. D. K. Dastur, M. S. (Bom), appointed from 13-6-1972.
- (3) Dr. S. R. Padhye M. S. Assistant Honorary from 1-6-1978.
- (4) Dr. S. V. Shetty, M. S., M. A. M. S., appointed from 14-2-78.

Obst. and Gynaecology Department

- (1) Dr. Sharad H. Shah M. D. (BOM) D. G. O., D. F. P. F. C. P. S. is working as Honorary from 26-7-73.
- (2) Dr. (Smt.) K. S. Shah, M. D. D. G. O. working in Unit I from 1-1-79.
- (3) Dr. S. S. Palnitkar, M. D. (Bom) D. G. O., F. C. P. S., M. R. C. O. G. (Lond) appointed as assistant Honorary from 15-2-1973.
- (4) Dr. A. G. Kale M. D. (BOM) D. F. P. F., C. P. S. was appointed as assistant Honorary from 10-9-73.
- (5) Dr. S. D. Chaubal, M. D. D. G. O., D. F. P. was appointed as from 26-7-1973 Honorary Assistant.
- (6) Dr. S. J. Penkar, M. D. D. G. O., D. F. P., Assistant Honorary appointed from 19-10-1978

Paediatric Department

- (1) Dr. G. S. Hathi M. D. (Paed) D. C. H. Assistant Honorary was appointed from 17-4-1972.
- (2) Dr. (Smt.) S. Y. Joshi, M. D. D. C. H. Assistant Honorary appointed from 13-4-78.
- (3) Dr. P. N. Patnekar, M. D. (Paed.) D. C. H. Assistant Honorary was appointed from 21-9-1973.
- (4) Dr. V. S. Kulkarni, M. D. D. C. H. Assistant Honorary appointed from 15-5-1979.

Orthopaedic Department

- (1) Dr. R. N. Katre M. S. (Ortho) appointed as Honorary Assistant Surgeon from 16-6-1975.
- (2) Dr. R. H. Pathak, M. S. Assistant Honorary appointed from 8-2-79.
- (3) Dr. A. J. Thakur, M. S. (Ortho) F. C. P. S. (Ortho) appointed from 14-1-1975 as Honorary Assistant Surgeon (Ortho).

Ear' Nose' Throat Department.

- (1) Dr. M. V. Ing'le, M. S. (Gen. Surgeon) M. S. (E. N. T.) appointed from 1-6-72 and deputed to K. EM. Hospital.
- (2) Dr. S. P. Wagh, Honorary Assistant (M. S.) D. O. R. L. E. N. T. Surgeon appointed from 20-4-1976.
- (3) Dr. S. S. Joshi, M. S. D. O. R. L. as assistant Honorary appointed from 22-2-80.

Radiology Department

- (1) Dr. L. M. Pancholia, M. D. (Radiology) D. M. R. E. is appointed from 11-8-1975.

Pathology Department

- (1) Dr. (Smt.) A. S. Mehta, M. D. (Patho) appointed from 1-8-72 as Honorary Assistant Pathologist.
- (2) Dr. S. A. Nimkar, M. D. D. C. P. Assistant Honorary appointed from 14-8-80.

Anaesthesia Department

- (1) Dr. U. V. Desai, M. D. (Bom), appointed from 10-1-77.

Skin and V. D. Department

- (1) Dr. D. P. Deshpande, M. D. D. V. D. appointed from 10-2-1976 as Honorary Assistant,

Psychiatric Department.

- (1) Dr. V. N. Vahia, M. D. D. P. M. Honorary Assistant is appointed from 15-6-1977.

Ophthalmic Department.

- (1) Dr. V.H. Gandhi, D. O. M. S., M. S. D. O. (Lond.) F. R. C. S. Honorary Assistant Surgeon (Oph.) is appointed from 3-5-1972.

- (2) Dr. M. V. Patel, M. S. D. O. M. S. F. C. P. S. appointed from 22-5-1974.

Dental Department.

- (1) Dr. N. B. Wadgama, B. D. S. Honorary Assistant is appointed from 1-7-1978.
 (2) Dr. A. B. Shroff, B. D. S. Honorary Assistant is appointed from 1-6-1974.
 (3) Dr. V. C. Shroff, B. D. S. Honorary Assistant is appointed from 17-1-1977.
 (4) Dr. B. S. Shroff, M. D. S. Honorary Assistant is appointed from 1-6-1974.

Special Clinics.**T. B. Clinic**

- (1) Dr. D. T. Jadhav, M. D. Assistant Honorary is appointed from 4-9-78.

Neurosurgery Clinic.

Neurosurgery O. P. D. is conducted with the help of Neuro-Surgery Department of K. E. M. Hospital on every Wednesday.

Neonatology Clinic

Neonatology Clinic is started from 1-8-78 and conducted by Dr. Hathi, and Dr. Patnekar Assistant Honorary. (pacd).

Nutrition Clinic

Nutrition Clinic is attached to Paediatric O. P. D. and has started functioning from February 1972.

Hansen's Clinic.

Hansen's Clinic is managed by Acworth Leprosy Hospital, Wacala on every Friday from 9-00 a. m. to 4-00 p. m.

Diabetic Clinic.

Diabetic Clinic is conducted by Dr. J. C. Doshi on every Thursday from 8-00 a. m. to 10-00 a. m

Hospital**I Expenditure :—**

	Rs.
A (1) Amount spent on Inpatients	1,54,46,382
(2) Amount spent on Outpatients—	51,48,794
(3) Total expenditure excluding New Works	1,02,97,588
(4) Expenditure on New Works	1,54,46,382

Approximately :—

(B1) Average cost per patient per day—	39.90
(2) Average cost In-patient Admission—	279.30
(3) Average cost per Out patient attendance—	8.78
(4) Average cost per Out-patient admission—	35.12

II Results :—

A (1) Schedule Bed Strength	520
(2) Daily average in-patient in wards	690
(3) Total number of admissions including those brought over from the previous year—	37,662
(4) Total number of patients discharged—	
(i) As cured—	35,140
(ii) Left against Medical Advice or got discharged—	320
(iii) Expired including Neonatal and still-births	2,202
(iv) Remained in the hospital on the last day	612
(v) Average stay of in-patient—	7 days.
B (1) Total number of New-out patients admissions	3,49,867
(2) Daily average number of Out-patients	1,130
(3) Total number of out-patients (New & Old)	9,31,793
(4) Daily average number of out-patients attendance (New & Old)	3,100
(5) Total number of casualty attendance (M. L.)	68,743
C(1) Total number of operations on In-patients	6140+1574 F.P. 7714.
(2) Total number of operations on Out-patients	23,483
(3) Total number of plaster on patients	18,971
D Confinements	
(1) Booked Cases—	3,240
(2) Emergency Cases	439
(3) Normal—	2,938
(4) Abnormal—	741

Neonatal and Maternal Deaths :						
(i)	Maternal deaths—	..	..	..	..	Nil
(ii)	Neonatal deaths—	..	..	..	..	15
(iii)	Still Births—	..	..	..	..	209
(iv)	Premature infants	..	..	..	..	291
(6) Sterilizations						
	Male	..	..	..	..	10
	Female	..	..	..	..	762
III—Radiology						
(1)	Total number of patients investigated..	..	..	..	..	59,503
(2)	Total number of X-Rays taken	..	..	..	..	55,095
(3)	Barium Investigations	..	..	..	..	777
Special Investigations :						
(1)	Splenogram	..	..	..	..	27
(2)	Cystourethrogram	..	..	..	..	21
(3)	Sinogram	..	..	..	..	15
(4)	Angiogram	..	..	..	..	17
(5)	Intra Venous Pyclographies	..	..	..	..	323
(6)	Myelograms	..	..	..	..	20
(7)	Cholecystogram..	..	..	..	..	26
(8)	Bronchogram	..	..	..	..	3
(9)	M.M.R.	..	..	..	..	5,391
IV—Blood Bank :						
(1)(i)	Total number of Blood samples collected	..	..	..	..	2,666
(ii)	From Voluntary Donors	..	..	..	..	1,377
(iii)	From O. P. D. patients	..	..	..	..	1,304
(iv)	From other hospitals	..	..	..	..	253
(2)(i)	Total number of bottles supplied to wards	..	..	..	..	2,116
(ii)	Total Collection of blood bottles	..	..	..	..	3,047
V—School Clinic :						
(A)(i)	Total number of school children treated	..	..	..	..	17,266
(i)	New	..	..	..	..	2,333
(ii)	Repeat	..	..	..	..	14,933
(iii)	Referred	..	..	..	..	17,266
B—	Totalexpnditure on clinics..	..	..	..	..	1,28,655.04
VI—Physio Therapy and occupational Therapy :						
Total attendance at the centre—						
i)	Total number of out-patients	..	..	..	..	22162
ii)	Total number of In-patients	..	..	..	..	54161

VII—Deficiencies :

(1) Over crowding of patients in the wards—

As against 520 schedule beds, the daily average in-patients strength in the wards is 690. The over crowding is particularly in male medical, female surgical, male surgical, post-natal, paediatric and orthopaedic wards. There are no separate wards for E. N. T. Ophthalmic and Female Orthopaedic, and Burns cases.

(2) Inadequate waiting space in O. P. D. Inadequate space for injections and dressing departments.

(3) Lack of centralised hospital stores.

(4) Medical staff working in O. P. D. needs to be augmented for speedy disposal of patients.

Suggestions :—**Recreational Facilities :**

Some sort of recreational facilities such as library should be provided.

(1) Indoor games, television etc., may be provided to indoor ambulant patients.

(2) Gift shop is needed for the benefit of patients.

(3) Proposals for additional constructions have been approved but detailed plans and estimated have not been worked out. It is necessary to have phased programme for new constructions to improve the hospital facilities.

(4) Burn cases are increased in the surgical wards. It is suggested that there should be separate Burns wards and the same will be provided when the Central Ambulance Scheme unit starts. It has a provision of 10 bedded Burns ward.

MEDICAL RECORD DEPARTMENT**In-patient Division :—****Accommodation of patients and their particulars**

The number of schedule bed strength during the year was 520. There was constant over crowding in the hospital wards, particularly in the Male Medical, Female Surgical, Post-natal, Paediatric and Orthopaedic wards.

During the year 1980 the average number of in-patients in the hospital was 690 as against 712 and 670 during the year 1979 and 1978 respectively. The total number of patients admitted for hospitalization during the year under report was 37662 as against 37415 and 37985 respectively for 1979 and 1978. The average stay of in-patients was 7 days during the year under report as against 8 and 8.2 respectively in the year 79 & 78.

Results of treatment of Indoor Patients :—

Out of total number of 37662 including 612 brought over from the previous year 35140 were considered as cured 320 left the hospital either against medical advise or were otherwise discharged and 1968 died (excluding 209 still birth and 15 neonatal deaths, L. W. 10 casualty) At the end of the year 612 patients were in the hospital under treatment.

Deaths Classified:—

Out of 1978 deaths 537 died within 24 hrs. of admission 390 after 24 hrs. but within 72 hrs. of admission 750 deaths took place after 3 days from the date of admission 291 premature deaths and 10 died at casualty. The figures are exclusive of 209 still births and 15 neonatal, L. W. Nil deaths. Death rate was 7.4 as against 7.6 during the last year.

Total number of autopsies performed during the year under report was 332 against 364 and 336 for the year 1979 and 1978 respectively. Autopsy rate was 9.3 for the year 1980 as against 9.6 and 10.1 for the year 1979 and 1978. All these autopsies were performed by the Coroner's Surgeon.

Confinements :—

During the year under report the total number of confinements were 3679 and abortions 1284

Operations :—

7714 Operations were performed on In-patients and 23483 operations were performed on Out-patients.

OUT-PATIENTS DEPARTMENT**Out-patients :—particulars.**

The total number of new cases papers issued during the year under report was 341978 as against 343358 in the year 1979 and 33120 in the year 78. The total number of out-patients attendance (New and Old) including casualty cases was 931793 bringing the average total attendance 3100 per day.

Casualty cases registered during the year was 68743 as against 66675 and 51166 during the year 1979 and 1978 respectively.

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 Courts	.. .. .	261
(2) Session Courts	.. .. .	79
(3) Motor Accident Tribunal	.. .. .	39
(4) Other Courts	.. .. .	1

During the year approximately 332 depositions were filed in the Coroner's Court.

Medical Certificates—

(1) Under workmen's compensation Act	.. .. .	67
(2) Medical Opinion certificates	.. .. .	2064
(3) Injury certificates to patients in Medico-legal cases	.. .. .	281
(4) Injury certificates to police in Medico-legal cases (free)	.. .. .	1673
(5) Certificates to Municipal employee injury and leave (free)	.. .. .	468
(6) Certificate for Insurance purposes	.. .. .	13
(7) Essentiality certificates for reimbursement of medical expenses to Govt.	.. .. .	15
(8) Accident Insurance certificates	.. .. .	Nil

OTHER ACTIVITIES**Training Programme 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. 21,790 against Rs. 25,000 in the previous year.

Mobile Health Unit—

A mobile Van was donated by Bombay Pradesh Congress Committee on 1-7-1973. The mobile health unit was started from 10-7-1973 at this hospital. During the year under report Mobile Health Unit has completed seven and half year services. It is being utilised at present for rendering medical aid to the slum areas 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 Malad 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 1979.—

(1) Total number of patients seen and treated (In slum communities)	..	55640
(2) Total no. of referred to General hospitals	.. ..	2301
(3) Total number of immunizations carried out	.. ..	209

Clinical Facilities in Modern Medicines, obstetrics and Gynaecology and Surgery to Homeopathic College Students

Under S.C.R.No. 3371 of 18-2-72 and C.R. No. 351 of 22-6-72, facilities were given to the Homeopathic students of Homeopathic education society from 1-5-71 to 31-5-74 for three years. Further extension was also granted by M. C. for 3 years from 1-6-74 to 31-5-77 vide sanction No. MDC/3928 of 15-6-74. Further extension was also granted by M. C. for 3 years from 1-6-1977 to 31-5-1980 vide S. C. R. No. 3712 of 8-2-1980. This was discontinued from 1-6-80 as Medical students of G. S. Medical are being deputed here for training under directions of M. C. I.

Medico Social Service Department—

The social service department was started on 2-10-1972.

Following is the report of the cases that were given assistance in different area of Social Services.

General Social work comprised of work done in O. P. D. and ward level. Further to facilitate efficient functioning social work was divided between two workers and division was as follows.

(1) Gynaec : Counselling was done in the cases of (1) Unmarried mothers, whereby they were advised in the field of adoption/termination and rehabilitation : 82. Such cases were counselled.

(2) Married couples : Were helped in the field of family planning where Termination continuation was advised. Mothers already having three children were successfully advised for tube ligation and others were advised MTP/were motivated for loop insertions for spacing. One hundred and fifteen such cases were reached throughout the year.

(3) Anti 'D' for Negative Blood group Ladies : forty eight ladies were referred for Anti 'D' PBF sanction. The same were reached by way of financial assistance.

(4) Follow up done for referred cases and letters were sent to others to report to this hospital. Paediatric : 100 kgs. of milk powder was distributed to patients suffering from Marasmus, T. B. and other referred cases. Over 100 patients took regular benefit of this project. Inj. cloxacillin was provided entirely on voluntary donation basis to needy patients in various wards. 200 such vials were donated by a single donor alone. Tab Mazetol : More than 250 tabs were provided for by way of donation for two Epileptic children attending paed. ward/O.P.D.

Miscellaneous : Biscuits, fruits, etc., were donated by individual donors from time to time to patients admitted in our hospital. Medical : special mention needs to be made of Cap Rifampicin project. 23 patients were successfully treated for Kochs by way of this project which entailed special voluntary efforts including medical and organisational type.

Hearing aid : Four patients were distributed H. A. during the year.

Discharge Cases : 32 such cases were patients attended to by giving clothes financial aids were given as requested by the cases. Three cases were sent to their native place. Train fare was also arranged for these cases. Paed. followed up done for regd. cases. Premature children were followed up by call letters, N. S. S. Students of Mithibai College, Parle College, Nutan Mahila College, M.V.L.U. College, N. M. College etc. were guided.

Gynaecology and Obstetrics Department

The following is the account of work done in the Gynaec and Obstetric department during the year under report. :-

(1) Total No. of O. P. D. attendant (New)	..	..	..	25266
(2) Total no. of admissions	..	..	..	8857
(3) Total no. of confinements	..	..	..	3679
Normal	..	..	..	2938
Abnormal	..	..	..	741
(4) Total no. of Booked cases	..	..	..	3240
(5) Emergency cases	..	..	..	439
(6) Abortions : (1) Threatened	..	..	..	164
(1) Incomplete	..	..	..	1120
(7) Total no. of operations (1) Major	..	..	..	982
(2) Minor	..	..	..	2969

Undergraduates from G. S. M. College are attending the Department for training. Post-graduate seminars and discussions are being held periodically once a month.

FAMILY WELFARE DEPARTMENT

The family planning department has been started at this hospital in April 1969, with a regular centre, dispensing family planning aids from 9.00 a. m. to 5.00 p. m. on all O. P. D. working days.

The staff consists of a part-time Family Welfare Officer, full time Medical Officer Store keeper-cum-clerk and an attendant & field worker.

The following services are offered—

(1) Distribution of condoms	..	..	..	16820
(2) I. U. C. D. insertions	..	..	..	378
(3) Oral contraceptives	..	..	..	175
(4) Other conventional, contraceptives like diaphragm-Nil, Jelly, 4, Form tube etc. -Nil.	..	..	..
(5) Vasectomy	..	..	..	9
(6) Tubectomy.—This includes puerperal sterilization as well as Gynaec. Sterilization both abdominal and vaginal.	..	..	..	694
(7) The Medical Termination of pregnancy is started from April 1974 and total M. T. P. done during the year under report was	..	..	..	848

The centre also conducts other regular programmes like Maternal Health Education Programme providing knowledge of Maternal and child care in addition to family planning information to antenatal and postnatal patients. It manages guidance services to those who desire it.

Following are the figures of attendance at the centre

(1) New cases	..	..	..	..	1954
(2) Condoms	..	..	..	..	16820
(3) I. U. C. D.	..	..	..	..	378
(4) Oral Contraceptives (tablet)	..	..	..	..	175
(5) Tubectomies	..	..	..	..	694
(6) Vasectomies	..	..	..	..	9
(7) Diaphragma	..	..	..	..	Nil.
(8) M. T. P.	..	..	..	..	848
(9) Applicator with jelly	..	..	..	..	Nil
Immunization Centre :-					
Polio	1st dose	..	..	..	1177
	2nd dose	..	..	..	733
	3rd dose	..	..	..	555
	Booster	..	..	..	197
				Total	2662
Triple	1st dose	..	..	..	1777
	2nd dose	..	..	..	733
	3rd dose	..	..	..	555
	Booster	..	..	..	197
				Total	2262
Tetanus Toxoid	1st dose	..	..	..	30570
	2nd dose	..	..	..	2600
	3rd dose	..	..	..	1579
				Total	34749
B. C. G.	O. P. D.	..	..	..	1092
	Ward (In-patient)	..	..	..	2634
				Total	3726

Antirabic Treatment=14906

PAEDIATRIC DEPARTMENT

During the year under report 36,502 New cases were treated in the Out-patients department and 5,798 were admitted as in-patient.

Screening and Mantoux Testing : About 238 patients were screened in 1980. These include respiratory cases and family contacts of those suspected or diagnosed as Tuberculosis Mantoux testing was done in about 216 cases.

PREMATURITY 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 ranges to 15 to 20 per day.

During the year under report 436 Premature infants were admitted as In-patient and 291 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 1980 as under :

Total Nutrition clinic days.	..	..	..	..	291
Total cases.	..	..	..	..	692
Indoor cases.	..	..	..	..	311
Feeding advice given	..	..	..	..	1,553

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 2,532 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 number of patients admitted during the year 1980 in the Medical units was 8887 (5365 male patients and 3522 female patients) as against 8477 in the year 1979 and 7843 in the year 1978-

Heart disease patients were treated in the Medical ward during the year 1980, 6682 E. C. G. S. were taken during the year under report.

The O. P. D. attendance (New cases was 47121 large increase in the number of patients with Gastro-enteric disease was noted during the year 1980,

I. C. C. U. : This department started functioning from 1-3-75. The total number of patients admitted during the year 1980 in I. C. C. Unit was 277.

T. B. Clinic :

New cases	..	..	..	..	2252
Old cases.	..	..	..	..	14275

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 number of scheduled beds allotted to the surgical department is 20 in the male ward and 20 in the female ward 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 accommodating their problem cases *i. e.* it acts as a referral hospital for Bhagawati hospital, Malad general hospital, Santacruz general hospital, Kurla and Bandra Bhabha hospital. Each unit has outpatients and emergency admission days on alternate days. Dressing department is attached to the surgical O. P. D. and also Minor surgery Theatre is attached to the surgical O. P. D. and managed by Minor surgery Registrar with help of respective surgical unit staff.

Specialized work :

(1) Hepato-biliary and gastrointestinal work. Major surgical procedures like shunt for portal hypertension, pancreatoduodenectomies, Hepatic resection.

(2) Paediatric surgery.

(3) Plastic surgery with the reorganization of the O. P. D. we hope to start surgical gastroenterology O. P. D. shortly.

The following is the account of work done in the department during the year.

(1) Total New O. P. D. attendance.	..	..	..	..	55,195
(2) Total Admissions	..	..	..	..	8,308
(3) Operations : (i) Major	..	..	..	..	1,662
(ii) Minor	..	..	..	..	23,483
Emergency operations	..	..	..	..	435
(4) Total No. of patients treated in Minor surgery was	..	..	..	..	23,483

PSYCHOLOGICAL MEDICINE

The department started functioning from 15-6-77. It consist's of one Assistant Honorary, one Registrar and one Social Worker. One Staff Nurse and one Labourer on the Schedule staff.

The following is the Statistical data of the work done during the year for the period 1980.

(1) Total O. P. D. patients (New Cases)	1,805
(2) Total No. of O. P. D. conducted	152
(3) Average attendance (New cases)	111
(4) Average attendance (Old cases for follow up)	929
(5) Total No. of patients treated with E. C. Ts. (New Cases)	326
(6) Total No. of patients treated with Insulin (New Cases)	66
(7) Total No. of E. C. T. Sessions conducted	1,876
(8) Total No. of insulin sittings conducted	999
(9) Total No. of patients treated with supportive Psycho-therapy	249
(10) Total No. of patients for social case work (New cases)	308
(11) Total No. of patients for special work	476
(12) Total No. of Social case work session.	1418
(13) Behaviour Therapy No. of patients	129
(14) No. of patients for psychological testing	509
(15) No. of Indoor patient	383
(16) Sex Education sessions	132
(17) Total No. of patients for Sex-education.	107
(18) Total No. of patients referred to Day care centre.	459
(19) Average attendance at Day care centre per day.	162
(20) Total No. of patients for child Guidance.	125
(21) Play Therapy No. of sessions.	327
(22) Group Therapy No. of patients.	99
(23) Group Therapy No. of sessions.	45
(24) Family Therapy No. of patients.	19
(25) Family Therapy No. of sessions.	75
(26) Marital counselling No. of patients.	23
(27) Marital counselling No. of sessions.	89

Impression—A proposal for sitting up a Psychiatry ward with Day-Care-Centre was sanctioned in 1979. Designs of the construction of this ward were drawn out by the Engineering section construction of the ward is now nearing completion.

Three out of the four Residents appeared for D. P. M. Examinations and passed the same.

Dr. Doongaji, Honorary Psychiatrist at the K. E. M. Hospital visited the Department in early 1979. A proposal to alter the Method of record keeping of the department was discussed during his visit. In continuation with the same the department now maintains a detailed file of case records of every patient admitted for treatment.

Besides this, registration of new and old cases is now being done by the departmental stenographer, we hope to cater to larger population in the next year. Our follow-up services recorded a larger case load, this indicates that larger number of patients continue treatment for a longer period of time.

The department has received a larger number of referrals from other departments. A proposal to start joint learning sessions with Medical department is being worked out, About sixty books covering several topics were bought for the department this year.

Zonal and National conferences of the Indian Psychiatric Society were attended by members of our department.

ORTHOPAEDIC DEPARTMENT

Orthopaedic department consists of two Assistant Honoraries, two Registrars and two House Officers. Following was the work done in this department during the year under report. In view of the heavy O. P. D. and the Indoor work to dispose the patients efficiently, the Record section and O. P. D. patients require with two clerical staff and one steno to manage the same.

Out door attendance	23,509
Indoor admissions	2,912
No. of Operations	802

The department is well equipped to cope up with the large number 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 female and paediatric-Orthopaedic patients and operation table and plaster room with an attached 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 roating investigations like caloritic taste and audiowetry 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	20,627
New admissions	971
Operations	907

Audiology and Speech Therapy Department

The functioning of the Audiology and Speech Therapy unit started from 19th July 1976.

The unit have an Audiologist on it's staff.

The following is the account of work done during the year under report.

Audiograms	343
Speech Cases	66
Total	409

OPHTHALMIC DEPARTMENT

There are one Assistant Honorary, one Registrar and two House Surgeons on it's staff. The department needs a separate Ophthalmic Ward and an Operation Theatre to improve the working.

The following is the account of work done during the year.

O. P. D. Attendance	20,312
Total No. of admissions	741
Total No. of Operations	800

SKIN AND VENEROLOGY DEPARTMENT

During the year under report 26,405 New cases were treated at the out patient department and 92 were admitted as In-patient. The following investigations were carried out in the Laboratory.

(1) Skin Biopsy	213
(2) Venereal Disease investigations.	43,824

Leprosy unit started from March 1974 and it functions on every-Wednesday during the year under report 258, 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 1980.

Total no. of patients examined

	General O.P.D.	School Clinic
No. of dental extractions	3,387	432
No. of medications.	7,865	391
No. of Scaling teeth.	131	504
No. of X-rays recorded	206	454
No. of filing cement	665	585
No. of Minor Surgical procedure	50	—
Total no. of patients.		

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, Zetosis, Phlyok nular, Otitis media, Tonsillitis-cervical adenitis and Pharyngitis. Tonsillectomy operations were performed on 60 cases in the year 1980.

The total no. of school children treated	17,266
(1) New	2,333
(2) Repeat	14,933
(3) Referred	17,266

The total expenditure on school clinic is Rs. 1,28,655.04. The details are as under.

Establishments	
(i) Establishment	Rs. 1,23,135.25
Contingencies	
(ii) Contingencies & Miscellaneous	427.33
Medicine / Instruments	
(iii) Medicine & Instruments	5,092.46
Juhu Lions Dental Clinic	
Establishment	18,454.17
Medicine & instruments	1,839.15
Labour Technical and others	216.69
Total expenditure of establishment	27,493.72
Total expenditure of medicine and instruments	1,839.15

PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

Investigations	total No.
Biochemical	1,00,032
Serological, Khan test	10,850
Haematological	21,709
Examination of puncture fluids	1,729
Histopathology	3,088
Bacteriology	
(1) Culture	4,958
(2) A. F. B. Smears and Diphtheria Smears	5,121
(3) O. P. D. Laboratory routine work of Blood, Urine, Stools.	14,380
(4) School Clinic	4,521
Nursing Staff	
Matron	1
Jr. Asst. Matron	2
Sister Tutor	2
Ward Sister	25
Staff Nurses	95
Auxillary Nurses	89
Theatre Assistants	7
Health Visitors	2

Nursing School :

Student Nurse Lina Disa was selected on all India level as a delegate of S. N. A. to I. C. N. Susan Cherian staff Nurse from Theatre has got the commissioners award this year.

The Nursing School started the 1st batch with 14 students. 2nd batch was started with 21 students. They celebrated all the programmes as 26 Jan. and other festivals, sports, annual and prize distribution, Nurses week. We have students nurses association and they have one general club. Due to some deficiencies for example Dining Hall, shortage of Tutors and full trained Nurses, and replacement of Auxillary Nurses by full trained SNS and lack of furnished quarters. Maharashtra Nursing Council has not given the permission to admit 2 batches of Nursing students in March and Sept.

Training of Medical Students of G. S. Medical College :

Medical students training started from July 1979 at Dr. R. N. Cooper Hospital. The following departments of this hospital have been recognised by the University for the purpose of undergraduate Teaching—Medicine, Surgery, Gyn. and Obst. 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. J. C. Doshi, Dr. R. D. Darne Dr. Dastur, Dr. Wagle, Dr. S. H. Shah and Dr. R. N. Katre.

Sports : We participated in the cricket tournament which was conducted by Hoechst.

Expenditure out of poor box Charity Fund:

Besides the expenditure incurred from Municipal Funds as sum of Rs. 21,913.82 was spent out of the Poor Box Charity Fund in the year 80-81 as against Rs. 8,432.88 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 maintainance of the hospital during the year 1980-81 including Liabilities at the end of the year but exclusive of the cost on new works amount to Rs. 1,02,97,588 approximately. The expenditure was inclusive of the cost of maintainance and treatment of in-patients, Out-patients and establishment, drugs on Medical Nursing Administrative and Labour Staff as well as the cost of the staff for maintainance and repair of the Buildings.

New constructions and Expansions and Extension work completed :

Following new department has been added during 1980-81 in this hospital.

(1) We have started Hansen's clinic in a seperate partitioned cabin in the central waiting hall on ground floor.

(2) We have started Pathology Museum in the room adjoining cold storage after alteration

(3) We have started one additional clinic room in Paediatric O. P. D.

ANAESTHESIA DEPARTMENT

Anaesthesia Department of Dr. R. N. Cooper Mun. Gen. Hospital, Juhu has the following staff of its establishment Dr. U. V. Desai, Honorary Asstt. Anaesthetist appointed from 10-1-77.

Since date 1-9-78 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 persistent efforts 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 have been increased. Eight posts were recognised in the year 1978-79. In the year 1979-80 sixty-five 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)	Psychiatry	Do.	2
(4)	Skin & V. D.	Do.	1
(5)	Paediatrics	Do.	4
(6)	Neonatology	Do.	1
(7)	Gen. Surgery	Do.	2
(8)	Do. Minor O. T.	Do.	1
(9)	E. N. T.	Do.	1
(10)	Ophthalmology	Do.	1
(11)	Burns & Pl. Surg.	Do.	2
(12)	Orthopaedics	Do.	2
(13)	Obst. & Gynaec.	Do.	3
(14)	Anaesthesia	Do.	1
(15)	Pathology	Resi. Pathologist	2
(16)	Radiology	Resi. Radiologist	1
(17)	Gen. Medicine	House Officer	5+1 recognised previously.
(18)	I.C.C. Unit	Do.	3
(19)	Psychiatric	Do.	2
(20)	Skin & V. D.	Do.	2
(21)	Paediatric	Do.	5+1 Do.
(22)	Neonatology	Do.	2
(23)	General Surgery	Do.	2+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+8

APPENDIX I

Statement showing the distribution of beds according to classification of departments, sex and unit.

Departments	Head of the Unit	Male	Female	Child	Unclassified	Total
Medical I	Dr. J. C. Doshi	20	20	..	..	40
Medical II	Dr. R. D. Darne	20	20	..	..	40
Surgical I	Dr. M. B. Wagle	20	20	..	..	40
Surgical II	Dr. D. K. Dastur	20	20	..	..	40
Ophthalmic	Dr. V. H. Gandhi	10	10	..	..	20
Gynaec I	Dr. S. H. Shah	..	40	..	..	40
Gynaec II	Dr. S. S. Palnitkar	..	40	..	..	40
Gynaec III	Dr. S. D. Chaubal	..	40	..	..	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 pre.	..	40
Paediatric II	Dr. P. N. Patnekar	..	..	30 10 pre.	..	40
E. N. T.	Dr. S. P. Wagh	10	10	..	..	20
I. C. C. U.	Dr. R. D. Darne Dr. J. C. Doshi	5	5	..	..	10
Psychiatric	Dr. V. N. Vahia	10	10	..	..	20
		180	260	80	..	520

APPENDIX NO. 1 'A'

Statement showing the distribution of beds according to wards, service and heads.

Ward No.	Service	Name of the Head of the service	Bed Units Beds	Total Schedule strength of wards.
	Medical (Male)	Dr. J. C. Doshi	20	40
		Dr. R. D. Darne	20	
	Medical (Female)	Dr. J. C. Doshi	20	40
		Dr. R. D. Darne	20	
	Surgical (Female)	Dr. M. B. Wagle	20	40
		Dr. D. K. Dastur	20	
	Surgical (Male)	Dr. M. B. Wagle	20	40
		Dr. D. K. Dastur	20	
	Orthopaedic (Male)	Dr. A. J. Thakur	60	60
	Orthopaedic (Female)		Dr. R. N. Katre	20
	Paediatric	Dr. G. S. Hathi	30	60
		Dr. R. N. Patnekar	30	
	Premature	Dr. G. S. Hathi	10	20
		Dr. P. N. Patnekar	10	
	Gynaec	Dr. S. H. Shah	20	60
		Dr. S. S. Palnitkar	20	
	P. N. C.	Dr. S. D. Chaubal	20	60
		Dr. S. H. Shah	20	
		Dr. S. S. Palnitkar	20	
	Skin	Dr. D. P. Deshpande	5 (MMW) 3 (FMW) 2 (Ch.)	10
	Ophthalmic	Dr. V. H. Gandhi	10 (MMW) 10 (FMW)	20
	E. N. T.	Dr. S. P. Wagh	10 (MMW) 10 (FMW)	20
	I. C. C. U.	Dr. J. C. Doshi) Dr. R. D. Darne)	10	10
	Psychiatric	Dr. V. N. Vahia	20	20
				520
	Anti-Natal	26	Exclampsia	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 1980, 1979 and 1978.

Particulars	1980	1979	1978
(A) In-patients—			
1 Schedule Bed strength	520	520	500
2 Daily average no. of In-patients	690	670	665
3 Daily average no. of admissions	125	120	133
4 Total no. of new in-patients admitted	37765	37415	37985
5 Average of days each patient was resident	7	8	8.2
(B) Out-patients—			
1 Total no. of new out-patients attendance	349867	343358	366465
2 Daily average no. of new out-patients	1130	903	1004
3 Total no. of out-patients attendance (New & Old)	931793	930272	908593
4 Daily average no. of out patients attendance (New & Old)	3100	3012	2980
5 No. of Casualty patients	68743	64109	22960
(C) Operations—			
1 Total no. of operations on In-patients	6140+1574 F. P.	11133+3090 F. P.	10295+4977 F. P.
2 Total no. of operations on Out-patients	23483	35951	41363

APPENDIX NO. III

Statement showing the in-patients treated in the Dr. R. N. Cooper Municipal General Hospital, Juhu during the year 1980 with the Classification according to departments, discharge and deaths.

Department	In the hospital mid-night of 31-12-79	Admitted during the year 1980	Total treated	Disch. during the year 1980	Died	In the hospital by mid-night of 31-12-80
Medical ..	116	8887	55652	5617	562	152
Surgical ..	129	8308	62613	4567	416	115
Gynaec ..	104	8857	51657	7584	71	130
Paediatric ..	57	5798	32405	3208	542	48
Premature ..	7	436	5000	185	291	5
Orthopaedic ..	104	2912	38102	2056	25	106
E. N. T. ..	15	971	3056	816	5	3
Ophthalmic ..	11	741	4119	7195	4	9
Skin ..	1	92	838	90	2	3
I. C. C. U. ..	3	277	1393	258	50	3
Psychiatric ..	15	383	4203	369	..	8
	562	37662	258028	25545	1968	582

L. W.—Nil
 Neonatal Death—15
 Casualty—10
 Still Birth—209

APPENDIX—IV

Statement showing the out-patients (New & Old) and casualty in Dr. R. N. Cooper Municipal General Hospital, Juhu during the year 1980 classification according to the Dept., Sex.

Department	Sex	O. P. D. (New cases)	Casualty
Medical ..	Male	24630	4184
	Female	22491	2290

Surgical ..	Male	12511	25465
	Female	18790	13271
	M/ch.	16811	7134
	F/ch.	6083	5765
Gynaec	Female	25266	3148
Orthopaedic ..	Male	8951	664
	Female	5478	288
	M/ch.	5691	217
	F/ch.	3389	93
E. N. T. ..	Male	6692	140
	Female	4774	65
	M/ch.	4220	25
	F/ch.	4941	15
Ophthalmic	Male	6692	140
	Female	5758	64
	M/ch.	4779	15
	F/ch.	4013	8
Dental	Male	7498	49
	Female	6661	26
	M/ch.	5899	7
	F/ch.	5972	2
Paediatric	M/ch.	19956	3026
	F/ch.	16546	2140
Skin ..	Male	8870	47
	Female	7003	25
	M/ch.	5111	20
	F/ch.	5421	9
Psychiatric ..	Male	1005	..
	Female	717	..
	M/ch.	57	..
	F/ch.	26	..
T. B.	Male	1222	..
	Female	925	..
	M/ch.	55	..
	F/ch.	50	..
		281124	68743

APPENDIX—V

Statement showing the relative, cost per in-patient and out-patient per day during the year 1980-81 and previous two years.

Particulars	1980-81	1979-80	1978-79
1. Average cost per In-patient per day	39.90	34.64	41.42
2. Average cost per In-patient admission	279.30	235.30	248.52
3. Average cost per Out-patient attendance	8.78	7.32	15.14
4. Average cost per out-patient admission	25.12	34.11	45.42

APPENDIX VI

Statement showing the details of cost-per In-patients day for the year 1980-81 and previous two years

Year	Diet.	Drugs & Dressing	Stores & linens	Healing Miscellaneous & lightning	Repair to Bldg. & Eng	Estt.	Total
1980-81	4.45	11.13	2.83	3.46	0.51	17.52	39.90
1979-80	2.33	11.02	2.02	3.06	0.35	15.86	34.64
1978-79	3.48	12.70	3.38	5.10	0.18	16.58	41.42

APPENDIX VII

Statement showing the average cost of each new out-patient attendance for the year 1980-81 and previous two years.

Year	Drugs & Dressings	Store & linens	Healing & lighting	Misce-llenous	Repairs Bldg. & Engg.	Estt.	Total
1980-81	..	2.54	1.10	1.47	0.17	3.58	8.78
1979-80	2.20	0.61	0.80	..	0.51	3.14	7.32
1978-79	4.52	1.24	1.17	..	0.82	6.03	15.14

SHRI H. B. M. G. HOSPITAL, BORIVALI

The required informations are furnished as detailed below. (Along with Marathi version in two copies each).

High Lights

I.—Expenditure	...	...	...	...	...	Rs.	46,59,880.00
(A) 1. On in-patients	...	...	...	...	...	Rs.	31,06,586.66
2. On out patients	...	...	...	...	...	Rs.	15,53,293.34
(B) Average cost per—							
1. In-patient per day	...	...	...	...	...	Rs.	41.40
2. Out-patient per day	...	...	...	...	...	Rs.	7.93

II.—Results in Patients :

(A) 1. Scheduled Bed strength	...	...	...	...	Beds :	300
2. Daily average in-patients in wards	...	...	...	...	Beds :	297
3. Admissions including those brought over from previous years	...	...	...	...		19,477
(4) Number of patients discharged as	...	...	...	...
(i) relieved	...	...	...	...		1,347
(ii) as cured	...	...	...	...		15,654
(iii) Otherwise	...	...	...	...		1,258
(iv) Expired	...	...	...	...		879
(v) remained in the hospital on the last day of the year	...	...	...	...		339
(vi) daily average number of admissions	...	...	...	...		53
(vii) Average stay in-patients (in days)	...	...	...	...		6
(viii) Highest number of in-patients in a single day	...	...	...	...		360

(B) Out Patients :

(i) New out patients attendance	...	...	...	...	...	1,58,641
(ii) Daily average number of new out patients	...	...	...	...	...	440
(iii) Highest O. P. D. attendance on a single day	...	...	...	...	...	1,792
(iv) No. of casualty attendance	...	...	...	...	...	27,630

(C) (i) Operations on in-patients

(i) Operations on in-patients	...	...	...	...	...	5,895
(ii) Operations on out-patients	...	...	...	...	...	2,995

(D) Confinements :

(i) Booked cases	...	...	...	...	...	1,644
(ii) Emergency cases	...	...	...	...	...	375
(iii) Normal	...	...	...	...	...	1,289
(iv) Abnormal	...	...	...	...	...	328
(v) Left before delivery	...	...	...	...	...	62

III. Neonatal and Maternal deaths :

(i) Maternal deaths	...	...	...	...	...	4
(ii) Neo-natal deaths	...	...	...	...	...	4
(iii) Still births	...	...	...	...	...	109
(iv) Premature live born infants	...	...	...	...	...	100

Specialised treatments :

(i) Sterilization (male)	...	...	...	...	...	4
(ii) Sterilization (Female)	...	...	...	...	...	478
(iii) I. U. C. D. (Inserted)	...	...	...	...	...	94

(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 ... Nil.

(i) S. T. D. cases.	..	..	..	..	1,627	Deaths
(ii) Tuberculosis	..	..	..	..	1,274	Nil
(iii) Food Poisoning	..	..	..	..	159	Nil

1. Electrocardiography Departments :

(1) Electrocardiographic tracing were taken during the year 3,490

2. Physiotherapy Occupational Therapy Department.

(1) Total No. of cases 4,099

3. Radiology :

(1) Total No. of X-Ray taken 26,065
 (2) Total No. of Screening cases 10,928

4. Blood Bank :			
(i) No. of Bottls samples collected from.	..	..	2,153
(ii) Voluntary Donors.	..	..	478
(iii) Professional Donors.	..	..	1,136
(iv) Other hospitals	..	..	198
(v) Relative Donors	..	..	316
(vi) Bottles supplied.	..	..	1,692
(vii) Amount paid from Poor box charity Fund to Professional Donors.	..	..	Rs. 3,754
5. Mobile dispensary. :			
(i) Total No. of cases.	..	..	48,084
6. Medical Record Department :			
(i) Total No. of Medical certificates (issued) to the patients.	..	..	1,377
(ii) Total No. of Medico legal certificates issued to Police authorities.	..	..	14,978
(iii) Medico legal cases attended by the Doctors	..	..	56
7. Ambulance Services :			
(i) Total No. of cases attended.	..	..	1,275
(ii) Amount Collected.	..	..	Rs. 1,462.00
(iii) Attended Free calls.	..	..	62
8. Hearse Services :			
(i) Total No. of cases attended.	..	..	902
(ii) Amounts Collected.	..	..	Rs. 4,808.00
(iii) Attended Free calls.	..	..	17
9. Social Services :			
(i) Free Spects	..	..	162
(ii) Total cost collected	..	..	Rs. 3,754.00
(iii) Dark glasses from donors.	..	..	21
(iv) Supplied appliance cases (orth)	..	..	8
(v) Supplied Donors	..	..	57
(vi) Legal aid	..	..	4
(vii) Children handedover to children's home	..	..	4
(viii) Non Scheduled drugs Supplied to patient	..	..	71 patients
(ix) Supplied by Donors	..	..	30 "
(x) Tablets	..	..	55 "
(xi) Old Cloths	..	..	20 patients
10. Pathology Department :			
(i) Clinical Pathology investigations (including serology)	..	..	81,501
(ii) Biochemical investigations	..	..	20,061
(iii) Blood Grouping and cross matching	..	..	9,019
(iv) Seriology	..	..	8,197
11. Anti Rabic Treatment :			
(1) Total No. of patients treated	..	..	4,642
12. School Clinics :			
School clinics is started from 3-3-1980, and Total cases treated during the year 1980.	..	..	2,181
13. Psychiatric Department : Started from 8-9-1980.			
(1) Total cases treated	..	..	254
14. Dental Department :			
7,158 Patients were treated for various troubles	..	..	7,158
15. Anaesthesia Department :			
During the year, 8890 patients have received anaesthesia in various theatre and minor surgery department.			
16. Audiology and Speech Therapy Department :			
During the year, 540 Patients took advantage of the services of this department.			
17. Poor Box Charity Fund :			
The collection in the boxes of the Poor Box Charity Fund during the period from 1-1-80 to 31-12-80 amounted to Rs. 20,000.00 out of which Rs.—5140 spent for purchasing the non schedul d drugs and orthopaedic appliances for poor patients.			

18. Certificates :

1426 certificates of different types were issued to the patients during the year under report.

19. Dispensary :

The work carried out in the dispensary is as follows.

(1) Out Patients	1,58,641
(2) In Patients	19,477

20. Family Welfare Centre :

A family planning centre is run for the benefit of patients attending the hospital. The work done is as follows.

(1) Vasectomy operations performed	9
(2) Sterilization operations performed	488
(3) Loops inserted	114
(4) Patients given oral pills	608
(5) Patients given condom	18,870

21. Special Facilities for Municipal Employees :

Separate counters have been kept reserved at the Registration Department, Dispensary for the municipal staff.

22. Library :

During the year 162 Books have been registered in the library.

23. Interns :

215 Graduates from L. T. M. G. hospital are allowed to undergo internship training at this hospital.

ADMINISTRATION

DR. (SMT.) S. K. SARAF,
M.D. D.G.O. D.E.P.
Medical Superintendent.

DR. (SMT.) S. N. JOSHI,
M.B., B.S. D.G.O. D.F.P.
Asstt. Medical Officer (Admn.).

Other Heads of Department.

Name	Qualifications	Designation.
Dr. V. Y. Chavan	.. M.D.F.C.P.S.C.C.P.S.	Hon. Asstt. Medicine.
Dr. S. R. Deshpande	.. M.D.	Hon. Asstt. Medicine.
Dr. N. N. Desai	.. M.R.G.P.D.Ch. (Lond.)	Hon. Asstt. Paediatrician.
Dr. (Smt.) Shalini Bhatt.	.. M.D.D.C.H. (Bom.)	Hon. Asstt. Paediatrician.
Dr. K. P. Morwani	.. M.B.B.S. DORL. MS.	Hon. Asstt. ENT Surgeon.
Dr. D. V. Bhagat	.. M.S. (SBom.)	Hon. Asstt. Surgeon.
Dr. A. R. Nerker	.. M.S. (Bom.) M.R.S.H. (Lond)	Hon. Asstt. Surgeon.
Dr. (Smt.) Lata Dandekar	M.C.D.G.O.D.E.P.	Hon. Asstt. Gyn. & Obst.
Dr. A. N. Parelkar	.. M.S. Orth.	Hon. Asstt. (Orth) Surgeon.
Dr. M. B. Kukreja	.. M.D.D.V. & D.	Hon. Asstt. Skin & V. D.
Dr. N. S. Athanikar	.. M. S. (OPHTH)	Hon. Asstt. (Ophth) Surgeon.
Dr. M. R. Kamdar	.. M.D.	Hon. Asstt. Anaesthetist.
Dr. V. V. Cheda	.. M. D.	Hon. Asstt. Radiologist.
Dr. (Smt.) Lul	.. M.B.B.S.	Tutor in Pathology.
Dr. (Smt.) S. S. Deodhar	.. B.D.S. (Bom).	Part time Dental (Surgeon).

APPENDIX I

The Department-wise distribution of 19477, admitted Patients Plus 290 patients of previous year remaining as on 31-12-80 is given below alongwith O.P.D. patients.

For the year 1980.

Serial No.	Name of the Department	Treated O.P.D.	Patients Indoor
(1)	Medical	2,06,501	1459
(2)	Surgical	6,3949	4,024
(3)	Ophthalmic	16,790	625
(4)	E. N. T.	19017	951
(5)	Skin & V. D.	37,143	....
(6)	Orthopaedic	47,307	1,837
(7)	Paediatric	45,490	3,125
(8)	Gyn. & Obst.	34,809	4117
(9)	Dental	4917	....
Patients remained on as 31-12-1980		....	339
Total No. of patients		4,75,923	19,477

APPENDIX II.

Distributions of Beds according to Department.

Department	Male	Female	Children	Total
(1) Medical	30	18	..	48
(2) Surgical	35	17	..	52
(3) Gynaec Unit I	..	15	..	15
Unit II	..	10	..	10
(4) Obst. Unit I	..	25	..	25
Unit II	..	25	..	25
(5) Orthopaedic	10	25	..	35
(6) E. N. T.	15	10	..	25
(7) Ophthalmic	15	10	..	25
(8) Paediatric	..	..	35	35
(9) Casualty Emergency Beds	..	..	..	5
				300

**SHRI HARILAL BHAGAWATI MUNICIPAL GENERAL HOSPITAL
BORIVALI, BOMBAY-92.**

SHORT NOTE.

The late Shri Harilal Bhagawati donated a piece of land to the Municipal Corporation in the year 1962 for construction of the hospital so as to provide Medical Relief facilities to the peoples staying in the Northern end of the City. Foundation stone was laid by late Shri Marotrao Kannamwar, the late 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 4th February 1968. Originally the hospital started with 50 beds with only two wards, one for females and another for males. There was a unit of two Operation Theatres and Laboratory for routine Pathological Examinations. In the year 1971 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 Obstetrics, E.N.T. Orthopaedic, Ophthalmic, Skin and V. D. Radiology, Pathology, Anti Rabic Immunizations, (School)

Clinics, Psychiatric, Dental departments, Anaesthesia, Audiology and speech Therapy, Poor Box Charity fund. Dispensary, Family Planning Centre, Special facilities to Municipal Employees, Library Internship for Post Graduate, etc., were gradually raising the total bed strength to 300. The number of operation Theatres was also increased to 7.

We have now 2 units of operation Theatres with in all 7 Operation Theatres. One unit has been air-Conditioned and the other one is being air-conditioned.

The Blood Bank at the hospital was put up into Commission in August 1977. It is working round-the-clock. It has been named as Shri Keshavlal Jethuchand Bhansali Lions Blood Bank on 24th June 1979. On receipt of donation from the Lions Club of Borivali West.

The hospital had no casualty Department and cases of accidents etc., were, therefore, directed to Dr. R. N. Cooper Hospital. The casualty Department at the hospital was put into commission from 22nd May 1978.

Part time Dental Clinic started at this hospital from March 1978. School Clinics started from 3rd March 1980. Psychiatric department started from 8th September 1980.

The following Departments and services exist at the hospital.

Department	Bed strength.
(1) Medicine	48
(2) Surgical	52
(3) Orthopaedic	35
(4) E. N. T.	25
(5) Ophthalmic	25
(6) Gynaec & 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 Therapy 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)	

This hospital has the facility of supply of Petroleum Gas through Pipes to Kitchen and ward pantries for which a Gas tank with 10 metric Tonnes capacity has been installed in the compound of the hospital. The facility of centralised supply of Medical gases and suction system has been installed and started functioning. Nurses Training School is intended to be started at this Hospital soon and necessary construction for class rooms, laboratories, etc., is in progress. The Trainee Nurses will be accommodated in the Nurses Home building which is already constructed and equipped with the necessary furniture etc.

There are three buildings for residential quarters with in all 40 blocks in the compound of the hospital.

At present there is no Mortuary at the hospital, However, necessary steps have been taken for the construction of the mortuary block and the same is expected to be completed soon.

DR. (SMT) S. M. SARAF
 Medical Superintendent,
 Shri H.B.M.G. Hospital,
 Borivali, Bombay 92.

CITY ENGINEER'S DEPARTMENT

HIGH-LIGHTS :

I—(A) Expenditure :

	Rs. (In Crores)
Expenditure incurred :—	
(i) On execution of Loan Works	12.07
(ii) On execution of revenue works	5.09
(iii) On Establishment	18.79
(iv) On other heads—	
(a) From Loan Works Budget	1.31
(b) From Revenue Budget	5.32
(B) Revenue Earned :	8.26

II—Achievements :

	Completed	In progress
(1) Building Construction Branch—		
(a) Housing tenements	136	867
(b) School Buildings	8	17
(c) Markets	3	4
(d) Hospitals, Maternity Home & Dispensaries	6	14
(e) Other Building Works	11	28
(2) Road Construction Branch—		
(a) Road surfacing in Asphalt Concrete	5	12
(b) Road surfacing in Cement Concrete .. .. .	...	4
(c) New Roads including S.W. Drains	10	21
(d) Road widening	10	56
(e) Any Other Works	22	5f
(3) Building Proposal Branch—		
(a) Residential Building Proposals—		
	Under Section 337	Under Section 342
(i) Received	2309	1742
(ii) Approved	2109	1122
(b) Non-Residential building proposals	772	..
(c) Residential buildings constructed (No. of tenements are shown in brackets)—		
By Private Parties	By Co-op. Societies	By Employers for staff
1516 (22549)	266 (422)	37 (437)

(d) Non-residential building constructed by private parties. 298

(4) Slum Improvement Branch—

(i) Colonies covered for improvements	46
(ii) Slum cleared and development completed	24
(iii) Slum under clearance and under redevelopment stages	3

(5) Air Pollution Prevention Cell—

(i) Air Pollution complaints attended	290 Nos.
(ii) No objection certificate issued	182 Nos.
(iii) Proposals concerning factory administration	341 Nos.
(iv) Proposals for registration of Electrical furnaces and ovens	65 Nos.
(v) No. of samples collected and analysed at Monitoring Stations	10,129 Nos.

(6) Mechanical Branch—

(a) Jobs attended by—	
(i) Workshop	1,235
(ii) Foundry	144
(iii) Design Section	358
(iv) Washing services rendered by Municipal Power Laundry	48 Inst.
(v) Linen washed by Laundry	60,26,271

(7) Electrical Branch—

(i) Building Construction Section.		
(ii) Works by Contract	(a) Completed—54	(b) In Progress—48
(iii) Plant and Machinery Section—		
Jobs executed—	(a) Departmentally—470.	(b) Through Contract—114.
(iv) Refrigeration Section—		
Works by contract—	(a) Completed—7	(b) In Progress—5.

(8) Transport Branch—

Transport Branch used 957 vehicles. for rendering various services to V.I.P. the staff and different committees and also for health services, conservancy services, meat van services and encroachment removal services, etc.

(9) Conservancy Branch—

(a) Refuse and other waste matter removal in tonnes.	..	..	12.69
			(Lakh tonnes)
(b) Total vehicles employed for removal of refuse ..	..	..	2,498.06
(c) Public Latrines maintained ..	..	..	2,104
(d) Urinal stalls maintained ..	..	..	878
(e) Welfare Centres for the Conservancy employees.	..	..	26

(10) Acquisition of Land—

(a) Properties acquired—Under L.A. Act—8	By Negotiations—10.
(b) Proceedings in Progress—416.	

(11) Maintenance of Municipal Properties—

(i) Buildings 2335	(ii) Roads— 1349.6006
(iii) Works carried out through P. W. C.—2254	

(12) Supervision of private buildings and factories—

(i) Notices under different sections of the Act. Issued—4267; Complied with—2018, Pending—2272.	
(ii) Unsafe buildings or portions thereof removed by the Corporation under section 489 of Bombay Municipal Corporation Act.	130
(iii) Authorities granted to the tenants under section 499 of the Bombay Municipal Corporation Act.	343
(iv) Tenants who took advantage of the authorities	2,368
(v) Action taken against unauthorised structures	1403
(vi) Unauthorised structure removed— By Parties—617; By Corporation—2021; Cases where action dropped—905	
(vii) Factory permits issued	1,842
(viii) Prosecution launched	1,399
(ix) Prosecutions decided in favour of the Corporation	665

The City Engineer's Department is charged with the functions of Planning and Design and Slum Clearance Housing and Building Projects for Offices; Schools, Hospitals, etc. in addition to Road Construction and Maintenance thereof. It enforces Building by laws and Development Control Rules for the orderly growth of the City. It functions in three sections, viz. City, Suburbs and Extended Suburbs.

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 P.W.C. Drawing material	Providing Furniture to Municipal properties.	Waterproofing treatment to the Municipal properties and construction of compound walls.	
		City	Subs. & Ext. Subs.	City	Subs.	City	Subs.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Cloth tracing	19	..	2	..	..	..	..	..	..	..
2	Paper tracing (General Drawing)	236	444	38	7	112	146	..	..	..	..
3	Print copies	20524	13899	2078	1837	626	1015	..	..	..	..
4	Block estimates	27	48	14	6	..	..	..	..	..	..
5	Amount of Block estimates (in crores)	8.21	11.12	3.05	1.24	..	..	..	..	..	..
6	Detailed plans and estimates.	32	72	14	4	..	..	..	..	37 Nos.	13 Nos.
7	Amount of detailed estimates (in crores)	4.45	7.72	1.82	0.91	..	..	..	..	0.10	3.96
8	Contract awarded	58	59	27	4	..	..	44	4	..	..
9	Detailed estimates in hand	39	28	15	2	..	..	..	..	9 Nos.	4 Nos.
10	Approx. cost of detailed estimates in hand (in crores)	37.86	3.00	3.11	1.8	..	..	..	..	0.10	1.05

2. REPAIR BOARD CELL :

Two A. Es. with four S. Es. are working in this Cell under the direct control of C. E.

This cell has been created in the year May 1970 for doing such work as will help the members representing the Corporation on the B. H. and A. D. Board to play their roles effectively and also to collect such information as they may need for giving effect to the provision of Bombay Municipal Corporation Act, concerning the repairs action as enunciated under section 102 of Maharashtra Housing and Area Development Board Act.

The broad features of the work done by the staff working in the repairs cell during the period from 1-4-80 to 31-3-1981 are as under :—

(1) Preparation of Agenda Notes for Board's meetings, Technical Committee meetings and special meetings held every month (27).

(2) Security of the draft schemes submitted by the board for reconstruction of building (36).

(3) Sites inspection of the location of the building which were to be undertaken by the B. H. and A. D. Board for structural repairs (145) such inspections are necessary to determine the admissibility of structural repairs for such building viz. If affected by the D. P. reservations, proposed regular line of road, widening of road scheme etc.

(4) Replies to interpellations, short notice questions and notice of motion by the member in the Corporation and in the different committee members, replies to Assembly started questions referred to by the State Govt., etc.

(5) Comments on the proposals referred to by Building Proposal Section were given on the repairs to the cessed Bldgs. for considering the permission for repairs etc. (174).

3. SLUMS.

Since establishment of the Cell in 1969, the work of providing civic amenities in different hutment colonies has been continued under the programme of environment improvement work. A grant assistance of Rs. 83,27,436.00 has been received during the year from B. H. & A. D. Board by way of reimbursement of the expenditure incurred on the basic amenities provided during the year.

The colonies comprising of a population of about, 89,140 were being provided amenities under the Slum Improvement Programme during the year. The Corporation has provided about 318 Nos. of water taps, 79 Nos. of W. C./A. P. Seats, 38,690 Sq. mts. passages 23,440 R. Mts. of drains.

The Corporation under the Slum Improvement Programme has also provided additional amenities including 2 Nos., Schools 2 Nos., Dispensary and Health Centres, One Welfare Centre, One Sub-Station and One Police Chowky during the year at the Municipal Cost. Total expenditure incurred is Rs. 1,44,30,431 on the above amenities during the year 1981.

The details in respect of the colonies improved and being improved during the year 1980-81 are given below :

(1) No. of colonies on Municipal land. 43 Nos.

(2) No. of colonies on Government land. 3 Nos.

Total: 46 Nos.

(B) CLEARANCE OF SLUMS :

The Branch is mainly concerned with the following :

(1) Preliminary survey of Slum area, declaration of slum areas as 'Clearance area' making of clearance orders and compulsory acquisition orders under provision of Section 354-R of Bombay Municipal Corporation Act.

(2) Acquisition of Slum properties falling under Clearance areas.

(3) Formation of Schemes for development of clearance area with the financial assistance from Government under the Government of India's subsidised Slum Clearance Scheme.

(4) Claiming financial assistance of subsidy only from the government and maintaining the record of the same.

(5) Taking preliminary steps for declaring 'Clearance Areas' under Section 354-R of the Bombay Municipal Corporation Act for enabling the Bombay Housing and Area Development Board to carry out the repairs and reconstruction of Scheme under the Boards Act.

(C) SLUMS ON MUNICIPAL LANDS :

During the year 1980-81 the Corporation have not declared and acquired any Slum for its development.

No. of slums declared and development completed.	No. of slums under clearance and redevelopment in stages.
24	3

4. DEVELOPMENT PLAN :

The Development Plan Department has the following main functions :—

- (1) Implementation of Development Plan sanctioned in 1967.
- (2) Revision of the Development Plan as required under Section 38 of the M.R. & T.P. Act, 1966 and
- (3) Acquisition of lands required for providing various civic amenities.
- (4) Town Planning Scheme.

The details of performance in respect of the above major functions are as under :—

(1) Implementation of Development Plan sanctioned in 1967 :—

Under this function, the Department is required to give guide-lines to various departments of the Municipal Corporation and particularly, the Building Proposals Section in the matters connected with Building Bye-Laws, Development Control Rules and Urban Land (Ceiling and Regulation) Act, 1976. The Ward Offices are required to be guided in the matters regarding grant of factory permits under Section 390 of the Bombay Municipal Corporation Act and licences under Section 394 of the said Act.

This Section has also to guide the members of public, licenced-surveyors, as also other Government and Semi-Government Departments regarding provisions under the sanctioned Development Plan of Greater Bombay and the Development Control Rules for Greater Bombay, etc.

During course of implementation of Development Plan provisions, the reservations provided for various public purposes are required to be modified or deleted, partly or wholly, to meet the immediate requirements of public.

With a view, therefore, to modify the provisions under the sanctioned Development Plan in case of discrepancies as also changes in users of reservations considering the difficulties of implementation, etc. On representation from the owners of properties Licenced-Surveyors, Municipal Councillors and the Government and Semi-Government Departments, 61 proposals were initiated for modifying the Development Plan reservations in the year 1980-81. Out of these proposals 20 proposals were sanctioned by the Corporation under Section 37 of the Maharashtra Regional and Town Planning Act, 1966 and another 8 proposals were sanctioned under Section 50 of the aforesaid Act for deletion of reservations. These proposals were processed further and submitted to the State Government in Urban Development and Public Health Department for their final sanction. In addition to these, 2 proposals for modifying the provisions under D.C. Rules for Greater Bombay were also sanctioned by the Corporation.

(2) Revision of Development Plan :

The work of preparing draft revised Development Plan of the City Wards is almost completed and draft revised Development Plans will be sent shortly to the respective Ward Offices for placing them before Ward Councillors' meeting with the concerned Zonal D.M.Cs inviting further suggestions and/or objections from Ward Councillors as a part of effective public participation. After considering the suggestions and/or objections from the Ward Councillors, the draft revised Development Plan of the City Wards will be finalised. For the purpose of preparing draft revised Development Plan of the City Wards, the newly printed base maps to the scale of 1=2500, prepared from the City Survey Sheets by photo Reduction process, will be utilised. The base maps for A, B, C, D and E Wards have already been printed. The base maps for remaining City Wards are also almost ready.

As far as Suburbs and Extended Suburbs are concerned, such base maps to the same scale of 1=2500 are being obtained from Messrs Pilot Maps Production Plant, Unit of Survey of India Hyderabad. For the purpose of preparing these base maps for Suburbs and Extended Suburbs, the aerial photos taken in the year 1975 have been utilised. Out of 103 sheets for Suburbs and Extended Suburbs, 55 sheets have already been updated and returned to Hyderabad for Final printing. The remaining sheets have already been received from Hyderabad for updating and the work of updating the same is in progress. So far 35 sheets have already been finally printed for being used as base maps.

As far as work of carrying out existing Land Use Survey, the same is already completed in all respect for the entire land City of Bombay and critical areas in Suburbs and Extended Suburbs and the output tables have already been received from the computer for further analysis and preparation of draft revised Development Plans. The work of carrying out detailed land-use survey of remaining out-lying areas in Suburbs for the Wards ' L ' (except one village) and ' M ' partly, is completed.

The work of study of amenities, facilities and working out their deficiencies on the basis of planning standards, already finalised in the past for the projected population by 2001 for Wards in Suburbs is now taken in hand.

For the purpose of preparing reservation drawings, the old City Survey Sheets are also required to be up-dated and traced and the work of up-dating and tracing 4000 survey sheets is completed.

The work of preparing maps, charts, diagrams for the purpose of preparing report for the Draft Revised Development Plan, is also completed to the extent of 40 per cent.

(C) Acquisition of Lands

As regards the acquisition of lands, it is to state that about 10 properties have been acquired by negotiations and another 8 properties were acquired through Land Acquisition proceedings during the year 1980-81. Awards were made by the Special Land Acquisition Officer in respect of 18 properties.

The land acquisition proceedings as per the provisions under Maharashtra Regional and Town Planning Act, 1966 and Land Acquisition Act (I) 1894, in respect of 416 properties are in progress.

In addition to this, land rates in respect of acquisition of set back lands, in 11 cases were fixed. The standard Rent in respect of 25 properties was also fixed.

TOWN PLANNING SECTION :**Town Planning Schemes in the City, Suburbs and Extended Suburbs**

This section has been placed under direct supervision of Dy. C.E.(D.P.) from 1st April 1980.

There are 33 Town Planning Schemes in the whole of Greater Bombay-4 in City proper, 25 in Suburbs and 4 in Extended Suburbs.

CITY :

Within the limits of the City proper, the schemes are as under :—

(1) Town Planning Scheme Bombay City No. I (Mandvi and Elphinstone Estate) : Govt. has declared its intention to vary the scheme and preparation of draft first variation is in progress.

(2) Town Planning Scheme Bombay City No. II (Mahim, } Awards about these schemes
area) (1st Variation). } are before Tribunal.

(3) Town Planning Scheme Bombay City No. III (Mahim, }
area) (1st Variation). }

(4) Town Planning Scheme Bombay City No. IV (Mahim area) :—

Draft 2nd variation about this scheme is in progress.

SUBURBS—

There are in all 25 Town Planning Schemes in Suburbs, and all the schemes are finalised and are in effect. These schemes are being implemented by concerned Ward Officers except the below mentioned schemes, position of which is as under :—

(1) Town Planning Scheme No. III Bandra (1st variation) (Final). Awards is declared by Arbitrator and the same is awaiting Government's sanction.

(2) Town Planning Scheme No. V Santacruz (1st variation) (Final) ; Award is declared by Arbitrator. It is awaiting Government's sanction.

(3) Town Planning Scheme No. VI Santacruz (1st variation) (Final).: Arbitrator has submitted his Award to the Government for sanction.

(4) Town Planning Scheme No. V, Vile Parle (Principal) (Draft) ; The scheme is before Arbitrator for finalising and for declaring Award.

(5) Town Planning Scheme No. III Ghatkopar (1st variation) (Final) : The Government's sanction to the Award declared by Arbitrator is awaited.

EXTENDED SUBURBS

Out of the 4 Town Planning Schemes in the extended suburbs, Town Planning Scheme Borivli No. I (1st variation)(Final) and Town Planning scheme Malad No.I (1st variation)(Final) are already sanctioned and are being implemented by concerned Ward Officers. As regards the remaining two schemes, the position is as under :—

(1) Town Planning Scheme Borivli No. II (1st variation) (Final). In this case, Award is already declared by Arbitrator and the same is being processed further ;

(2) Town Planning Scheme Borivli No.III (Principal)(Draft). The scheme is before Arbitrator for finalisation and giving Award.

2.- MECHANICAL AND ELECTRICAL BRANCH :

1. The department of the Dy. City Engineer (Mech. and Electrical) Air Pollution Prevention came into existence in June 1976.

2. The following offices work under the Administrative and Technical Control of this Department.

(a) Air Pollution Prevention & Control Cell.

(b) Central Ambulance Service and Emergency Medical Care Project including setting up of Tele-communication Network for Water Works installations and Gas.

- (c) Civil Defence.
- (d) Project on supply of Natural Gas in Greater Bombay and matter connected with Municipalization of Bombay Gas Company.
- (e) Special Project
- (f) Expansion proposals of Deonar Abattoir.
- (g) Office of the Executive Engineer (Mechanical).
- (h) Office of the Executive Engineer (Electrical).

(3) Air Pollution Prevention and Control Cell :

As the Ambient Air Quality (AAQ) in Greater Bombay started showing deterioration, an independent Air Pollution Prevention Cell (APPC) was created by the Corporation in June 1976 to tackle exclusively the problem of Air Pollution and related matters. The APPC has two distinct wings.

- (a) Administrative and Engineering Wing; and
- (b) Health Survey Wing, which operates from KEM Hospital, Parel.

The administrative and Engineering Wing is further divided into two distinct Groups.

(a) Air Pollution Survey and Analytical Group which is entrusted with air quality surveillance, preparation of emission inventory, Air Pollution Meteorology and determination of the nature of pollutants, their transportation, dispersion, etc.

(b) Enforcement Group, which is entrusted with factory administration and licensing from Air Pollution point of view, investigations of complaints concerning pollution, taking control measures.

Survey and Analytical Wing :

The Air Pollution Analytical Laboratory has been set up at Worli since 17th January 1973 for carrying out AAQ and stack monitoring for various 'Criteria' pollutants like sulphur dioxide, sulphur trioxide, suspended particulate matter, and oxides of Nitrogen in General and Ammonia Oxidants, Carbon-Monoxide, Hydro-Carbons at certain specific places. The meteorological parameters like wind speed wind direction, temperature and humidity are also monitored.

During the year under report the following ACTIVITIES were carried out by this wing :

(i) Four more air monitoring stations were established under the Routine Air Monitoring Stations with monitoring frequency being every sixth day to collect statistically valid data. This brings total number of stations under this programme to ten. They are located as follows :—

- (a) Chembur Naka
- (b) Pant Nagar, Ghatkopar (East)
- (c) Borivali (West)
- (d) Babula Tank 'B' Ward
- (e) Sakinaka
- (f) Dadar-Matunga
- (g) D C Road (New Station)
- (h) Mulund (N w Station)
- (i) Colaba (New Station)
- (j) Unnat Nagar (New Station)

(ii) Six Air Monitoring Stations set up under the Health Survey Programme continued to be operated during the year

(iii) Three Air Monitoring Stations sponsored by B.M.R.D.A. were set up, and air monitoring was carried out. They are located as follows :—

- (1) Bharat refineries Mahul
- (2) Sewree (Nautical Engineering College)
- (3) Mankhurd (First the air monitoring was carried out at Anushakti Nagar which was discontinued and shifted to Mankhurd)

(iv) Two Air Monitoring stations sponsored by R.C.F. were set up and air monitoring was carried out. They are located as follows :—

- (1) Maravali
- (2) Sion-Koliwada

(v) The pollutants monitored during the year were SO₂, NO_x, SPM (Suspended particulate Matter), ammonia in some cases. The SPM was further analysed for 12 different parameters like water solubles, Sulphate, Nitrate, Chloride, Volatile matter, Heavy metals like cadmium, lead, Nickel vanadium, Manganese and carcinogenic substances like Benzene (d) pyrene.

(vi) The research projects like property damage, vegetation damage, sulphation rate were continued during the year.

(vii) The experimental monitoring station set up at the Worli Lab is extensively used for Research and development work in the field of monitoring and for the better performance of the sampling equipment.

(viii) The meteorological data is collected at six stations established by us, for the measurement of wind speed, direction, temperature and Relative humidity. Rain fall data is collected at the four sites of these stations. Two new stations started for the measurement of ground level temperature and relative humidity.

(ix) The laboratory has acquired and using (1) Spectrofluorometer (2) Atomic absorption Spectrophotometer (3) Automatic Chemistry analyser for their analytical work of air pollutants.

(x) The statistical information about the monitoring activities is given in Tables I & II.

Enforcement wing :—

During the year under report 882 proposals were dealt with as listed below, as against 669 such proposals dealt with in the year 1979-80.

- (i) Air Pollution complaints including Noise, vibration, odour and smoke nuisance 290 Nos.
- (ii) No objection Certificate issued for Steam Boilers, Thermic fluid heaters, oil/coke fired furnances, Diesel Generating Sets etc. 182 Nos.
- (iii) Proposals concerning factory Administration dealing with renewal of permits, regularisation/rejection of additional loads etc. 341 Nos.
- (iv) Proposals for registration of Electrical furnaces/ovens 65 Nos.
- (v) Special Projects. 4 Nos.

3.2.1. The survey of non-conforming industries in Greater Bombay was completed including those industries in 'E' Ward and the information submitted to the State Government. The APP Cell has been given representation on several Study Groups, I.S.I. Committees and Maharashtra Smoke Nuisance Commission. The meetings of these various Study Groups and Committees were attended and active part taken in their deliberations. This wing also actively participated in various technical seminars held in Bombay.

3.2.2. The Corporation has sanctioned the proposals for levying pollution abatement fees on permitted industries *vide* C.R.No. 1646, dated 19-10-1978. During the year under report the pollution abatement fees to the tune of Rs. 30,45,640. were collected.

Health Survey Wing ;—

To study the effects of air pollution on Human Health, the Health Survey wing has been set up at the K. E. M. Hospital.

3.3.1. Of 4129 original subjects from all 4 areas Poynad, Lalbaug, Chembur and Khar studied in 1977, 2179 were followed between January 80 and July 1980.

3.3.2. Census-cum-cross sectional study in rural area was carried in the month of January 1980 and February 1980. The total subject covered were 3400. A similar survey was carried out in the Santacruz-Khar area covering 5269 subjects in March and November 1980.

3.3.3. Monthly health cards were maintained on 1200 subjects of 4 areas on a regular basis between January and February. Further intensively supervised study health cards on 600 subjects in 3 urban areas was carried between the July 1980 to Sept. 1980.

3.3.4. The Diet Survey was repeated on 2327 subjects in 4 areas to verify the seasonal differences. Computerisation of all diet-data was planned and executed accordingly.

The analyses for second year was carried out Planning for the computerisation of data for 4 years (6 phases) was done regarding maintenance of health diary, pollution monitoring, weather, housing and sanitation data. The final phase analyses of the total data is being undertaken.

WHO-UNEP ASSISTANCE:—

The Study Group established by WHO-UNEP to obtain and evaluate scientific data on the relationship between environmental pollution and health Status of the population groups in industrial areas of developing countries had visited Bombay in the year 1978-79 and had studied the working of Air Pollution Prevention Cell, Health Survey Unit and our Air Pollution Analytical Laboratory at Worli. This study Group has recommended that the Bombay Studies be given financial & technical assistance from WHO-UNEP funds and the scope of these studies be extended to cover Integrated Exposure Assessment Monitoring. The final decision is still awaited.

Water Pollution Control :—

The Air Pollution Control Cell also looks after the water pollution aspects along with Air Pollution Control. Various industries are discharging their Industrial effluent into Municipal drains, nallas sewers without giving any treatment. A survey of such industries was taken in hand in the year under report, basin wise, grouping them on the basis of their receiving natural water courses. Nearly 38 Industries were asked about the measures taken by them for preventing the water pollution. In about 20 cases, the matter was taken up with the Maharashtra prevention of water Pollution Board inquiring about the action to be taken against defaulting industries as the consent for discharging water is granted by the Board. The sites were also inspected in the cases where serious complaints of small nuisance were received, where waste treatment plants are constructed by the industry.

4. Central Ambulance Service :—

The pilot scheme launched at L. T. M. G. Hospital, Sion, has been functioning very smoothly. During the year under report, all efforts were concentrated on updating the existing facilities and planning of more infrastructural facilities before large scale operations are undertaken in the next financial year.

Emergency Medical Centres (EMC).

(a) In the MEC at L. T. M. G. Hospital, Sion, the work on additional facilities such as ICCU, separate operation theatre for emergency trauma cases, piped oxygen supply, etc. are in progress. The new ICCU is almost ready for being put into commission.

(b) The construction work on EMC at Dr. R. N. Cooper Hospital, Juhu is completed. The installation of machinery is being undertaken. This centre will start functioning in this financial year. The Western Suburbs will have the emergency medical care facilities, on such a large scale, for the first time.

(c) The construction work of the EMC at Smt. M. T. Agarwal Municipal General-Hospital at Mulund is in progress. The new agency to execute the civil works of the proposed additional two floors, has been appointed and the work of the EMC is expected to be completed within the next financial year.

Ambulance Garages and Satellite Centres—

The tenders for constructing ambulance garages and for setting up SIX satellite centres at the following places were invited during the year under report :—

- (i) Maternity Home, Raoli Camp;
- (ii) Maternity Home, Chunabhatti;
- (iii) G.T.B. Hospital, Sewree.
- (iv) Maternity Home, Mahim.
- (v) Santacruz Maternity Home; and
- (vi) General Hospital at Barve Nagar, Ghatkopar (West) out of these six centres, work orders for three centres at Maternity Homes at Raoli Camp, Mahim and G.T.B. Hospital at Sewree are already placed.

Ambulances :—

(a) The fabrication of body building of prototype 'A' ambulance has been completed. The fabrication work of two other 'A' type ambulances is in progress.

(b) TEN Nos. of B/C type ambulances for Cardiac/General purpose were registered with RTO and are ready for use.

(c) Installation of oxygen pipeline in these 'A', 'B' 'C' type ambulances is in progress.

(d) 2 Nos. of B/C type Ambulances are kept ready for E.M.C. centre which will be shortly opened at Cooper Hospital, Juhu.

(e) Workshop for repairs and Maintenance of these ambulances has been established in the premises of L. T. M. G. Hospital.

Tele-Communication Net-works :—

(a) The existing 26 wireless sets installed on the water works installation and C.A.S. net work were maintained satisfactorily during the year under report.

(b) FOUR additional wireless stations for water works Department were established at (1) Master Balancing Reservoir, Bhandup (2) Mulund Chlorination Plant, (3) Bhandup Pumping Stations and (4) Saddle Tunnel bringing the total number of such stations to 22 and 4 under C.A.S.

(c) The wireless operating licences for 5 new additional stations for water supplying department are processed and the same are being issued.

(d) The procurement of indigenous wireless sets posed difficulties due to protracted deliveries and uncertainty regarding their availability. The orders placed with Bharat-Electronics Ltd. (BEL) were therefore, cancelled. The offers for latest generation equipment from foreign Countries were invited during the year under report. These equipments are far more superior to indigenously available equipment. The formalities for frequency allocation from the Wireless Advisor to be Government of India are in progress.

Wireless Maintenance Workshop :

In order to maintain the wireless sets and other electronic equipment under C. A. S., the electronics and tele-communication workshop has been established with necessary testing facilities at L. T. M. G. Hospital premises. One of the testing laboratory is air conditioned for testing and repairs of sophisticated instruments.

Emergency Power Supply :

The E.M.C. centres are proposed to be provided with Emergency Power Supply through the installation of Diesel Generating Sets. The preliminary works of collection of data was undertaken during the year under report.

Head Quarters for C.A.S.

The Head Quarter building for C.A.S. is proposed to be constructed at Chembur. The planning of building and services was entrusted to the private Architects. The architectural plans and layouts of the buildings with infra-structural facilities were completed and estimates prepared by the Architects.

5. Civil Defence Cell :—

The Civil Defence Cell was created in the year 1971 to look after the work of Civil Defence Measures to be undertaken by the Corporation and also to have a close liaison with the Director

and Controller of Civil Defence service. Subsequently, the Cell was entrusted with the additional work of vigilance over Electrical and Mechanical Works. During the year under report the following works were attended to by the Civil Defence Cell.

Civil Defence Training :

The Civil Defence Activities are decentralised by opening 61 sub-units in all wards, Engineering Departments and Hospitals. This has been basically done to impart Civil Defence training to as many volunteers as possible. The actual training courses are being arranged by the Department of Deputy City Engineer (Productivity) whereas the training is imparted free of cost by the City Controller of Civil Defence. However, during the year under report only 46 Municipal employees were trained in Civil Defence Courses.

Civil Defence Plans :

The Operational and survival plans of essential services are revised and brought upto date.

Liaison work with Government Department :

A close liaison was maintained with State Directorate of Civil Defence and the City Controller of Civil Defence. The works pertaining to the maintenance of static tanks, construction of new tanks, installation of new sirens, warden posts and accommodation to Civil Defence Divisional offices was attended to satisfactorily. In addition, the planning of new 60x600 PABX Telephone board at Head Office is completed and the order for its supply had been placed with the Bombay Telephones.

Vigilance over Elec. and Mech. Works :

Technical audit was carried out in respect of 500 proposals. The Electrical Mechanical and Refrigeration works totalling 88 and costing Rs. 93 lakhs were inspected and rebate amounting to Rs. 34,000 proposed for recovery from various contractors. In addition, the proposals for additional staff, specifications for plant and machinery, contractors' appraisal reports were also scrutinised. The MBO and Project Monitoring Programmes pertaining to Electrical and Mechanical Works were also undertaken. The statistical information in case of vigilance work is given in TABLE-III.

6. Distribution of Natural Gas in Greater Bombay :

According to the recommendations of Lovraj Kumar Committee, the Government of India had indicated allocation of 0.833 MM³ of Natural gas per day, to the Municipal Corporation of Greater Bombay for distribution to some major textile mills in Central Bombay (0.693 MM³/day) to bring down the levels of SO₂ in the environment and in domestic sector (0.14/MM³/day) as piped fuel. Accordingly, the Techno-Economic Project. Feasibility Report prepared by the Consultants, the Humphreys and Glasgow Consultants Pvt. Ltd. in the month of June 1979 and approved by the Standing Committee, was submitted to the 'Study Group' appointed by the Government of Maharashtra for consideration.

The said Study Group has accepted in Principle the project prepared by the Corporation and the final draft report preparation is undertaken by this department. Looking to the deliberations of the Study Group, the chances of the Corporation for implementation of this project are bright. In the meantime, Planning of preparatory works such as obtaining permission from various authorities etc. is in progress.

Municipalisation of Bombay Gas Company :

In accordance with the Corporation Resolution No. 112, dated the 10th May 1976, the Bombay Gas Company is proposed to be municipalized. This matter is closely followed-up with the State Government. In the meantime, prosecutions were launched against the Company for creating nuisance due to the emissions of particulate matter and the Court proceedings were attended from time to time. As the decision of the Lower Court has gone in favour of the Company, on some technical ground the application in the sessions court against the decision of the lower Court was submitted. The Session Court has also upheld the decision of the lower Court. The action to launch fresh prosecutions are in progress.

7. Procurement of Tractor Mounted Gully Emptying Units :

The City of Bombay has an underground storm water drainage system, which was designed and laid many years ago. For receiving the storm water, water entrances are provided at regular intervals along side the kerb line of the roads. It has been the past experience that these water entrances get silted and blocked during the fair seasons and are required to be desilted before the onset of monsoon. Hitherto this work was being done manually by employing lean bodied workers which is time consuming and tedious. Since there are about 35000 of such water entrances, the programme for manual cleaning of these water entrances is required to be taken about a couple of months in advance. Because of the slow process of cleaning, there is every likelihood of already cleaned water entrances getting choked during the intervening period. Thus a method of doing this job in a short time but more effectively was a need of the time.

The A.P.P. Cell therefore, had invited tenders for manufacture and supply of NINE numbers of indigenously manufactured tractor mounted gully emptying units for use of city wards. These units are tractor-trailer mounted and are designed to clean the catch-basins and man holes upto a depth of 7 to 8 meters, based on hydro-pneumatic principle. The silt removed will be carried in the closed container and dumped at suitable plots thereby reducing liquid/solid waste pollution and doing away with odour problems. The unit is designed for complete safety of operating personnel. The cost of nine units will be about Rs. 24 lakhs and the order was placed during the year under report. The first such unit is already manufactured and supplied to 'D' Ward for operation. The results of operation are very encouraging. The manufacture of other units is in progress.

8. Ferry Service At Marve-Manori Creek :

For the people residing at Manori Island in 'P' Ward, the ferry service between Marve and Manori is a night-mare. The service provided at present is far from satisfactory. The problem was referred to APP Cell for procuring the ferry boats for meeting the needs of the people. Accordingly, tenders were invited for two mechanised flat bottom ferry boats on the lines of one ferrying between Punjim and Betim, Goa. The capacity of each boat is to carry 75 passengers and their luggage. Both the ferry boats are being manufactured at Mora, Uran and will be available by the end of May, 1981. This service will be operated by the B.E.S. & T. Undertaking on behalf of the Corporation. The statutory requirements of operation of a ferry service are being completed.

Mechanizing a ferry service by a local body like Bombay Municipal Corporation will probably open a new era in the Water Transport where people will feel secured in using the service.

(9) Remodelling Of Dhobi Ghat :

The Dhobi Ghat is in operation at Mahalaxmi, where there are 357 Bhatties provided for washing of clothes. The cheap type of fuel used in these bhatties, with no proper arrangement for supply of air required for combustion, cause severe ground level pollution. The problem being of socio-economic nature, was studied in depth and the practical solution of providing steam to the bhatti pots directly from the Central Generation Plant, rather than producing steam in each and every bhatti pot was found out. The scheme estimated to cost Rs. 25 lakhs was prepared and submitted to the Corporation for approval. The pilot plant studies are already completed.

The administrative approval of the Corporation to the scheme has already been received and the tenders are being invited. When this project is executed, the problem of ground level air pollution will get solved completely.

(10) Expansion Of Deonar Abattoir :

The Slaughter House at Deonar is working to the full capacity since the year 1972. However, on account of persistent demand for meat for home consumption and export, it needs to be expanded by providing additional slaughter capacity of 4000 sheep and goats in 6 hours and 300 cattle in 6 hours. The tenders based on tenderers design for 'Turn-key' project have already been invited and are under scrutiny.

Ancillary Industries at Deonar :

The plot measuring about 14.4 HAC has been reserved for setting up of ancillary industries working on the bye-products from Deonar Abattoir. This plot of land has been divided into 88 plots for allotment of such industries on lease basis for a period of 60 years. The proposals submitted by the allottees of the plots were scrutinised from Locational angle and during the year under report 16 project reports/proposals were cleared.

6. MECHANICAL BRANCH :

During the year under view Municipal Workshop received 1343 fresh jobs. Total numbers of jobs completed 1235 Nos. including previous year pending jobs. The total expenditure on the departmental works amounted to Rs. 24,04,712.28. The up-keep and overhead charges amounted to Rs. 3,82,106.92 which works out to be 15.84% incurred on Labour and Stores. The labour strength during the year was about 425 Nos. There were 292 working days during the year 1980-81.

(i) *Machine Shop* - Repairs to the pumps of Pumping Stations and Purification works were undertaken. Special jobs of large size pumps of L.G.P. Station were carried out. In addition manufacturing of Impellers, C. I. Bushings, shafts of pumps and C. I. casting of Hospital Lawn movers, Shear sharpening work of Garden Department were undertaken. Shaft spindles sheds, Brass bushes were also manufactured.

(ii) *Boiler Shop* : In this section the major jobs were of the fabrication of refuse bins and different types of new hand carts for conservancy department and Drainage Department, repairs to tar boilers and different types of handcarts were undertaken. Various play apparatus for Garden Department were fabricated and repaired by this department. Various clamps, hooks, axles, brackets and iron racks of Conservancy department were fabricated in the Smithy Section of Boiler Shop. The remarkable job of fabrication of 2 tons capacity cupole furnace of Foundry Shops was undertaken and completed satisfactory.

(iii) *Carpentry Shop* : The work undertaken in this shop, was of manufacturing of wooden racks, Notice-boards, tables, benches, chairs, wooden handcarts, wooden cupboards, sea-saw plants for Garden department and diving boards for swimming pool, and some such other special jobs were undertaken. The meter boxes and switch board required for hospitals and other departments were also manufactured. Repairs work to seats, sofas, re-canning of chairs and polishing of the wooden furniture of hospitals and other departments was undertaken.

(iv) *Paint Shop* : In the paint shop, besides day to day work of painting of name boards of various departments, painting of vehicles, refuse bins, different type of wheel barrows, wooden articles were carried out spray painting of steel cupboards, hospital furniture was undertaken.

(v) *Design Section* : Mechanical Design Section prepares estimates, blue prints and specifications for machinery, furniture, and mechanical equipments and invites tenders or sealed quotations for all types of mechanical jobs for Municipal Departments in carrying out their job works.

The following general repairs works were carried out during the year 1980-81 :—

	Nos,
(1) Main Gates	24
(2) Collapsible gates	110
(3) Rolling shutters	55
(4) M.S. Tanks	177
(5) Steel windows	220
(6) Carpentry jobs	30
(7) Painting jobs	14
(8) Annual Survey of boilers	2
(9) Repairs to hospital furniture and equipments	2411
(10) Masonry repairs jobs	10
(11) Major jobs such as erection demolition, special repairs, shifting of heavy machinery and equipments, etc	6

(12) Water pumping sets	..	..	..	..	..	7
(13) Repairs to mutton and vegetable stalls	..	..	..	..	..	15
(14) Drawings prepared	..	..	..	..	..	58
(15) Sketches prepared	..	..	..	..	..	58
(16) Tracings prepared	..	..	..	..	..	1100
(17) Nowghasi Gang major works	..	..	..	..	..	11
(18) Masonry work	..	..	..	..	..	30

The following special works were carried out during the year 1980-81.

- (1) Installation of L.P.G. tank and pipe line at B.Y.L. Nair Hospital.
- (2) Installation of L.P.G. Tank and pipe line at K.E.M. Hospital.
- (3) Fabrication, supply and installation of 30 Kgs capacity Hydre extractor machines (2 Nos.) at M.P. Laundry.
- (4) Manufacturing, supplying and installation of GI/MS hood for kitchen room at L.T.M.G. Hospital.
- (5) Manufacturing, supplying and fixing T.W. Laboratory counters for Gynac and O.B.S.T. Department of L.T.M.G. Hospital.
- (6) Providing cathodic protection to L.P.G. underground tank at Nair Hospital.
- (7) Providing and fixing slotted angle racks at Students' Library at Seth G.S.M. College.
- (8) Manufacturing, supplying and placing steel cabinets for keeping microscope slides at Nair Hospital.
- (9) Providing new cash counter at A.A. 51 K's office at Andheri (West)
- (10) Fabrication and supplying wooden chowkies, wooden platform with railing etc. for A.M. work.
- (11) Manufacturing and supplying T.W. locker cabinets for M.G.M.O. Swimming Pool at Dadar
- (12) Providing fuming chamber for department of Paidiatrics at K.E.M. Hospital.

During the administrative year this section completed the work to the tune of Rs 30,00,000/-

(vi) *Foundry Shop* : Municipal Foundry situated at Municipal workshops casts ferrous and non-ferrous items as per requirements from various Municipal Departments. For ferrous casting there is one No. of 2 Ton/hr. capacity cupola and for non-ferrous casting 2 Nos. of coal fired pit furnaces. C.I. manhole frames and covers are the main products of Municipal Foundry other articles include pump casting, casting type impellers housing, blades, hubs bushings, frames, gun-metal bronge, white metal bearings and special alloys, etc.

During the year under report, Foundry has received 140 Nos of jobs out of this 132 Nos. of jobs completed and 12 jobs of the year 1979-80. Foundry has supplied to Dy. Ch. Engineer (Stores). and other departments 722 Nos. of manhole frames and covers and 87 Nos. of Rectangular M.H.F. & C, 4 boxes and 337 steps against a guarantee of 600 Nos. of manhole frames and covers per year.

Due to non stock of loyahad H.P. hard coke, municipal foundry were completely stopped from

2-6-1980 to 27-6-1980	..	..	..	..	..	26 days
And 1-9-1980 to 4-1-1981	..	..	..	..	..	126 days
					Total	152 days

(vii) *Municipal Power Laundry* :

During the year Laundry washed 60,26,271 linen of 48 Medical Institutions at Rs. 60 per 100 pieces of linen from April 1980 to September 1980, at Rs.80 per 100 pieces of linen from October 1980 to December 1980 and Rs. 90 per 100 pieces of linen from January 1981 to March 1981.

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 recommendation 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 of the works carried out are furnished in Appendix 8.

(iii) *Plant and Machinery Section* :— This section carries out repairs and maintenance of Electrical Machinery and Electrical works in the existing Municipal properties.

58 Estimates were prepared.

114 works were carried out through outside agencies costing Rs. 3,53,260.

470 works were executed departmentally costing Rs. 6,97,037.00.

(iv) *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 144 estimates amounting to Rs. 36,51,944 prepared and works of electrification, providing pumping sets electrical fans, fitting clocks, repairs etc., amounting to Rs. 10,49,516

(v) *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 purchases and installation of air conditioning and Refrigeration Machinery under Loan Works Programme as well as under the Revenue Budget for City and Suburbs. Moreover, the works pertaining to repairs, maintenance and servicing of existing air-conditioning and refrigeration machinery in the City, Subs. and Extended Subs. is also looked after by this section. The works of Repairs/Maintenance are carried out through private agencies by inviting quotations and by entering into service contracts. The work of servicing and maintenance of the equipments, located at major Municipal Establishment, however, is carried out departmentally, the details of which can be seen in Appendix—7.

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, Dy. Head Supervisors, Assistant to the Head Supervisor and by two Executive Engineer in the Transport wing. The Transport Wings provide vehicles for transportation of refuse and cesspool contents from unsewered area.

Solid Waste Management :— The service consist of collection, removal and disposal of garbages and sweeping from the Public Roads, streets, foot-paths and by-lanes and maintenance and 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 8.60 Lakh tonnes.	2355 tonnes.
Subs & Ext. Subs. 4.09 Lakh tonnes.	1122 tonnes.

During the year 578 (City), 518 Sub. and (Ext. Subs) Hutmet Colonies situated on the Government of Maharashtra Housing Board, private and B.M.C. s lands were attended to and 26,000 tonnes (City), 70,700 tonnes (Subs. and Ext. Subs.) refuse was removed from 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	49,595	1,19,630	29.71
2	Subs & Ext. Subs.	40,695	39,886	49.51

18 Nos. compacting vehicles which carry 2½ 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 and Few Suburban Wards was 9,55,852 tonnes The final disposal of refuse in suburbs was done by reclaiming low-lying land at Chincholi, Gorai, Esic Nagar and Charkop in Eastern Suburbs and Deonar and Mulund in Eastern Suburbs. Total disposal in the Suburban dumping ground was 769498 tonnes.

(iv) *Collection, Removal and Disposal of Night Soil* :

Night Soil, Collection and disposal service was rendered to 3569 basket privy seats Total 591 Kilo Litres quantity of night soil was removed daily in the City and Suburbs 250 kilo litres quantity of Night Soil was removed in Municipal Mechanical traction using 2 vehicles per shift and emptied in Night soil Depot at Dharavi and Kurla.

(v) Public and Private Latrines and Urinals :

During the year 1168 public sanitary conveniences with 10,722 W. C. seats and 1000 urinal stalls were maintained, there exist 112 separate urinal blocks with 447 urinal stalls in the City area and 179 urinal blocks with 716 urinal stalls in Subs. & Ext. Subs. were maintained.

(vi) Prevention of Nuisance :

During the year 1655 cases in the City and 2131 cases in the Suburbs and Extended Suburbs were made by 94 Nuisance Detectors for offences such as Urinating, detecting and throwing refuse on public roads under section 115 of Bombay Police Act and Rs. 33,722 were recovered as fine. During the year 1286 cases in the City and 1255 cases in Suburbs were made under section 372 (E) of the Bombay Municipal Corporation Act and Rs. 21,555 and Rs. 21,912 were levied as fine respectively in the City and Suburbs.

(vii) Removal and Disposal of Dead animals :

The work of removal and disposal of dead animals from area within the Greater Bombay Limits is carried out by the contractors Bombay Khadi and village Industries Associations. Skinning work is being carried out at village Bapne in Thana District since 1-5-1973 about 76316 dead animals were removed during the year.

(viii) Conservancy and Special Services :

These services were rendered to circuses, Exhibitions Big-concerns, Industrial Establishments etc., on payment of Scheduled charges. A amount of Rs. 37,23,701 was collected for rendering conservancy services.

(ix) Conservancy Staff Quarters :—

160 Labour Chawls in the City and 122 chawls in Suburbs with 4113 and 1815 tenements respectively were looked after and maintained for housing conservancy staff. 49% and 37% of the staff in the City and the Suburbs respectively have been provided with the free accommodation and the rest are given House Rent Allowance.

(x) Labour Welfare :—

26 Nos. welfare centres are functioning for the benefit of conservancy staff at different places in the City and Suburbs.

(xi) Co-operative Credit Societies for Labourer :—

There are in all 12 Co-operative Credit Societies with an aggregate membership of 7273 members for the benefit of Labour Staff of the Branch. The share capital subscribed was Rs. 38,70,583/-

(xii) Expenditure on conservancy Services

The total expenditure incurred on Conservancy Services for garbage cess pool and public sanitary, conveniences etc., during the year was Rs. 10,35,85,214.44 out of which Rs. 9,81,497,89.14 was for clearance, transportation and disposal of refuse of 8.60 lakhs tonnes. The expenditure on Halalkhore services in the City and Suburbs were Rs. 54,35,425.30 and Rs. 55,48,7,969.00 respectively. The cost per tonne of garbage come to Rs. 120/- and per capital Rs. 23.97.

(xiii) Spectal features :—

- (a) Rat Incinerator at Haffkine Institute is installed and will be commissioned shortly.
- (b) 250 kg./hour capacity incinerator plant installed at group of T. B. Hospital at Sewri for burning of hospital refuse has also been commissioned.
- (c) Emergency services were given in all city wards. 87 chronic complaints were attended during night time and 1710 tonnes of refuse was removed.

(9) TRANSPORT BRANCH :

The Transport Department (City) is entrusted with the maintenance and operation of vehicles supplied to various Municipal Departments. There are 538 Vehicles 17 Bulldozers and 37 Trailers in the City Fleet.

The overall efficiency of the fleet was maintained at 75 per cent. throughout the year.

During the year 11 new vehicles and 13 new compactors are added to modernise the refuse collection service.

The suburban Transport Department is entrusted with maintenance and operation of vehicles for various departments. New vehicles were purchased and thus, there were 419 vehicles in running condition, excluding the vehicles proposed to be scrapped.

The vehicles which were utilised for rendering the various services are detailed below :—

Health services ...	...	...	...	...	76
Conservancy services ...	...	...	...	...	222
Encroachment removal ...	...	...	...	...	28
Others ...	...	...	...	...	93
				Total	419

ACHIEVEMENTS.

- (a) Selling of the accumulated scrapped material.
- (b) The 18 Nos. of new vehicles were added in the fleet.
- (c) Due to improvement in utilization of vehicles this department has realised Rs. 25,12,813 more than that of last year.
- (d) Total efficiency of the fleet achieved during the year. 74 per cent.

10. PRODUCTIVITY UNIT ;—

Department of Productivity is established for conducting programme aimed at manpower development according to needs and stream lining methods and procedure of work for higher efficiency. This Department suggests ways and means of improved methods, standardising norms, restructuring of organisations, etc.

Need based training programme have been desined to increase the performance index of the employes through required technical, administrative and motivational skills. These programmes are conducted with the co-operation of the internal training faculties as well as the external management consultants or training Industries. To enrich the courses, the Department carries out activities such as —

- (a) Preparation of manuals.
- (b) Preparation of support training aids and literature.
- (c) Maintenance of Library.

During the year special training Classes for promotional examination to the Post of H. Cs. etc., are started and will continue during the following year also. An examination for selection for training to the lower Class employes for promotional examination to the Post of Naon-qualified Averseer was also conducted by this Unit.

Total No. of training programme organised & conducted during the year are 159 which are inclusive of newly developed training programme.

Major and minor projects studies numbering 50 were carried out for various departments, with a view to stream line the existing methods and ensuring optimum utilisation of different resources viz., manpower, materials, money etc.

The Library is provided with 2292 books on Management, Engineering and other allied fields. This year the increase in membership has been 128. The Library has now 1073 members.

Municipal Corporation has approved the layout and building plans for establishment of a civic training centre at Borivali for various disciplines. The work for the centre is likely to start be completed by the year, 1982. The encentre, when fully developed will serve the insternal need and also those of other Local Bodies.

11. MAINTENANCE OF MUNICIPAL BUILDINGS AND ROADS :

(1) Municipal Buildings : Municipal Buildings in the City at the end of the year were :—

- (a) Housings : (Tenements 27775) in the City and (Tenements 8467) in the Suburbs.
- (b) Other Buildings : 1318 in the City and 1017 in Suburbs.

The works of maintenance is classified under the major heads (1) Normal Repairs, (2) Special Repairs and (3) New Works. Normal Repairs include works of monsoon repairs. Special repairs covers the works which are likely to increase the life of buildings or structures were as 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 maintenace of Municipal properties was Rupees 5.33 Crores (City Rupees 2.34 crores and Rs. 3.01 crores) out of this an amount of Rs. 2.76, crores was spent on Normal maintenance. An amount of Rs. 2.59 was spent on new and special repairs works. Works costing Rs. 5.62 crores (City 1.59 crores and Suburbs 4.12 crores) were executed through the Petty Works Contractors. Total No. of works carried out through petty works Contractors was 3574 and total No. of works carried out departmentally was 1454 and the amount of expenditure incurred was 1.38 crores Rupees.

(2) Roads and Footpaths.

and Length of Road (K. M.)

	Cement Concrete	Block tapped	Sett paved	Water bound Macadam.	Others	Total length.
City	162.9636	307.1052	0.53	..	104.2018	574.8006
Suburbs.	..	139.80	630.00	..	5.00	774.80

Improvement of Roads.

	Street Asphalt	Chipon Asphalt	Semi- grouting.	Asphalt concrete	Surface dressing
City.					
Area (Sq. Mtrs.)	.. 17,514	2,842	..	..	47,951
Expenditure (Rs. in lacs)	.. 3,55,870	..	..	..	2,98,693
Suburbs.					
Area (Sq. Mtrs.)	.. ..	10,000	28,270	3,000	1,72,622
Expenditure (Rs. in lacs.)	.. ..	1,50,000	9,59,800	5,81 000	23,17,636

Rs. 103 crors and Rs. 63.84 lacs have been spent on repairs of road including reinstatement of trenches in City and Suburbs respectively.

344 works and 1043 works costing Rs. 26 lacs and Rs. 308 lacs respectively in City and Suburbs were executed through the Annual Petty works contractors.

As usual an amount of Rs. 2,70,128 was paid to Bombay Port Trust for clearing and repairing the Port Trust wharves and Roads.

Miscellaneous works like repairs, repainting of sheets name boards, providing new boards, maintenance of public movements, benches on the Footpath and guard railings were under taken as usual.

While widening road 2163.22 sq.mtrs. land & 36722.87 sq. mtrs. land was acquired under setback and compensation claims for set back settled during the year amounted to Rs.1.89 lacs. and 16.76 lakhs in city and Suburbs respectively.

There were 38 road rollers out of which 1 petrol driven and 34 were diesel driven and 3 steam driven.

Permits :— 2836 permits in City and 6324 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 amount of Rs. 38,896 in City and Rs. 1,111.41 in Suburbs were recovered as fees for the purpose.

429 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 956 in City and 351 in Suburbs permits were issued for occupation of roads for erecting mandaps, placing chairs and benches etc., and Rs. 49,431.70 were realised from City and Rs. 5,500 from Suburbs.

12.—Asphalt Plant and Crusher —

The work of asphaltting roads approved by the Corporation was continued during the year and Roads covering an area of 1,46,573 Sq. mtrs, were asphalted at a cost of Rs. 34,58,551.16 (Please see Appendix II).

Asphalt Plant. :—

(a) The Municipal hot-mix asphalt Plant at Worli was in operation through out the year except during the monsoon from July 1980 to October 1980. The Pegaon Plant mixer worked for taking out cold-mixed materials required to fill in the potholes in the City and Suburbs. The labourers for running the Asphalt Plant were engaged departmentally.

(b) The total area of 18,732 Sq. mts. of potholes was repaired during the year.

(c) Capital roads admeasuring 77,638 Sq. mts. were repaired by surface, chip coat, Grit coat.

The main Asphalt Plant and Pegaon Plant worked for 294 days and remained closed for 71 days on account of rainy season, Sundays holidays and break downs 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. 34,58,551.00.

The area of 50203 Sq. mts. was repaired by providing surface coat, chip coat, grit coat etc., grouted roads.

The total turn out by the main and Pegaon Plant were 9724300 kgs. and 3402400 kgs. respectively please.

13. BUILDING AND ROAD MATERIALS TESTING LABORATORIES AT WORLI :

I. Road Material Testing Laboratory :

Tests on	No of tests done	Amount of Revenue earned
(1) Asphalt Mixes	9,454	3,089.00
(2) Aggregate Samples	220	245.00
(3) Soli Samples	339	1,790.00
(4) Bitumen Samples	6	150.00
(5) Chemical Analysis on water	12	..
Total	10,031	5,274 00

Cost of testing Municipal samples which are tested free of cost is Rs. 92,783.00

II. Building Materials Testing Laboratory :

Particulars of the samples.	No. of samples Tested			
	Deptt. work	Govt. work	Private work	Total No.
Concrete ..	4342	2123	2036	8501
Bricks ..	1020	300	65	1385
Cement ..	42	33	27	102
Miscellaneous Sieve analyses Hammer tests etc. ..	Not Separated			9

Table No. II

Particulars of the samples.	Cost of testing actually Recovered in Rs.			Total cost in Rs.
	Deptt.	Govt.	Private	
Concrete ..	1,455.00	15,922.50	30,540.00	47,917.50
Bricks. ..	13,260.00	3,900.00	845.00	18,005.00
Cement ..	2,205.00	3,465.00	2,835.00	8,505.00
Miscellaneous Tests. ..	..	..	..	930.00
Hire of Moulds. ..	..	..	..	880.00
			Grand Total:	76,237.50
Free cost of testing (cement) Rs. 2,205.00				
—, —, — (concrete) Rs. 63,675.00				
Total cost of work done :		1,42,117.50		1,42,117.50

14. PUBLIC STREETS LIGHTING :

Lighting Electric street lamps on the Roads, Gardens, on foot over bridges were 25,436 in the City and 32,089 in Suburbs giving an increase of 610 and 1829 respectively over the last year.

The details of the different types of street lighting lamps of wattages varying from 80 watts high pressure mercury vapours (HPMV) to 400 watts HPMV and from 500 watts (Tungstone Filament) T. F. to 1000 watts T. F. are shown as follows —

Description.	T. F. Lamps.	H.P.M.V. & Flourscent	T. D. Ballards.	Total
Municipal	11,936	31,455	347	43,738
All in hire	Nil.	13,789	Nil.	13,789
			Total	57,527

During the year 5,925.774 K. wts (Load) and 21,69,302 K.W.H. units were consumed for maintenance of street lighting through B. E. S. T. Undertaking.

Additional expenditure of Rs. 53,438 has been incurred on street lighting on number of roads and junctions, some of the newly constructed roads were provided with street light, some of the street light poles were required to be shifted from traffic point of view due to widening of roads.

Additional expenditure of Rs. 3,91,350 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, whars, docks and bunders.

The lighting arrangement on 56 roads have been improved, street lights were provided on 40 new roads.

The temporary lighting arrangement was provided during the Ganapati Festival at Girgaum Chowpatty, Cuffe parade, Mazgoan pier Banganga, worli, Prabhadevi, Dadar, Shivaji Park Sewri, Mahim Beaches for safety of General Public Visiting immersion ceremony.

The lighting arrangement was provided during Navratri, Festival at Mahalaxmi Temple area Mahim Fair at Mahim and on 'New Year Eve.' at Gateway of India

The traffic islands, central divider and railing have been provided at 115 different road junctions at the approximate total cost of Rs. 21,98,190.

All these lighting arrangements were provided at the cost of Corporation from safety point of view.

As on experimental basis Hutatma Chowk (Flora Fountain) has been provided with semihigh mast lighting being a success. The highmast lighting at Khodadad circle, Dadar, has been donated by Messrs. Philips India Ltd., has been illuminated in the month of February 1981.

(ii) *Removal of Vehicles*

Vehicles which were found undergoing repairs or abandoned on public roads or footpath thereby causing obstruction to traffic and pedestrian, removed in 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 1243 out of which 1166 vehicles retrieved by the parties were released on payment. Steps are taken to auction the unclaimed 77 vehicles to recover Municipal dues.

(iii) *Traffic :—*

The work of constructing traffic islands, central dividers, R.C.C. Railings, were carried out on 90 roads at the approximate cost of Rs. 19,49,605

Automatic traffic signals were not installed during the year due to lockout and strike in the company of sole contractors Messrs. I.T.I. Ltd

Road marking strips, pedestrian crossings and road divide line and Kerbs were painted on all important roads in City and Suburbs.

To provide place for halting B.E.S.T. Buses for diminishing obstruction to through traffic Busbays are being constructed on the Arterial Roads in the City. Uptill now 25 busbays are completed

(iv) *Construction of Roads* : The Road Branch attends to road works, Bridges works, nalla S.W. Drain in City, Subs. and Extended Suburbs. It is in charge of :—

(1) Preparing plans and estimates of resurfacing of existing roads, Construction of new roads, widening of roads, improvement of private street and Bridges Works, Nalla Work, S.W. Drain etc.

(2) Invitation of tenders and awarding contracts for road works, S.W. Drains, Bridges Works Annual repairs of petty works of drainage and anti flood works.

(3) Supervision on the above works.

(4) Invitation of tenders for supply of road metals, quarry materials, bitumen, rubble, filler powder coars sand, transporting of bulk bitumen and awarding contract for the same.

(5) Preparing plans and estimate for Project works 50 per cent. of the expenditure in respect of the projects works is reimbursed by the World Bank through B.M.R.D.A.

Storm Water Drains and Nalla Planning : As per recommendation, a high level committee for investigation into causes of flooding in Bombay City and suggesting remedial measures thereof had been appointed under the Chairmanship of Shri S.V. Natu, Retired Chief Engineer of Government of Maharashtra. In their report the following short term and long term measures have been suggested by the Committee for abatement of flooding :—

(1) Desilting of main drains, connecting drains, etc.

(2) Desilting resectioning outfall channels and falls for established proper hydraulic gradient.

(3) Removing all encroachments on and all along covered and opened drains.

(4) Desilting and maintenance of storm water drains within and passing through their premises.

(5) Resectioning, regarding and pitching all kutchra drains.

(6) Providing, pumping stations at out fall of storm water drains, etc.

In view of the above report, following works are mainly attended by the Department.

(1) Survey, Preparing plans and estimates for training of nallas, revers, underground storm water drains and desilting of storm water drains and providing prestressed gully gratings.

(2) Invitation of tenders and awarding contract thereof.

(3) Preparing mode of construction for the road side S. W. Drains in Suburbs.

(4) Desilting of existing S.W. Drains in City area.

(5) Establishment of flood contract rooms during the monsoon period. During the year 35 estimates for training of nallas, and underground S. W. Drains in Suburbs and Extended Suburbs have been prepared, 19 estimates for S. W. Drain in City have been prepared.

15. BUILDING CONSTRUCTION BRANCH.:

This branch supervised the work of Building construction after contracts are awarded by Planning and Design department. A synopsis of the work done by this branch during the year is as Under :—

Particulars.	Zone	Works completed		Works in Progress	
		Nos.	Cost (in lacs)	Nos.	Estimated cost (in lacs)
A. Housing.					
(a) Works including pile foundation	City	..	..	..	..
	W. S.	..	..	2	..
	E. S.	1	27.98	2	147.03
(b) Structures.	City	..	..	..	..
	W. S.	..	..	..	..
	E. S.	3	..	8	..
(c) Tenements.	City	6	69.28	7	215.27
	W. S.	..	..	..	..
	E. S.	130	..	860	..
B: Other than Housing.					
(a) Schools	City	1	16.05	4	174.35
	W.S.	4	23,14,913	7	175,13,426
	E. S.	3	22.27	6	169.90
(b) Markets.	City	1	24.12	4	132.79
	W. S.	2	10,69,044	..	..
	E. S.	..	..	..	..
(c) Hospital & Maternity Homes.	City	1	46.58	9	329.24
	W. S.	3	8,48,198	1	19,66,618
	E. S.	2	11.06	4	391.61
(d) Other works.	City	3	36.07	7	182.65
	W. S.	4	17,85,423	10	250,03,848
	E. S.	4	61.13	11	286.10

16. PRIVATE BUILDINGS AND STREETS :

(i) *Building Proposals* : 4,051 proposals (1,117 in City and 2,934 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 3,121 proposals (669 in City and 2,452 in Suburbs) were passed :—

Serial No.	Particulars	City	Suburbs
1	Building applications received	1,117	2,934
2	Permits for construction of buildings issued	669	2,452
3	Completion certificate received	152	1,433
4	Buildings dealt with	504	3,745

(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	11	1,505	290	22,259
(b) Co-operative Societies	2	259	40	4,181
(c) Employers for their employees	..	37	..	437

772 proposals (347 in City and 425 in Suburbs) for non-residential building were received during the year—But of which 432 (82 in City and 350 in Suburbs) were disposed of and 308 (121 in City and 187 in Suburbs) non-residential buildings have been constructed during the year.

29 layouts 36 proposals for amalgamation and 11 proposals for sub-division were received and 5 layouts 10 amalgamation and 6 proposals for Sub-divisions were sanctioned.

APPENDIX No. I

Statement showing the works of building construction completed and those in progress

(Amount shown in lakhs)

' A ' Works Completed

Serial No	Name of the Work	Expenditure (Rs. in lakhs)
(a) Housing (City)		
1	Construction of 48 tenements at F.P. No. 156, T.P.S. III, Mahim ..	9.49
2	Construction of 50 tenements at Morachiwadi Phase-II	10.68
3	Construction of staff quarters at Haystack Road Mahalaxmi ..	19.45
4	Development of Shivaji Park Hindu Cemetery	10.92
5	Construction of additional floor over municipal staff quarters at Jobanputra compound	8.57
6	Construction of 50 tenements at Gora Gandhi and Ganjawalla Chawls	10.17
	Total ..	69.28
(E.S.)		
1	Construction of multistoreyed building to provide 230 tenements at Barve Nagar, Ghatkopar	27.98
	Total ..	27.98
(b) Other than Housing (City)		
1	Re-construction of Masjid Bunder Market	24.12
2	Construction of Maternity Home at Dharavi	46.58
3	Construction of G/South ward at N.M. Joshi marg	28.37
4	Construction of School Building at Lakhamsi Nappo Road ..	16.05
5	Erection of communication Tower at Byculla Fire Station	4.00
6	Construction of fountain at (i) Jerbai wadia Road, (ii) Thakre Udyan and (iii) Abhudaya Nagar at Kalachowky.	3.70
	Total ..	124.82
(W.S.)		
1	Construction of School Building at 8 No. 341 (part), Government Colony, Bandra. (E).	5,03,747.00
2	Development of Khar Market near Railway Station ..	7,07,428.00
3	Construction of Municipal Market at China Baug, Vakola, Santacruz (E)	3,61,617.00
4	Additional floor over School Building at Kalina, Santacruz (E) ..	1,48,979.00
5	Construction of coroners' court at Dr. R.N. Cooper Hospital, Juhu, Vile Parle (West)	8,12,198.00
6	Construction of Maternity Home and Dispensary at Oshiwara dumping ground, Jogeshwari (West)	6,71,391.00
7	Pile foundation for the proposed Maternity home at Squatters Colony, Jogeshwari (West)	1,11,886.00
8	Construction of cemetery near Mithi River Marol, Andheri (West), Phase-I	1,56,967.00
9	Extention to School Building in Municipal Housing Colony, Mitha Nagar at M.G. Road, Goregaon (West)	6,40,040.00
10	Construction of School Building at Rajendra Nagar, Borivali (East) ..	10,22,147.00
11	Construction of Dispensary at Municipal Colony, Malvani, Malad (West)	64,921.00
12	Construction of Public Auditorium on Plot 5-B, at Goshala Lane, Malad (East)	6,84,228.00
13	Construction of proposed lecture hall at Bhagwati Hospital at Borivali (W)	1,32,630.00
	Total ..	60,08,189.00

APPENDIX No. 1.—(Contd.)

Serial No.	Name of the work	Expenditure (Rs. in lakhs)
(E.S.)		
1	Extention to School Building at S.L. Road Mulund	8.14
2	Construction of 'M' Ward Office Building at Chembur	56.03
3	Construction of School Building at Dr. Jaokar's Plot, Chunabhatti, Kurla (Work is terminated).	3.93
4	Construction of School Building at Anik Village, Chembur	10.20
5	Proposed fountain at Acharya Garden, Chembur	3.25
6	Construction of upgraded dispensary at Tilak Nagar, Chembur	3.59
7	Expansion of maternity home at Chembur (Work is proposed for termination).	7.47
8	Proposed fountain at M.P. Road, Garden, Mulund (Work is terminated)	0.45
9	Providing pavement in sheep grazing yard and cattle grazing yard at Deonar Abattoir.	1.40
Total		94.46

'B' Works in Progress

Serial No.	Name of the Work	Estimated Cost	Expenditure incurred upto 31-3-1981
(a) Housing (City)			
1	Construction of 282 Tenements and 8 shops at Sector 'B' Dharavi.	71.00	51.00
2	Guniting to 1 to 19 B.I.T. Chawls at Bellasis Road	29.10	11.20
3	Construction of 45 Transit Tenements at Tardeo	5.20	1.00
4	Construction of 72 Tenements at Sanaswadi, Mazgaon Division.	19.32	6.79
5	Construction of superstructure of Tenements at Sukhlaji Street, Phase-I.	22.76	2.66
6	Construction of conservancy staff quarters at Phalke Road, Gautam Nagar.	22.04	0.80
7	Construction of tenements at 358 Tenements Colony Abdul Gaffar Khan Road, Worli.	45.85	1.30
Total		215.27	74.75

(W.S.)

1	Construction of tenements on 16-B, TPS VI, Shastri Nagar, Santacruz (W).	20,67,794.00	12,17,841.00
2	Construction of Ghadiali Chawl at Borivali (West)	5,90,112.00	1,08,175.00
Total		26,57,906.00	13,26,016.00

(E.S.)

1	Construction of 260 tenements for redevelopment of chembur labour camp.	60,20,743.00	28,86,022.00
2	Construction of 600 Tenements at Deonar Slaughter House, (Work is stand-still).	82,81,928.00	..
Total		1,47,02,671.00	28,86,022.00

APPENDIX No. 1 (Contd.)

Serial No.	Name of the Work	Estimated Cost	Expenditure incurred upto 31-3-1981
(Rs. in Lakhs)			
(b) Building other than Housing (City)			
1	Repairs to roof and drainage arrangements for fruit and vegetable section of M.J.P. Market.	42.51	8.13
2	Expansion of Municipal Printing Press at Carnac Bunder	18.45	3.88
3	Construction of Shed No. 5 & 8 at M.J.P. Market ..	5.90	3.15
4	Construction of temporary Eggs and Mutton Stalls at M.J.P. Market.	6.61	..
5	Construction of maternity home and dispensary at Zavba-wadi, Thakurdwar.	56.03	20.29
6	Construction of Gymnasium Building at B.I.T. Chawls, Bellasis Road.	7.54	3.97
7	Construction of lift Block at Nair Hospital ..	21.87	12.83
8	Pile foundation for multistoreyed building at Nair Hospi-tal (600-bedded)	96.75	62.00
9	Expansion of Kamathipura Eye Hospital ..	43.39	..
10	Construction of School Building at Finlay Mill Com-pound, Government Gade Road	40.43	32.40
11	Construction of Library Building at G.S.M. College, K.E.M. Hospital, Parel.	36.88	24.01
12	Construction of multistoreyed building for store in the compound of K.E.M. Hospital, Parel.	19.83	7.59
13	Construction of Market at Elphinstone Road ..	77.77	..
14	Additions alterations and expansions in the K.E.M. Hospital Building.	36.79	4.82
15	Construction of Transport Garage at Dr. E. Moses Road, Worli	91.94	10.42
16	Construction of School Building at Sitaram Mill Com-pound, Lower Parel Division	52.58	6.51
17	Construction of community centre at Worli Love Grove Pumping Station.	9.20	1.50
18	Construction of School Building at Joglekar Wadi near Nehru Garden	66.90	7.73
19	Additions and alterations to O.P.D. at L.T.M.G. Hospital Sion.	12.42	1.96
20	Construction of Laundry and Kitchen block at Ackwoarth Leprocy Hospital, Wadala	5.38	0.71
21	Pile foundation for proposed School Building at C.G.S. Colony at Sion Koliwada.	14.44	1.20
22	Improvement of Dharavi Hindu Cemetery ..	11.40	2.56
23	Construction of compound wall and Security Chowky in City	27.81	13.62
24	Pile foundation for cement Godown at C.S. N.M. Joshi Marg, Byculla	16.23	..
Total ..		1,034.40	229.28
(W.S.)			
1	Construction of School Building at Jawahar Nagar, Khar (West).	13,71,953.00	2,39,561.00
2	Proposed additional floor over School Building at Plot No. 370, Vakola, Santacruz (East).	6,23,583.00	..
3	Construction of School Building at Gandhi Gram Road, Juhu, Vile Parle (West).	22,17,397.00	..
4	Proposed Construction of Surat type pyres and replace-ment of existing pyres in suburbs (H.K.M. Wards).	10,95,826.00	..
5	Water proofing treatment to the existing basement of Municipal Office Building at Waterfield Road, Bandra (West).	90,314.00	..
6	Construction of centralised Ambulance Service Building at Dr. R.N. Cooper Hospital, Juhu, Vile Parle (West).	45,74,331.00	10,72,684.00
7	Construction of School Building at Tarun Bharat Society- Chakala, Andheri (East).	26,86,938.00	28,262.00
8	Construction of Fire Brigade Head Quarters at the Junction of Kurla Andheri Road, Marol, Maroshi Road, Andheri (East).	62,03,881.00	23,51,799.00

APPENDIX No. 1 (Contd.)

Serial No.	Name of the Work	Estimated Cost	Expenditure incurred upto 31-3-1981
			<i>Rs. in Lakhs</i>
9	Construction of Electric Crematorium at Hindu Cemetery Oshiwara Jogeshwari.	37,41,294.00	11,85,425.00
10	Proposed construction of Maternity Home, Upgraded dispensary at Marol, Andheri (East).	19,66,618.00	5,93,466.00
11	Providing pile foundation for school building at Gundavali, Andheri (East).	4,17,042.00	9,05,018.00
12	Work of pile caps with plinth beams and construction of superstructure for school building at Oshiwara dumping ground S. V. Road, Jogeshwari (West).	35,53,418.00	2,41,539.00
13	Proposed development of Mithi river cemetery at Andheri (East), Phase-II.	13,06,475.00	..
14	Construction of cattle pound at Malad	11,15,417.00	89,189.00
15	Construction of compound walls and quarters for watchmen for Protection of Municipal Vacant land reserved for public purposes H/E, H/W, K/E, K/W, P & R Wards.	54,47,259.00	3,38,348.00
16	Construction of School Building at Eksar Village, Borivali (West).	66,44,095.00	11,73,798.00
17	Dev. of cemetery at Dahanukar Wadi, Kandivali (W)	6,38,735.00	2,51,263.00
18	Proposed construction of Mortuary in the compound of Harilal Bhagwati Municipal Hospital, Borivali (W).	7,90,816.00	1,42,291.00
	(E.S.)		
1	Construction of Centenary Hospital at Govandi ..	2,55,73,518.00	61,54,696.00
2	Construction of Ambulance Service at Mulund ..	38,25,416.00	16,55,882.00
3	Construction of godown for storage of hazardous goods at Deonar.	16,45,486.00	10,24,542.00
4	Construction of permanent office building loading and unloading platform at Octroi Naka, Mulund (West).	37,66,500.00	13,85,820.00
5	Construction of compound walls for protection of Municipal vacant lands in L. M, N and T Wards.	34,46,216.00	17,20,150.00
6	Expansion of Dhanshi Devshi school at Hingawala Lane, Ghatkopar (East).	10,19,807.00	4,73,606.00
7	Proposed School Building at Plot given by Children Aid Society at Agarwadi, Mankhurd.	33,64,228.00	9,96,649.00
8	Construction of school building at Poddar Compound, Ghatkopar.	47,16,912.00	12,14,930.00
9	Repairs and renovation of school building at Chembur Colony.	11,48,491.00	8,38,930.00
10	Proposed additional two floors over C.A.'s Building at Mulund.	60,93,743.00	3,89,415.00
11	Providing compound wall and amenities for cemetery Ward No. 134, Tagore Nagar, Vikhroli.	17,76,697.00	1,32,550.00
12	M.S. grill, Pathways, compound wall at Acharya Garden, Chembur.	4,20,062.00	1,95,005.00
13	Construction of three additional floors and lift block at Bhabha Hospital, Kurla.	36,76,528.00	2,00,007.00
14	Development of garden at M. P. Road, Mulund (East)	37,84,000.00	2,59,666.00
15	Providing compound wall and filling work in the cemetery at Deonar.	11,23,439.00	1,43,100.00
16	Proposed construction of Muslim cemetery behind I.O.L. at Vikhroli (West).	8,97,213.00	1,35,836.00
17	Proposed construction of bull dozer garage at Deonar	25,05,587.00	..
18	Construction of School Building at Parsiwadi, Ghatkopar (West).	61,31,218.00	..
19	Construction of swimming pool at Chembur ..	77,39,615.00	..
20	Development of Karia Estate Bhandup (West) for proposed ward office building.	15,05,459.00	..
21	Proposed auditorium at Rajawadi School, Ghatkopar (East).	6,09,482.00	..
	Total ..	8,47,69,617.00	1,69,20,145.00

APPENDIX No. 2.

Statement showing details of repairs to roads and foot-paths carried out by
Assistant Engineer Asphalt departmentally.

(Rs. in Lacs)

Serial No.	Mode of Repairs	Area in Mts.	Amount
			Rs.
1	Asphalt Roads repaired with Binder Grit Coat, Surface Coat, etc.	77,638	20,52,387.90
2	Bitumenous roads repaired with Chip Coat.	50,203	12,48,811.40
3	Potholes repaired	18,732	1,57,351.86
		1,46,573	34,58,551.16

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	722	1,75,446	540.00	Each	3,89,880.00
2	Rectangular M.H.F. & Covers (914'×457) mm.	32	7,840	600.00	Each	19,200.00
3	Rectangular M.H.F. & covers (914×610 mm.)	55	17,820	720.00	Each	39,600.00
4	S.T. Boxes	24	720	60.00	Each	1,440.00
5	O.P. Boxes	4	80	90.00	Each	360.00
6	C.I. Steps	340	1,700	13.00	Each	4,420.00
7	C.I. Machinable castings	Lot	50,000	6.00	Each	3,00,000.00
8	C.I. Non-machinable Castings	Lot	5,000	6.00	Each	30,000.00
9	C.I. Wheel 6"×2"	200	200	6.00	Each	1,200.00
10	Brass Castings	Lot	1,640	45.00	Each	73,800.00
11	Copper Castings	Lot	35	45.00	Each	1,575.00
12	Alluminium Castings	Lot	80	20.00	Each	1,600.00
13	Alluminium Number Plate	40 Nos.	..	10.00	Each	400.00
14	White metal bearing	12 Nos.	..	200.00	Each	2,400.00
				Total	..	8,65,875.00

APPENDIX No. 4.

Statement showing the details of asphalt plant production.

	Main Plant.	Pegson Plant
	K.G.	K.G.
Binder	17,150	..
Surface	51,13,080	..
Chip coat	22,19,790	8,02,920
Grit coat	35,750	..
Premix 1"	3,640	4,550
Premix 1/2"	23,34,890	25,94,930
	97,24,300	34,02,400

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	Sub.	City	Subs.	Civil		Elect.		City	Subs.	
						City	Subs.	City	Subs.			
Loan Work												
1	Schools.	12	21	16,66,300	42,17,600	...	...	...	...	...	...	...
2	Housing.	27	13	39,46,430	18,45,500	...	...	...	...	...	...	...
3	Medical Institutions & Nurses Quarters.	15	3	63,80,300	68,02,000	...	...	...	...	...	...	...
4	Markets.	9	4	19,10,800	3,25,100	...	...	...	...	...	...	...
5	Offices.	3	3	22,34,000	23,70,500	...	...	...	...	...	...	...
6	Slums.	3	4	1,48,600	1,47,300	...	...	...	...	...	...	...
	a) Schools.	2	3	80,194	3,72,476	2	3	...	...	...	80,194	3,72,476
	b) Health Centres	...	3	...	4,74,260	...	3	...	...	...	...	4,74,260
7	Lifts.	5	2	17,34,300	7,46,230	5	1	...	...	...	20,25,202	2,34,375
8	Intercommunication System	11	5	4,37,896	3,11,918	6	1	...	...	...	1,20,395	37,595
9	Miscellaneous.	15	16	83,20,910	31,95,900	...	...	...	...	...	...	...
10	Submersible pumps for fountains, electrification of Sub-ways and additional electrification work at Nair Dental Collage.	3	...	5,14,141	...	3	...	...	...	...	5,14,141	...
Total:		105	77	2,73,73,871	2,08,08,784	16	8	...	...	...	27,39,932	11,18,706

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'		Estimated cost Rs. in lakhs'				
		City. (Proj.)	Sub. (Proj.)	City. (Proj.)	Sub. (Proj.)	City. (Proj.)	Sub. (Proj.)	City. (Proj.)	Sub. (Proj.)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
				Rs.	Rs.			Rs.	Rs.	
1	Road surfacing work in asphalt concrete.	2	3	1.59	13.48	11	1	5.17	7.66	
2	Road surfacing work in cement concrete	..	...	..	...	4	...	1.74	...
3	Construction of new road including S. W. Drains. (Proj, Haji Ali)	4	6	9.74	58.61	1	20	29.49	410.05	
4	Road widening Project Section.	...	..	10	..	3	54	60.45	1385.42
5	Any other works a) Road Works b) Bridge Works	..	14	4	184.81	11.99	25	14	666.82	135.87
6	S. W. Drains	1	...	1.12	...	2	...	17.10
7	Nalla work	3	...	14.47	...	9	...	69.06
Total		...	20	27	196.14	159.06	44	100	763.67	2025.16

APPENDIX No. 7

Statement showing the details of works carried out by Air-Conditions & refrigeration Section (City and Suburbs)

Serial No.	Nature of Proposed.	Estimate prepared.		Works Contracts awarded				Works completed.				Works in progress						
		City		Suburbs.		City		Suburbs		City		Suburbs						
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount					
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.						
Loan Works																		
1	Central Plants.	...	4	52,02,450.00	...	...	2	19,60,450.00	...	...	...	...	...	...	2	19,60,450.00
2	Packaged Type Water Cooled.	...	5	18,01,775.00	2	11,36,241.00	...	...	...	...	...	...	...	...	...	...
3	Package Type Air-Cooled.	...	...	...	1	89,643.00	...	...	...	...	...	...	...	...	...	...
4	Window Air-Conditioners.	...	3	1,78,203.00	1	1,69,310.00	...	...	...	...	...	...	...	...	...	...
5	Morturies.	...	3	14,16,257.00	1	5,04,000.00	...	...	...	...	...	...	...	...	...	...
6	Ventilation Plant* Miscellaneous.	...	1	1,64,560	...	...	...	...	...	...	...	...	...	...	...	...
7	Roof Insulation, Boxing Ducting, False Ceiling and Accoustic Treatment.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Providing Electric supply to Air Conditioning equipment and submersible pump set.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Blood Storage Cabinets Water Coolers.	...	1	1,67,830.00	3	2,18,850.00	...	...	1	29,001.00	...	...	...	...	...	...
10	Cooling Tower.	...	1	37,000.00	...	...	...	...	...	...	...	...	...	...	...	...
	Total Rs.	...	18	89,68,075.00	8	21,18,044.00	2	19,60,450.00	1	29,001.00	...	...	...	...	2	19,60,450.00
Revenue Works.																		
1	Window Air Condition.	...	5	2,96,776.00	3	80,599.00	1	14,726.00	2	1,85,997.00	1	30,113.00	1	...	2	2,15,449.00
2	Repairs to Windows Air Conditioners Machinery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Misc. Electric wiring.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Refrigeration/Water Coolers.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Roof Insulation, Ducting, Boxing, Accoustic Treatment False Ceiling.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total Rs.	...	5	2,96,776.00	3	80,599.00	1	14,726.00	2	1,85,997.00	1	30,113.00	1	...	2	2,15,449.00

APPENDIX No. 8

Statement showing details of works carried out by building construction
(Electrical Section)

Serial No.	Description of the work	Works Completed	Actual Expenditure	Works in progress	Expenditure up to 31-3-1981 (Rs. in Lacs)
			Rs.		Rs.
	Electrification of providing Electrically driven water pumping sets at—				
1	<i>Schools—</i>				
	City	5	6,28,000.00	..	..
	Western Suburbs	8	7,04,900.00	4	4,52,000.00
	Eastern Suburbs	3	3,50,000.00	6	1,08,000.00
2	<i>Ward Offices—</i>				
	City	1	1,70,000.00	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs	2	3,25,000.00	1	..
3	<i>Hospital & Dispensary & Maternity Home—</i>				
	City	2	2,50,000.00	2	3,20,000.00
	Western Suburbs	6	4,34,000.00	3	4,60,000.00
	Eastern Suburbs	2	2,75,000.00	2	1,90,000.00
4	<i>Markets—</i>				
	City	2	1,70,000.00	1	10,000.00
	Western Suburbs	2	2,36,000.00	..	1,36,000.00
	Eastern Suburbs	1	95,000.00	..	..
5	<i>Housing —</i>				
	City	3	2,19,000.00	3	3,10,000.00
	Western Suburbs	1	45,000.00	3	45,000.00
	Eastern Suburbs	2	2,85,000.00	1	50,000.00
6	<i>Garages—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
7	<i>Welfare Centre—</i>				
	City	1	33,000.00	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
8	<i>Lifts—</i>				
	City	2	1,90,000.00	3	2,60,000.00
	Western Suburbs	1	2,30,000.00	2	2,00,000.00
	Eastern Suburbs	1	1,52,000.00	5	7,50,000.00
9	<i>C. meteries—</i>				
	City	2	80,000.00	..	..
	Western Suburbs .. ..	..	..	1	..
	Eastern Suburbs .. ..	..	..	2	..
10	<i>Fire Brigade —</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	1	..
	Eastern Suburbs .. ..	..	..	..	..
11	<i>Drama Theatre—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
12	<i>Swimming Pool—</i>				
	City .. ..	..	..	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs .. ..	..	..	..	..
13	<i>Misc. Works Like P. S. Blocks</i>				
	City	3	92,000.00	..	..
	Western Suburbs .. ..	..	..	..	..
	Eastern Suburbs	4	8,20,000.00	8	3,31,000.00
	Total :	54	54,13,900.00	48	36,22,000.00

APPENDIX No. 9

Statement showing the Road Construction Works completed and those in progress.

'A' Works Completed.

Serial No.	Name of the Work	Expenditure (Rs. in lakhs)
I—Road Surfacing in Asphaltic Concrete		
CITY		
1	Resurfacing with veer Shrikant Keshav Hadkar Marg including laying of S.W. Drains.	88,315.00
2	Resurfacing of papnus wadi Road including improvement of S.W.D.	71,534.00
		1,59,849.00
SUBURBS		
1	Re-surfacing the carriage way of Deen Dayal Upadhyaya Marg, Mulund	4,69,508.90
2	Improving road surface of M.V. Road from junction of Kale Marg to Jarimari, Kurla.	* 95,334.19
3	Improving the remaining portion of Sakivihar Road from said Naka to project office and road connected to it.	7,83,756.07
		13,48,599.16
II—Construction of New Roads		
CITY		
1	Construction of 27.43 m. wide road in asphalt Macadam from Estrelia Battery junction to Dharavi Road including two cross Roads.	5,69,925.00
2	Construction of 18 M/9M wide roads from Nehru Planitorium to Dr. E. Moses Road, Worli.	..
3	Providing 27.45 M. and 13.40 M. wide Road giving access to the B.E.S.T. Depot at Dharavi.	1,25,545.00
4	Construction of 24.4 M. wide road over repaired portion of T.W. Drain between Sane Guruji Road and K. Khayde Marg.	2,79,129.00
	Total ..	9,74,599.00
SUBURBS		
1	Construction of 27 mts. D.P. Road from A.C.C. Railway level crossing to Kesarbaug Nalla and providing S.W. Drains, Mulund (East).	17,37,981.51
2	Construction of 27 Mts. D.P. Road through Garodia Nagar and Pant Nagar Part-II.	11,12,898.95
3	Construction of roads in Bawa Pradumansingh layout with asphalt Macadam and Providing S.W. Drains, Mulund (West).	3,62,193.97
4	Construction, widening and improving of Certain Roads in asphalt Macadam at Park site, Vikhroli (East).	13,47,838.52
	Total ..	45,60,912.95
III—Road Widening		
CITY		
NIL		
SUBURBS		
1	Widening and improving 9½ mts. road near Shankar Temple from L.B.S. Marg to Powai Co-operative Housing Society, Mulund (West).	2,51,170.99
		2,51,170.99

APPENDIX No. 9—(Contd.)

Serial No.	Name of the Work	Expenditure (Rs. in lakhs)
IV—Any Other Works		
CITY		
1	Construction of D.B. Drain across B.P.T. Railway tracks and connecting same to existing D.B. Drain at Zakeria Bunder Road at Sewree.	18,825.00
2	Providing and laying 450 mm. dia. S.W. Pipe drain (NP2 Class) at Shankarrao Naram Path, at Worli.	56,155.00
3	Repairs to pot holes and patch work anywhere in city	3,966.00
4	Repairs to bad spots on major roads in the city.	13,62,927.00
5	Providing and laying S.W. Drain (NPZ Class) in Nair Hospital Compound	1,23,010.00
6	Providing and laying S.W. Drain 600 mm. dia. at Bharat Nagar, Worli. ..	1,77,042.00
7	Providing and laying S.W. Drains on Road Opposite Netaji Subhash Road, New Marine Line in front of Income Tax Office.	34,898.00
		19,46,248.00
SUBURBS		
Nil.		
V—Storm Water Drains		
CITY		
Nil.		
SUBURBS		
1	Providing open S.W. Drains at Kanfnamwar Nagar, Vikhroli (West) ..	1,12,625.93
VI—Nallas		
CITY		
Nil.		
SUBURBS		
1	Training of nalla from Kokan Nagar at L.B.S. Marg, Bhandup. ..	5,66,062.69
2	Training of nalla at Nanepada, Mulund (East)	8,06,657.39
3	Training of nalla from Tata Fizon Gate No. 7 to the culvert across Bal Rajeshwari Road, Mulund (West).	75,141.87
		14,47,861.95

'B' Works in Progress

Serial No.	Name of the Work	Estimated Cost	Expenditure booked upto 31-3-1981 (Rs. in Lakhs)
I—Road Resurfacing in Asphalt Concrete			
CITY			
1	Resurfacing of certain roads in A.P. Part I & IV ..	30,96,198.00	17,84,782.00
		40,18,016.00	13,26,057.00
2	Do. Do. Part II ..	54,18,710.00	31,56,309.00
3	Do. Do. Part III ..	44,77,928.00	31,59,279.00
4	Do. Do. Part V ..	49,88,553.00	33,08,067.00
5	Do. Do. Part VI ..	60,70,058.00	35,63,093.00
6	Do. Do. Part VII ..	48,80,405.00	34,85,852.00
7	Do. Do. Part VIII ..	33,91,664.00	8,48,372.00
8	Do. Do. Part IX ..	79,79,105.00	4,15,000.00
9	Do. Do. Part X ..	36,68,233.00	..
10	Do. Do. Part XII ..	20,39,853.00	..
11	Resurfacing western carriageway of Lady Jamshedji Road between Shivaji Park and Mahim Bus Depot.	17,32,554.00	..
		5,17,61,287.00	2,10,44,811.00
SUBURBS			
1	Resurfacing and widening of D. K. Sandu Road from its junction with R.C. Marg to V.N. Purav Marg at Chembur.	7,66,409.00	6,35,843.97

APPENDIX No. 9—(Contd.)

Serial No.	Name of the work	Estimated Cost (Rs. in Lakhs)	Expenditure booked upto 31-3-1981
II—Road Resurfacing in Cement Concrete			
CITY			
1	Resurfacing with cement concrete 'P' Damello Road from Mallet Road to Princess Dock.	21,70,621.00	8,12,631.00
2	Reconstruction of Dr. Ambedkar Road and Sion Road between B.N. Maheshwari Udyan and Road No. 19, Scheme No. 6, Sion in cement concrete.	72,42,153.00	16,34,216.00
3	Reconstruction of Sion Road between M.L. Chowk and E.E. Highway.	44,62,025.00	19,96,274.00
4	Reconstruction in cement concrete the portion of (a) Sion Road between M.L. Chowk and Road No. 19, Scheme No. 6, Sion and (b) Tilak Road, between Khodadad Circle & Sir Bhakhandra Road.	35,61,625.00	20,97,883.00
		1,74,36,424.00	65,41,004.00
SUBURBS			
Nil.			
III—Construction of New Roads			
CITY			
1	Construction of certain roads with S.W. Drains in B.B.R.S. Block-III.	29,49,569.00	17,09,268.00
SUBURBS			
1	Construction of 27 mts. D.P. Roads through Garodia Nagar & Pant Nagar, Part-III.	54,23,368.00	46,882.47
2	Construction of 18 Mts. D.P. Road from junction of Nahur Village Road to L.B.S. Marg, Mulund (West).	35,20,181.00	10,14,912.21
3	Construction of 13.41 Mts. Road from Kajupada Bridge to Kulkarni Wadi, Kurla (West).	7,57,232.00	2,96,507.73
4	Construction of 18 Mts. D.P. Road through C.T.I. from Kurla Station to Cemetery, Kurla (East).	15,14,937.00	7,73,739.36
5	Construction of 18 Mts. Wadala Ghatkopar Road, Phase-I.	33,59,937.00	5,13,622.69
6	Extension of P.K. Road from Goshala Road to Vidyapati Nagar and Providing S.W. Drains at Mulund (West).	13,76,077.00	3,56,235.52
7	Extension of 18 Mts. D.P. Road with asphalt macadam from R.C. Marg to Sidharth Nagar behind Beggar's Home, Chembur.	7,72,024.00	2,39,051.10
8	Extension of road from Deonar dumping station to Deonar refuse dumping ground and extension of Shivaji Nagar Road.	15,68,076.00	8,27,199.34
		1,82,91,832.00	
IV.—Road Widening			
CITY			
1	Widening and improving portion of Barkatali Durgā Marg	11,91,318.00	3,33,063.00
2	Adding set back lands to roads any where in A, B, C and D Wards.	24,27,310.00	..
3	Adding set back lands to roads any where in E, F and G Wards.	24,27,310.00	..
		60,45,938.00	3,33,063.00

APPENDIX No. 9—(Contd.)

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1980
(Rs. in Lakhs.)			
SUBURBS			
1	Widening and improving Shankaracharya Marg from L.B.S. Marg to Saki Vihar Road, Part-I.	74,99,398.00	1,14,283.83
2	Do. Do. Part-II		16,38,422.66
3	Widening and improving 18.30 road parallel to Rly. line from Bhandup Station upto Bhandup Village.	36,13,884.00	4,43,009.30
4	Widening and improving 18 mts. and 12 mts. Bus route at Pant Nagar and Hingwala Lane in asphalt Macadam and Providing S.W. Drains at Ghatkopar.	18,76,682.00	..
5	Adding road setbacks any where in N & T Ward limit in asphalt Macadam including S.W. Drains and culverts.	18,86,058.00	..
6	Widening and improving L.B.S. Marg from E.E. Co. up to culvert near Johnson and Johnson Co., Mulund (West) Part-II.	..	26,08,026.98
7	Do. from culvert near Johnson and Johnson Co. to trained Nalla Part-III.	1,18,37,902	1,25,137.42
8	Do. from trained nalla to Bhandup Cemetery, Part-IV.		7,94,237.88
9	Adding set backs anywhere in L & M Wards	20,56,657.00	2,81,503.80
10	Widening and improving internal roads at Tilak Nagar, Chembur.	17,75,460.00	4,92,204.83
11	Widening and improving peripheral roads of Deonar Abbatoir in asphalt macadam and providing S. W. Drains at Govandi M Ward.	37,76,233.00	5,60,699.82
12	Widening and improving of internal roads with asphalt macadam in Deonar Abbatoir in M Ward.	11,19,825.00	..
13	Widening and improving Shivajibhai Doshi Marg with asphalt macadam and providing S.W. drains, Chembur.	11,14,337.00	..
14	Widening and improving S.G. Barve Marg from L.B.S. to Mithi River, Kurla (West).	18,49,280.00	3,14,010.32
15	Widening and improving S.G. Barve Marg from calvert to E.E. Highway, Kurla (East).	10,94,469.00	3,36,028.58
		3,95,00,185.00	
V—Any Other Works			
CITY			
1	Training and covering of nall at Antoj Hill, Wadala.	18,18,761.00	4,59,264.00
2	Providing and laying 300 mm. dia. S.W. Drain at Bhanji Rathod Marg from Bodyguard Lane to K. Khadye Marg (Clerk Road).	3,77,749.00	1,93,377.00
3	Coverision of old Dhapa Drain into underground pipe S.W. Drain along Shankar Pupalla Road, Kamathipura.	7,55,924.00	95,307.00
4	Coverision of Old dhapa drain into underground pipe S.W. Drain along Manaji Raj ji Road.	8,07,925.00	46,605.00
5	Providing and Laying 600 mm. dia. pipe (NP2) Class Drain leading to Century Mill Culvert from Century Bazar.	3,73,195.00	1,38,989.00
6	Providing and laying 1400 mm. dia. S.W. pipe Drain in Wadi Bunder Area.	31,08,605.00	..

APPENDIX No. 9—(Contd.)

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1980
(Rs. in Lakhs.)			
7	Providing and laying 300 mm. dia. u/g S.W. Drain along T.J. Road from its junction with Sakharan Lanjekar Marg upto its junction with Acharya Donde Marg.	2,26,420.00	..
8	Training of Nalla at Indira Nagar, Dharavi, Part-I ..	13,85,417.00	..
9	Repairs to bad spots on Major Roads in City except 'C' Ward.	33,51,364.00	..
10	Repairs to bad spots and rectification of bad stretches of roads in C/Ward.	8,10,218.00	..
11	Construction of additional S. W. Drain from Dhobighat upto Joglekar Nalla adjescent nalla to the existing S. W. Drain in Dharavi and construction of S. W. Drain along the periphery of transit camp abutting to 90' Road. ..	27,29,678.00	..
12	Conversion of old Dhapa drain into underground pipe S. W. Drain along Sukhalaji Street at Kamathipura. ..	6,46,360.00	..
13	Providing and laying 450 mm. S. W. Drain pipes (NP 2 Class) drains at Modi Compound, Reay Road. ..	1,09,090.00	..
		<u>1,65,00,706.00</u>	<u>9,33,595.00</u>
SUBURBS			
1	Remodelling of four culverts on L. B. S. Marg, Bhandup...	5,70,551.00	2,01,573.92
VI—Storem Water Drains			
CITY			
NIL			
SUBURBS			
1	Providing open S. W. Drains at Tilak Nagar, Part-I. ..	7,51,541.00	1,54,635.05
2	Providing open S. W. Drains at Tilak Nagar, Part-II. ..	9,58,950.00	3,02,569.74
		<u>17,10,491.00</u>	<u>4,57,204.79</u>
VII—Nallas.:			
CITY			
NIL			
SUBURBS:			
1	Training of Nalla from Tansa main to the culvert across R. C. Marg, Part-II.	20,85,955.00	8,02,641.66
2	Training of nalla at Nimkar Society, Mulund. ..	4,49,367.00	2,58,909.75
3	Training of nalla adjoining Shivaji Kutir from L.B.S. Marg to Mithi River, Kurla. ..	7,11,768.00	34,420.56
4	Training of nalla adjoining Nariman Lane from L.B.S. Marg to Mithi River, Kurla. ..	3,47,331.00	55,174.55
5	Training of nalla from Ekroop Vyayamshala to pole No. 17, Tembepada, Mulund.	2,39,662.00	51,247.68
6	Training of nalla from culvert across E. E. Highway to culvert across 60' in Kannamwar Nagar, Vikhroli (East)...	2,39,991.00	..
7	Training of nalla from Salpadevi Rahiwas'hi Sangh to Rly. culvert at Mulund (West). ..	21,19,556.00	6,90,316.11
8	Training of nalla from Guru Govind Sing Marg to Tansa mains at Mulund (West). ...	3,77,468.00	..
9	Training of covering of nall from culvert across L.B.S. Marg near Johnson and Johnson Co. Mulund (West). ...	3,35,527.00	..
		<u>69,06,625.00</u>	

APPENDIX-10
AIR QUALITY MONITORING PROGRAMME

Serial No.	Monitoring Station Code	Location Address.	Date of Installation	No. of Sampling days in the year.	No. of Samples collected & Analysed.					Total.	
					SO-2	NO-X	SPM	Supha-tion Rate.	S.P.M. Para-meters.		
1	2	3	4	5	6	7	8	9	10	11	
I. HEALTH SURVEY MONITORING PROGRAMME											
1	Railway Colony, Chembur.	B'dg. No. MH/RB/II/1 Railway Colony, Central Railway, Ghatkopar Mahul Road, Vashi Naka, Bombay-400 074.	11-1-78	72	865	870	72	..	60	1,867	
2	H. P. Nagar, Chembur.	Hindustan Petroleum, Club House, H.P. Residential Colony Chembur, Bombay-400 071.	10-12-77	69	807	807	69	..	57	1,740	
3	Khar Colony, Khar.	Bldg. No. 1 Municipal Tenements, S. V. Road, Khar, Bombay-400 052.	4-1-78	49	817	820	49	..	37	1,723	
4	Sanacruz (West)	Gazdar Park Municipal School North Avenue Road, Sanacruz (West), Bombay-400 054.	15-1-78	72	855	858	72	..	60	1,845	
5	Railway Colony, Lalbaug.	B'dg. No. RBII/255 Railway Colony, Central Railway, Parel, Bombay-400 012.	3-1-78	78	935	931	78	..	66	2,010	
6	Poynad, Alibaug.	Primary Health Centre, Poynad Taluka Alibaug. Dist. Kurla.	6-2-78	6	72	72	6	..	..	150
Total :				346	4,351	4,358	346	..	280	9,335	
II. ROUTINE SURVEY MONITORING PROGRAMME											
1	Pant Nagar, Ghatkopar.	Centenary year primary school, Pant Nagar, Ghatkopar (East), Bombay-400 075.	1-9-78	63	705	703	63	12	51	1,536	
2	Babula Tank	Imamwada Municipal Secondary School, Imamwada Road, Bombay-400 009.	14-4-79	69	769	773	68	12	53	1,673	
3	Dadar-Matunga	Wollen Mill lane Municipal School, Dadar, Bombay 16.	15-4-79	68	805	809	68	12	56	1,750	
4	Chembur Naka	Municipal U. P. School, Chembur Naka, Bombay-71.	2-9-78	69	757	802	69	12	57	1,737	
5	Saki Naka	Marol Municipal Urdu U. P. School, Saki Naka, Bombay 72.	17-4-79	67	785	789	67	12	55	1,709	
6	Borivli.	Municipal Primary School, Sodawala Lane, Borivli, Bombay-400 092.	22-8-78	63	924	727	63	12	51	1,577	
7	D. C. Road,	D.C. No. II Municipal Primary U.P. School, Drainage Channel Road, Worli, Bombay-18.	2-5-80	60	689	700	60	..	51	1,500	
8	Matund.	Municipal Secondary School, P. Kheraj Road, Bombay-80.	4-6-80	54	600	593	54	..	42	1,343	
9	Colaba.	Transport House, BEST Shahid Bhagat Singh Road, Colaba, Bombay-400 039.	11-6-80	41	452	457	41	..	32	983	
10	Unnat Nagar, (Goregaon)	Municipal U.P. School Unnat Nagar, Goregaon (West), Bombay-400 062.	15-6-80	52	614	614	52	..	43	1,323	
Total				602	6,941	6,969	602	72	491	10,129	
III B.M.R.D.A. STATION											
1	Bharat Refinery Mahul.	Staff Training Centre Bharat Refineries, Mahul, Bombay-74.	4-6-80	94	1,126	1,128	94	..	..	2,348
2	Scrwree.	L I Baha'ur Nautical Engg. College M. S. R. Road, Bombay-400 074.	7-5-80	113	1,216	1,218	113	..	..	2,547
3a	Anushakti Nagar.	Sector M Kt. Anushakti, Nagar, Bombay-400 094.	2-6-80	78	901	908	78	..	..	1,887
Discontinued in September											
3b	Mankhurd.	Municipal School, Mankhurd.	5-10-80	..	..	..	..	..	..	..
Total				..	285	3,243	3,254	285	6,782
IV R.C.F. STATIONS											
1	Murvalli.	Murvalli Municipal Ghatkopar Mahul Marg, Bombay-74.	2-5-80	152	1,744	1,757	152	NH3 1,451	..	5,104	
2	Sion Koliwada	Koliwada Municipal U.P. School, Future Road, Koliwada, Bombay-400 137.	2-6-80	130	1,581	1,586	130	696	..	4,002	
Total				..	291	3,325	3,343	291	2,147	..	9,106
SUMMARY											
I	Health Survey Monitoring Programme	..	..	346	4,351	4,358	346	..	280	9,335
II	Routine Survey Monitoring Programme	..	..	602	6,941	6,969	602	72	491	10,129
III	B.M.R.D.A. Stations.	..	..	285	3,243	3,254	285	..	..	6,785
IV	R.C. Stations.	..	..	291	3,325	3,343	291	2,147	..	9,106
Grand Total				..	1,524	17,860	17,944	1,424	2,219	771	35,355

APPENDIX No. 11
AIR MONITORING PROGRAMME
(MICRO-METEOROLOGICAL DATA)

Serial No.	Meteorological station code.	No. of observations in the year 1980-81			Remarks.	
		Wind Data	Rainfall data			Air Ambient Temperature Data.
			SR Rain Guzzé	FRP Rain-gauter		
1	Pant Nagar, Ghatkopar	1,231	..	20	684 (1) Wind Data includes speed and direction.	
2	Babula Tank	1,543	..	..	(2) S. R. Rain Gauge—Automatic Operation.
3	Dadar-Matunga.	1,352	..	..	(3) F.R.P.-Rain Guage—Manual Operations.
4	Chembur Naka	1,391	..	41	506 (4) This data is collected at a separate weather station located near to Chembur Naka.	
5	Saki Naka	1,337	..	..	(5) Ambient-Temperatures recorded include Maximum Minimum Dry bulb and wet bulb temperatures.
6	Borivli.	1,361	..	47	573 (6) Chembur Naka has got both eye reading and automatic wind instruments.	
7	Santacruz (West).	..	..	23	353
8	Neeri (Newly started).	..	..	..	269
9	Mu'und (Newly started).	..	..	29	559
Grand Total		6,265	..	169	2,943	

ANNEXURE—12

CIVIL DEFENCE CELL—VIGILANCE WORK

YEAR—1980-81

1	Inspection of works	..	88 Nos.
2	Total cost of works inspected	..	93 Lakhs
3	Technical audit of proposals.		
	(a) Internal proposals	..	457 Nos.
	(b) Inter-departmental proposals.	..	15 "
	(c) Staff proposals	..	26 "
	(d) Internal & inter-Departmental Enquiries.	..	2 "
	Total	..	500 "
4.	Liasion work.		
	(a) Union Matters.	..	5 "
	(b) Registration of contractors.	..	2 "
	(c) Tender Committees meetings Internal	..	18 "
	(d) Inter-departmental.	..	7 "
	Total	..	32 "
5.	Project Monitoring & MBO Programme.		
	(a) Scrutiny of reports.	..	108 "
	(b) Contractors appraisal reports.	..	12 "
	(c) Miscellaneous proposals & their follow up.	..	51 "
	Total	..	171 "

ESTATES AND LAND MANAGEMENT DEPARTMENT

Administration Report for the year 1980-81.

(1) Money spent	...	...	...	...	Rs.	5,80,89,803
(2) Money earned—						
(i) Rent from tenants and lessees	...	...	...	...	Rs.	2,43,98,943
(ii) Other	...	...	...	...	Rs.	8,31,441

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.

plots in Municipal Scheme have been disposed off in the year 1980-81 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.
1977-78	...	1	Rs. 1,25,420.00
1978-79	...	3	2,52,120.00
1979-80	...	Nil	...

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 Unit required to be shifted from the lands required for Municipal purposes.

No Industrial Estate has been constructed during the year under report.

New Housing Schemes.

(1) No new tenements were completed during the year under report :—

(2) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 62,801.50 during the year.

DISPOSAL OF LANDS.

(A) Long Leases.

5 plots were let out during the years 1980-81. The total area of the lands thus disposed off admeasures 7850.28 square meters valued at Rs. 30,64,534. The total No. of plots disposed of upto the end of 1980-81 were 4398 with an area of 54,23,089.00 square metres and valued at Rs. 15,41,71,933.00 yielding an annual ground rent of Rs. 67,16,314.40. The ground rent is charged at 10 per cent. on the value of land. The rate for calculating ground rent revised from 7 percent to 10 percent as per Corporation Resolution No. 546 of 23-8-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

Particulars	No. of plots	Area in Sq. Mts.	Capital Value	Annual Rent
		Rs.	Rs.	Rs.
Plots leased on Rental basis	...			
Corresponding figures :—				
1977-78	...	3	3672.29	25,060
1978-79	...	4	7418.75	42,313
1979-80	...	Nil	Nil	Nil

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 4,23,792

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 54.98 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent of 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. 84,93,337 pertaining to 'B' Budget and of Rs. 1,51,899 pertaining to 'A' Budget shown in Statement 'D' can be classified as under :—

Ground Rent	Rs.
Arrears break-up	
(1) With-held by lessees to the extent of their security deposit	1,46,749
(2) Of plots occupied by Government of Maharashtra and Defence Department	5,97,789
(3) Of properties vested in the Deputy Custodian of Evacuee Property ...	1,725
(4) Of Plots against which disputes have been raised and cases are under consideration	27,95,011
(5) Due from Western and Central Railways	75,125
(6) Due from Municipal Department	1,76,696

(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 were 27 26 and 17 31 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. 9,27,80,54 and Rs. 13,30,640 and the recovery was Rs. 7,21,860 and Rs. 11,04,948 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. 47,09,179 on 31st March 1981 as against Rs. 25,59,914.

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 rent from the permanent chawls during the year amount to Rs. 46,00,473 deducting therefrom the charges on account of outgoing amounting to Rs. 1,53,93,490 net loss comes to Rs. 1,07,93,017.

The capital expenditure incurred on the chawls including the value of the land is Rs. 246 lakhs. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. per annum on the capital expenditure prior to 1919-20 and 6.35 per cent. per annum on the capital expenditure incurred in subsequent years and 4.24 per cent. in respect of those constructed after 1950. This amounts to 13.85 per annum. After adding the amount of net loss into the amount of interest and sinking fund charges as shown in Statement 'G', the A/c. for the chawl shows a loss of about Rs. 38,57,987.

(b) *Semi permanent Sheds* : The gross demand in respect of 7,370 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 19,91,541. The net demand after excluding the concessional rent and vacancies was Rs. 1,93,993. The revenue actually collected comes to Rs. 22,41,237 which was equivalent to 86.56 per cent. of the total recoverable rent including arrears of Rs. 34,56,851.73 for the previous year.

The percentage of outgoing in respect of the Chawls and Semi-permanent sheds are shown in Statement (F) on the basis of annual rental of Rs. 47,09,179 for chawls and Rs. 21,54,495 for semi-permanent sheds, total outgoing being 186.02 per cent. and 121.71 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. 36,26,540 against the demand of Rs. 80,40,707 inclusive of arrears.

Acquired properties : At the commencement of the year there were 425 acquired or surrendered buildings in charge of this department containing 6185 tenancies. At the close of the year, corresponding figures were 6074 Building and 433 Tenement. 6037

The gross demand of 6185 tenements in the acquired and re-entered buildings was Rs. 17,50,409. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 17,49,621.

The revenue collected amounted to Rs. 18,34,519 which was equal to 54.04 per cent. of the total recoverable amount including arrears of Rs. 33,94,226 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. 1,939.29 and the recovery was Rs. 85,886 which was equal to 44.29 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 4,11,184 and Rs. 18,611 respectively. The arrears due for collection at the close of the year stood at Rs. 3,92,573.

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'.

S. M. Taraporewala,
Sr. Ward Officer (Estates).

"A" Statement showing the total area of Developed Land.

Change in		As at the beginning of 1979-80	As at the end of 1980-81
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 1980-81.

Description	No. of proposals	Premium	Ground rent
		Rs.	Rs.
Motor Garages	22	610.00	3,850.00 P.A.
Additional floors	28	Nil	1,94,579.00 P.A.
Change of users and Misc. proposals such as encroachments, Basement floors, Canopies, temporary structures, Gallery Projections, Rewas Projections, O'la Projections, Lifts and Mezzanine floors etc.	12	806.75	831.00 P.A.
Fines	...	...	...
Transfer fees	...	...	10,000.00

Statement 'C' showing the disposal of Municipal Ex-Trust Plots during the year 1980-81.

Land/Estate	Plot No. & C.S. No.	Area in Sq. Mts.	Capital	Annual
			value	Ground Rent.
			Rs.	Rs.
Municipal				
(1) Cama Industrial Estate Goregaon (East)	N-1	250.84	43,897.00	4,389.70
(2) Cama Industrial Estate Goregaon (East)	N-2	250.84	43,897.00	4,389.70
Total	2	501.68	87,794.00	8,779.40
Ex-Trust				
(1) Sewri-Wadala (South-Gulmohar Co-op. Housing Society.	77	1152.00 Sq. Mt.	3,45,600.00	34,560.00
(2) Sewri-Wadala (South)- Gurudatta Kripa Co-op. Hous- ing Society.	78	1580.00	4,74,000.00	47,400.00
(3) Rasool Jiwa Compound Bhadekaru Sabha Byculla Div.	C. S. No. 2000(pt)	5016.60	21,57,140.00	2,15,714.00
Total	3	7,348.60	29,76,740.00	2,97,674.00
Total (Munpl + Ex-Trust)	5	7850.28	30,64,534.00	3,06,453.40

"D" Summary of Revenue of Properties for the year 1980-81.

(800 omitted)

Particulars.	Properties under 'B' Budget			Property of 'B' Budget under			Properties under 'A' Budget		
	Per- mont	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.	61,53	99,60	161,23	27,30	12,74	40,04	4,56	72,66	77,22
Arrears.	79,87	103,04	187,91	22,31	15,49	37,80	98	47,26	48,24
Totals	141,50	207,64	349,14	49,61	28,23	77,84	5,55	119,92	125,47
Amount collected.	55,57	95,21	151,78	25,28	10,98	36,26	4,03	64,48	68,51
Variation in Demand for the previous year	84,93	112,43	197,36	24,33	17,25	41,58	9,58	55,44	65,02
Carried out during the year	..	+11,34	+11,34	+32	+224	+256	+8,07	+6,77	+14,85
Amount written off	...	...	...	...	...	...	...	...	...
Arrears as on 1-4-81	84,93	123,77	208,70	24,65	1,949	44,14	151	62,21	68,72
Arrears as on 1-4-80	68,75	108,04	176,79	22,31	15,49	37,80	95	47,36	48,21
Arrears as on 1-4-79	93,76	89,77	183,53	17,08	14,50	31,58	30	36,43	36,73

Note: Reconciliation of figures of the year pending.

"E" Statement of tenements constructed for Slum clearance Scheme (City and Suburbs)

Serial No.	Locality.	Yard of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standardised Rent	
				Residential	Shops Godowns		Rs. P.	Rs. P.
Municipal Scheme :-					3			
1	Pelton Road Chawl No. 4	1956	1	8	20	34.30	59.43	105.85
2	Haines Road Transit Camp.	1957	19	137+9	...	26.98	32.05	40.08
3	Tank Palkhadi Transit Camp	1958	27	254	...	26.8	...	...
4	D'aravi	1959	5	120	...	31.95	...	...
5	Shopping Block at Haines Road	1960	1	...	4	...	22.69	63.20
							73.64	92.05
6	Do. Do. Milk Street	1962	1	...	17	16.48	...	30.91
7	Shopping Block at Tulsiwadi Body-Guard line	1963	1	...	15	32.27	31.92	...
8	Shopping Blocks at Water St.	1963	1	112	10	...	Varving 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	D'aravi	1961	5	168	...	3.50	...	...
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, Eyculla	1961	7	112	...	34.26	...	...
		1962	2	32	...	32.05	...	...
11	Haines Road	1961	2	80	...	32.05	...	...
12	Sion Scheme 6	1962	2	80	...	31.50	...	...
13	Body Guard Lines	1962	8	128	...	32.48	...	...
14	Bapty Road	1963	1	40	...	34.24	...	75.40
15	Haines Road	1963	6	96	...	34.26	...	70.85
16	Rawli Camp	1964	14	224	...	33.64	...	...
					11	73.16	...	135.40
17	Sion Village Blk E	1964	1	24	...	34.07	...	69.66
18	Kamathipura C Bk 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 MI Area stable street	1965	1	41	11	34.26	...	89.91
							shops 153.00	shops 96.28
21	60 t. Falkland Road 8th X Lane	1966	1	60	...	...	...	...
22	60 t. Hains Road	1966	3	60	...	41.61	25.98	194.81
23	Rawli Camp	1967	6	240	...	42.38	69.45	73.49
24	Rawli Camp	1969	5	132	8	42.68	...	61.00
25	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar	1969	1	32	10	42.68	61.00	147.00
							shops 63.00	shops 149.00
26	Kamathipura M.I. area stable street	1970	1	45	12	56.44	145.00	75.00
							149.00	...
27	30 Tenements Peru chawl Lalbaug Gas Work Lane	1970	1	30	...	39.39	...	77.82
28	60 t. Rawli Camp	1971	3	60	...	40.77	...	81.70
29	Rawli camp BKE 3 & A. 7	1972	2	44	...	...	...	100.06
30	230 T and 20 shops Rowli Camp.	1973	...	230	...	...	105.00	252.00
31	Vikroli	1961	16	396	...	31.51	52.00	57.00
32	Do.	1963	12	348	...	31.51	57.00	55.50
33	Kherwadi Bandra	1964	17	217	...	34.55	55.50	64.12
34	Tenements along Eastern Express Highway Ghatkopar	1965	108	1004	...	...	...	...
35	60 t. at Bombay Agra Road Ghatkonar	1966	3	60	...	...	...	...
36	320 t. at Santacruz	1966	20	320	...	34.55	...	64.12
37	200 t. at Match Factory Kurla...	1973	10	200	...	...	...	...
38	40 t. at Sion Village	1974	...	40	...	55.00	...	117.00
39	Rawli Camp	1972	...	108	12	39.92	...	170.73
40	20 Tenements at Peru Chawl	1976	...	20	...	...	...	...

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars	Permanent Chawls		Permanent ground floors rooms	
	1979-80	1980-81	1979-80	1980-81
Sanitary Staff and Pumpmen ...	22.42	33.49	40.78	33.89
Cost of Management and Establishment ...	7.50	7.50	7.50	7.50
Municipal Rates and Taxes ...	33.89	53.28	71.23	52.72
Repairs and Maintenance including lighting, vacancies ...	82.43	91.75	79.68	27.60
Total ...	146.24	186.02	199.19	121.71

"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 approp. riated of construction of chawls.	Total area of chawls sq. Metres.	Rate per sq. yd. as in the year given in column 3	Value of the site Cols. 4 & 5	Constructional cost of the Chawls including 1/2 per cent or-management and establishment.	Cost of work value of the land management and establishment charges columns 6 and 7.	Interstand Sinking Fund charges on capital outlay 461 per cent on column 8 up to 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	15-16 Agripada B Chawls ..	1903	9970.85	6	71,550	5,41,639	6,13,189	28,269
3	38-40 } Agripada C Chawl ..	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
	45-46 } ..							
4	19-24 Chandanwadi Chawls ..	1904	8080.36	16	1,44,960	3,76,915	5,21,875	24,059
5	26-27 Imamwada A Chawls ..	1905	11239.26	13.8	1,81,467	4,98,562	6,80,029	37,349
	29, 30 & 31 Imamwada B Chawl ..	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Chawls ..	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
	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	1,003,41	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 } Suparibaug Chawls ..	1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
	47-49 } ..							
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	222,145	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	1,16,60	7,376
21	Blocks 1-19 Bellasis Road Chawls ..	1922	25853.19	19	6,78,376	25,75,065	32,53,441	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	19,931
27	2 Paltan Road Chawls ..	1952	9551.85	50	92,777	3,48,544	4,41,321	28,024
28	A-J Sawri 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	5	4,04,550	8,92,806	12,97,356	55,008
34	Wadala Chawls 160 ..	1961	6212.45	50	3,71,600	10,13,999	13,85,499	58,745
35	Wadala Chawls 224 ..	1961	7836.21	50	4,68,600	14,87,658	19,56,258	82,945
36	60 T. Morbag ..	1963						
37	Tenements at 144 S. G. Marg ..	1968						
38	Jasmiene Mills Rajeshri Shahu Nagar ..	1967						
39	10 Steps 40 R. Sion Koliwada ..							
40	Deonar New Colony ..	1967						
41	36 T. Werli ..	1969						
42	144 Tenements at Deonar ..	1975						
43	252 Tenements at Deonar ..	1975						
44	105 Tenements and 13 shops on Plot No. 107, Worli ..	1976						
45	40 Tenements at Chowney Gully ..	1976						
46	28 Tenements at Abdul Gaffar Khan Road ..	1970						
47	130 Tenements at Worli for Municipal Staff & Councillors ..	1971						
48	240 Tenements at Haji Ali ..	1975						
Total ..			2,65,288		54,30,602	91,81,087	2,46,14,689	12,96,415

(a) Rs. 8-0-0 for 8 larger rooms (double) rooms having partition inside.

(b) Represents loans.

(c) The figure represents the value of Rs. 40 per sq. ft. of the site situated between the 25 road and the Railway and measuring 5,666 sq. yds. figure is arrived at by dividing By 8.496 yds. Calculated at 4.24 per cent.

A—Includes rooms ren. free nil Sewepers.
B—Rooms unsed for Office and Stores.
C—do temporarily occupied by Schools.
E—do. do. do. Shops.
F—do. do. do. Gymnasium.
G—do. do. do. Godowns.

Number of tenements, full letting value.

(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
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 Ex-clusive of increase in taxes.	Number of rooms living purposes.	Number of rooms let of Shops, Godowns, or Municipal purposes.
Rs	Rs.				Sq. ft.	Rs. P.			
47,764	52,009	17.37	312	3	175	7.49	8 14 0	276	1—B, 5—D & 50—E.
66,734	85,764	9.36	658 (Verhandah)	4	110	10.40	7 10 0	926	20—E
1,20,722	1,18,444	32.79	258	4	142	6.45	8 1 0	414	18—E, 1—F
4,07,453	1,16,490	17.71	433	4	177	7.49	8 12 0	633	2—D, 9-E
			857	4	125	9.36	10 6 0	633	2—D, 9-E
1,26,723	1,41,839	15.30	30	4	135	8.95	9-13, 10-1 10-5	846	2-B, 4-C & 5—D
1,13,386	1,24,675	16.57	278	4	160	11.93	8.31	30	..
2,083	2,566	10.66	15	1	176	9.96	Rs. 9-13 10-1, 10-5	222	308-E-26-G
20,204	22,056	17.32	144	4	120	8.31	9.96	144	..
21,813	24,041	16.39	144	4	148	10.83	12.98	144	..
10,443	12,985	10.40	64	4	176	9.36	9 10 0	64	..
65,736	73,891	15.03	481	4	136	11.24	9 0 0	479	1—B, 1—F, 33—C
1,00,350	1,14,266	14.24	405	2	176	8.64	10.34	372	..
5,382	8,686	7.25	14	1	176	10.35	8 6 0	..	..
55,440	79,601	9.48	325	4	176	7.76	9 4 0	320	4—E, 1—F
23,898	34,663	9.25	134	4	175	9.30	13 6 0	131	3—E
48,346	76,388	7.59	246 (b) 160	4	175	8.36	38 0 0	241	6—D
28,864	43,774	8.32	36	4	562	10.09	13 12 0	..	..
9,717	15,734	2.63	72	3	338	24.81	Rs. 55.60 & 65	..	..
4,698	2,70,635	3.48	10	3	325	29.47	Rs. 35,33,32	..	..
2,74,566	5,02,775	7.25	1,549	3	176	30.83	35	1,513	20-C7-D & 9 E, 36-C, 4-D
2,09,478	3,36,904	7.30	1,385	3	176	10.69	Rs. 16-5 18-6-17-14	1,263	S 2-E, 7—E, 6-D, 22-E, & 1—F.
82,110	95,554	18.00	234	3	3	12.83	Rs. 15-6. 15-14	227	..
1,53,598	2,19,990	9.55	..	..	176	9.36	13 8 0	792	..
1,02,375	1,50,469	9.96	821	4	176	11.24	Rs. 15.9. 16-1, 16-9, 17-1, 17-9.	387	1—B, I-C, I-D, & 1—
86,943	1,22,743	9.90	391	4	176	9.46	Rs. 15-7.	125	24—E, —7G, 4—E, 6-G
69,798	88,160	8.93	156	4	180	10.69	12.38	194	..
44,576	67,454	5.32	156	4	180	12.38	26.74	120	..
10,343	16,894	4.80	120	4	190	26.74	32,33,35	24	..
72,091	94,486	8.10	24	4	237	10.38	R. 15-7	..	..
1,60,831	2,77,070	6.78	112	4	273	11.09	Rs. 16, 16-8	..	..
88,620	1,50,926	5.87	144	4	..	21.86	Rs. 35	..	..
89,663	1,35,873	5.57	160	4	..	29.43	Rs. 36-10	..	..
1,13,145	1,80,272	4.97	224	4	..	50.33	Rs. 4	..	..
			60	4	..	31.50	..	..	..
			150	..	..	47.00	..	..	..
			1040	..	..	64.00	..	..	..
			50	..	..	66.50	..	40	40
			582	..	..	67.50	..	578	5B, 4C
			36	..	..	07.00	..	60	..
25,37,893	—26,24,047	18.949	13,484	..	..	..	..	..	..

x 5—B, 61—C 35—D, 180—E, 4—F 72—G

REMARKS
 1 Bldg. on ownership "D" type
 A Type 3 bldgs.
 B Type 2 bldgs.
 C Type 3 bldgs.
 2 Bldgs. Ownership
 2 Bldgs. Nair Hospital
 1 Hostel
 1 for Staff.
 Ownership
 1 Ownership
 for staff.

"H" Statement of Tenements constructed from Budget 'A' for Municipal General Staff :-

Serial No.	Locality	Year of construction	No. of structures	No. of tenements	Subsidised Rent		Standard Rent
					Maximum	Minimum	
					Rs.	Rs.	Rs.
					(Subsidised rent at Rs. 12 per 100 Sq. ft.)		
1	Gilder Lane Tenements,	1958	4	144 (64)*	62.52 39.85		103.30 71.93
2	Elphinstone Road	1958	3	72	28.33	20.69	45.39
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.	1978	1979	1980	1981
(1) Number of Tenancies	4144	4148	4156	...
(2) Balance of arrears in lacs of rupees....	39.36	66.14	69.70	80.86 *
(3) Demand for the year in lacs of rupees....	78.51	80.87	63.56	69.19
(4) Total demand including arrears in lacs of rupees.	117.37	147.01	129.36	147.06
(5) Amount collected in lacs of rupees.	52.18	47.95	59.65	60.61
(6) Percentage of collection to the demand including arrears.	44.10	32.62	46.11	41.21
(7) Percentage of collection to the demand for the year.	66.45	59.29	93.85	87.60
(8) Percentage of arrears to amount for collection.	33.35	44.99	53.88	54.98

* Variation of Rs. 11.15 on A/C of new rent sheets opened from respective offices. figures are subjected to reconciliation.

Arrears ending March-81 Rs. 86,45,236

BOMBAY FIRE BRIGADE

Salient Features :

Expenditure : Rs. 2,15,63,500

Income : Rs. 2,20,00,000

Fire Stations : 19

Emergency Calls :

Fire : 3281 House Collapse : 488 Rescue : 659
Other Service : 1004 False : 211

Ambulance Calls :

Accidents : 935 Maternity : 236 Fire Brigade Staff : 1
Hire : 1153 Free Poor Cases : Nil

Premises inspected for rendering advice on Fire Precautionary measure—9083.

New equipment purchased :

Turn Table Ladder DL 30—1 No.	Rescue Tender RW 2—1 No.
Mini Bus—2 Nos.	Water Tanker—4 Nos.
Jeep—4 Nos.	Fire Engine Extension Unit—5 Nos.

Shri L. S. D. Mehervanjee was In-charge of the Fire Brigade Department during the year under report.

The highlights of the administrative events for the reporting year are as under —

(1) Income-Expenditure :

The annual receipt by way of taxes comes to the tune of Rs. 2,20,00,000 and the amount of expenditure comes to Rs. 2,15,63,500

(2) Premises :

(a) Fire Stations :

The total number of Fire Station in Greater Bombay remains 19 only.

Plans for phase III and phase IV for the remodelling of Fire Brigade Head Quarter at Byculla (incorporating work shop . Administrative Unit control Room, Auditorium Staff Quarters etc.) prepared and submitted by the private architect have been scrutinised and detailed drawings of the same are being prepared.

The construction of Marol Fire Station which has started in 1979 is rapidly progressing. Construction of Malad Fire Station is also just started.

(b) Control Room :

The Project Report prepared by Messrs. Tata Consulting Engineers costing nearly Rs. 7½ crores was already approved for implementation by the Corporation. Preparation of specifications, tenders and obtaining approval of Central Government etc., is under process and Messrs. Telecommunication consultants India Ltd., a Government of India Undertaking are being consulted in this matter.

(3) Communications :

(a) Fire Alarms :

The total number of Fire Alarms were 218. Number of Fire Alarms in the City were out of order due to non-availability of spare parts.

(b) Telephones :

Eight Hot lines for emergency calls (101-4 lines and 395991-4 Nos.) two for ambulance 102 and 3 other calls (376111) were in operation during the year.

(c) Wireless Communications System :

Besides having Telephone lines as above, the Brigade has been supplemented with 18 static Wireless sets, 31 Mobile sets, 9 and Walkie Talkie sets.

(4) Appliances and Equipment :

The Brigade continued to render fire fighting and rescue operations with two Snorkels, Motor Pump with Escape and Extension Ladders, Turn Table Ladders Motor Emergency Tenders etc.

The details of appliances and equipment are furnished in Appendix I.

(5) Emergency Calls :

The emergency calls during the year under report were as follows :
 Fire : 3281 House collapse : 488 Rescue : 659
 Other service : 1004 False : 211

(a) Fires :

There were 38 serious fires during the year (*vide* Appendix II).

Burning Casualties :

There were 473 casualties due to fire out of which 105 lost their lives 368 persons received burns and subsequently recovered. Out of the total casualties 74 cases were of suicide. Most of these fires were domestic.

Death of Fire Brigade Personnel while on Duty :

In a serious fire on 16th October 1980 at Mohta Bhavan, Dr. E. Moses Road, Bombay, Dy. Chief Fire Officer Shri N. V. Chitnis died due to suffocation while fighting the fire.

Fire loss :

The total loss due to fire was approximately Rs. 5,64,90,790. Out of this, damage to insured property was Rs. 4,37,48,890. The total property involved was worth Rs. 2,07,26,87,990.

(b) House collapse :

51 persons lost their lives and 202 persons were injured in House Collapse. Some serious House Collapse are mentioned in Appendix III.

(c) Other Services -

There were 1004 calls of other services which include leakage of poisonous gases and noxious fumes, spilling of acids, falling of trees, shock due to electricity, vehicle accident etc.

176 persons lost their lives in such accidents and 334 persons received injuries.

(d) Rescue Service :

The Brigade attended 659 calls of various types of rescue work such as persons fallen in wells, drowned in sea, trapped in lift, sewers, etc. In all 98 persons died in Rescue Service and 225 persons were injured. Majority of deaths (52) were by drowning. The Brigade also rescued 206 animals and birds.

(6) Water Supply and Sources :

The approximate quantity of water used for extinguishing fires was about 94 lakhs, 32 thousand 431 litres out of which 91 lakhs, 19 thousand 729 litres were drawn from municipal mains and rest from sea, wells ponds etc.

The total number of hydrants in City and Suburbs is 11,281.

Number of other sources available for water supply have been listed in appendix V.

(7) Ambulance Services :

The ambulance service continued to attend hire calls, maternity calls, in addition to fire house collapse calls etc. The details are as follows :

Accident : 935	Maternity : 236
Hire : 1153	Free poor cases : Nil
Fire Brigade Staff : 1	

In all 1236 persons were removed in Ambulances First aid rendered on 429 occasions. The Total receipts during the year on account of hire cases amounts to Rs. 16,374 including arrears Rs. 68 in the previous year.

(8) Fire Prevention Cases :

Year	Total cases received	Disposal of
1979-80	10815	9715
1980-81	10251	9083

The cases received in the year 1980-81 :

Type of cases	No. of cases.
Licence, Factory and Health Department of Municipal Corporation	8056
Public Entertainment and Buildings	1045
Commissioner of Police, Inspector of Explosives and Controller of Drugs	339
Complaints	811
Multi-storeyed buildings	319

(9) Deputation of Fire Officer :

During the year under report Shri V. G. Sawant, Station Officer was deputed to National Fire Service College, Nagpur for undergoing training of Divisional Officer's Course.

(10) Other Activities :**(a) Annual Drill Competition :**

The Annual Drill competitions were conducted as usual. During the year, competitions were held (i) Fire Tractor Pump and (ii) Extension Ladder and Motor Pump Drill Competition Teams from different Fire Stations participated in each competition.

Shri B. K. Chougule, Municipal Commissioner presided over the function. Byculla Team led by Assistant Station Officer, Shri A. N. Shinde secured first place in Fire Tractor Pump Drill competition and Indira Dock Team led by Station Officer, Shri Mohammed Munir Alias Yusuf secured first place in Escape ladder and Motor Pump drill competition.

The Chief Fire Officer's Rotating Trophy for Best performance in Drill competitions was awarded to Shri Subhash Ganpat Panchal, Fireman from Gowalia Tank Fire Station.

(b) Sports : The annual tournaments in various games were conducted and the sports meet was held during the year under report. All fire stations showed great enthusiasm by sending teams and competitors. The function was presided over by Deputy Municipal Commissioner Shri S. V. Gambhir and prizes were also distributed by him.

(c) Observance of Fire Services Week : The Bombay Fire Brigade in co-ordination with other Fire Services of the City observed the fire service week from 8th April to 13th April 1980 and Fire service Day on 14th April 1980.

A number of Fire fighting demonstrations were arranged to make the public fire conscious in various parts of the City...

A Press Conference was held in M. C. s office and the Press highlighted for the events.

Radio and Doordarshan programme were arranged. Films were shown, special wall posters and folders and stickers were distributed in schools and various establishments. Special Cinema slides were prepared. Lectures were arranged.

Officers of the Brigade visited several industries of the City and delivered lectures on fire prevention. The Brigade personnel joined hands with other organisations to raise funds for the welfare of the Fire Services personnel by selling flags to the Public on Fire Service Day. The solemn function of the week was the Prayer Meeting at Fire Brigade Headquarters to pay homage to the gallant Fire Officers and men who laid down their lives while fighting the fire in disastrous Dock Explosion of 1944. Shri B. K. Chougule, Municipal Commissioner presided over the occasion.

(d) Republic Day : The contingent of this department consisting of Officers and men and the Band Unit participated in the Republic Day Police Parade alongwith the Defence and other services and Organisation.

A guard of honour was presented to Mayor of Bombay by Fire Brigade staff at the Flag Hoisting ceremony at Municipal Head Office.

(12) Awards :

(A) On the Republic Day 26th January 1981 following personnel of the Bombay Fire Brigade were declared President's Fire Service Medal for Meritorious Service.

1. Shri S. L. Palve Sub-Officer.
2. Shri K. R. Syed Sub-Officer.
3. Shri S. S. Gaikwad Driver Operator.
4. Shri A. Y. Salunkhe Leading Fireman.

Mr. L. S. D. Mehervanjee, Chief Fire Officer was awarded the President's Fire Service Medal for distinguished service and the same was presented to him of the hands of this Excellency, the Governor of Maharashtra on 26th January 1981, and the following Brigade personnel were also awarded President's Fire Service medal for Meritorious Service on 26th January 1981.

1. Shri D. J. Kulkarni, Divisional Officer
2. Shri E. M. Shaikh, Sub-Officer
3. Shri Y. N. Palande, Driver Operator
4. Shri C. P. Dalvi, Driver Operator (since retired)
5. Shri N. V. Shinde, Leading Fireman
6. Shri Y. S. Chavan, Leading Fireman.

(b) The Lions Club of Walkeshwar, Bombay has Offered the following awards to the personnel of this department.

- (i) Annual Rotating Trophy and Cash Prize of Rs.251 to the Best Fire Brigadier of this year 1980. Shri S. K. Bhandarkar Assistant Divisional Officer.
- (ii) A cash prize of Rs. 151 to the second Best Fire Brigadier of the year 1980. Shri N. A. Masurekar Assistant Station Officer.
- (iii) Cash Prize of 101 to the third Best Fire Brigadier of the year 1980. Shri N. V. Dhotre, Driver Operator.
- (iv) Shri Radheshyamsing Janardhansing Driver Operator attach to Chembur Fire Station has been awarded for Recognition award by Rotary Club of Chembur.

- (c) Best Fireman Award of Rs. 100/- to Fireman Daji Balkrishna Bhogle.
- (d) Cash Award of Rs. 1000/- to the Chief Foreman Shri N. B. Patil for repairing indigenously swing Fog Machine of I. O's department.
- (e) Commendatory Certificate to
- (i) Shri B. D. Borude, Dy. Chief Fire Officer,
 - (ii) Shri G. N. Sawant, Assistant Divisional Officer.
 - (iii) Shri Sharad Dalvi, Station Officer.
 - (iv) Shri Raoji Madhukar, Fireman.
 - (v) Shri R. S. Rane, Telephone Operator (in appreciation of his good work and long service).
- (f) Good conduct and long service Medals to
- (i) Shri Shantaram Tukaram Waingankar, Driver Operator.
 - (ii) Shri Laxman Narayan Dicholkar, Leading Fireman.
- (g) Award of Scholarship to children of Brigade Employees; As in the previous year, scholarships ranging from Rs. 15/- to 75/- were awarded to 51/- school going children of the Brigade employees, who passed the Annual Examination with credit from Standard IV to XII:

(13) Fire Fighting Training to outside candidates :

- (a) Practical training in fire fighting and rescue operations were imparted to the Home Guards of Greater Bombay.
- (b) Officers of Bombay Fire Brigade gave a number of lectures on fire fighting to the security Guards of the Corporation.
- (c) Training wing has undertaken the training programme during the year and has trained personnel from various industries.

11th General Conference of International Fire Chief Association of Asia was held in New Delhi in the month of November 1980. The Conference was attended by Shri S. V. Gambhir, Dy. Municipal Commissioner and a deligation of Senior Officers of this department i.e. Shri L. S. D. Mehervanjee, C. F. O. Shri V. B. Nikam, Dy. C.F.O.; Shri M. I. Anwar A.D.O.; Shri V. V. Rao, A.D.O. attended the function.

(14) Presentation of Colours to Bombay Fire Brigade.

The Bombay Fire Brigade was presented Colour by Bombay Municipal Corporation. The function of presentation of Colour was presided over by Shri Sadiq Ali, Ex-Governor of Maharashtra on Fire Services, Day, 14th April 1980 at Gopind Ballabh Pant Home Guard Civil Defence Training Centre, Hospital Lane, Bombay 400 020.

APPENDIX ' I '

Sr. No.	Fire Appliances and Equipment	Nos.
(1)	Motor Turn Table Ladder :	
	(a) of 100 ft. Extension with Pump	2
	(b) of 125 ft. Extension with Pump.	2
(2)	Hydraulic Platform—SS 300 Simon Snorkel	2
(3)	Motor Pumps :	
	(a) with Escape of 50 to 60 ft. extension	9
	(b) with extension ladder of 35 ft. extension	32
(4)	Fire Tender with Extension ladder	2
(5)	Motor Emergency Tender with Special Gears	1
(6)	Motor Emergency Tender-cum-Fire Tender	2
(7)	Rescue Tender - Model RW2	1
(8)	Trailer Pumps :	
	(a) Medium type	18
	(b) Light type	2
(9)	Water Tankers	16
(10)	Hose Laying Lorry-cum-Canteen Van	1
(11)	Control Post Van	1
(12)	Motor Ambulances	13
(13)	Other vehicles—	
	(a) Delivery Van	3
	(b) Jeeps	22
	(c) Cars/Station Wagons	3
(14)	Scooters	3
(15)	Ladders of various sizes	91
(16)	Breathing Sets—	
	(a) Oxygen	36
	(b) Compressed Air	110
	(c) Breathing Air Compressor	1
(17)	Hose Delivery R.R.L. 2 3/4" size 21830 ft:	84,180 ft.
(18)	Hose Delivery R.R.L. 1 1/2" size 20500 ft.	29,200 ft.
(19)	Gas Masks of various types	42
(20)	Three Wheeler Tempo	1
(21)	Power Cutter/Rescue Saw	5
(22)	Power Chain Saw	3
(23)	Pneumatic lifting bags	4
(24)	High Pressure Pumps	4
(25)	High Expansion foam unit Foam Generators	4
(26)	Davy's Fire Escape	5

Out of the above appliances and equipment the following were purchased during the year 1980-81 :—

(1)	Mini-Bus	2 No.
(2)	Turn Table Ladder	1
(3)	Rescue Tender	1
(4)	Jeeps	4 Nos.
(5)	Water Tanker	8 "
(6)	Fire Engines (Extension Unit)	5 "

APPENDIX II

Brief details of serious fires during the year 1980-81.

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Loss
1	2	3	4	5	6
4-4-1980 2228 hrs.	Nahar Singh Industrial Estate, Ram Mandir Road, Goregaon (W), Bombay.	Manufacturing medicines	Fireman with nine motor pumps.	Large quantity of medicines such as Pyrazinamide, Ethambutal, Capsuls etc., packing material, Punching machines, other machinery, large quantity of plastic raw material, corogating papers & boxes, entire body portion of the car etc. severely damaged by fire, heat, smoke and water.	Rs. 14,28,000/-
5-4-1980 0612 hrs.	Haji Bunder, M. S. R. Road, Sewree (East), Bombay.	Ship transporting.	Fireman with four lines from four motor pumps and B. P. T. employees with 2 lines from two pumps.	480, drums of naphthalene, 2700 cans of Hydrogen peroxide, 60 drums of Hydrogen Hydride, 256 various drums of chemicals and barge No. CB 6888 severely damaged.	10,00,000/-
17-4-1980 1740 hrs.	Navketan Industrial Estate, Gala No. 40, Mahakali Road, Andheri (E).	Cotton padding filter pads Mfg.	Fireman with 4 lines of 4 motor pumps.	Large stock of cotton bales, bandages, gunny cloth, papers, two carding machines, one air compressor, rolling machines, office records, etc. severely damaged.	1,10,000/-
10-5-1980 1242 hrs.	Pandurang Budhkar Marg, Messrs. Bombay dyeing Mfg. works, Bombay.	Textile Mill.	Employees with 6 soda acid extinguishers and 4 sprinkler head.	Rotary Printing machine A. C. Root Electric installation, large quantity of cloth, etc. severely damaged. (In all 13 persons were injured and one dead.)	41,00,000/-
12-5-1980 1714 hrs.	14/20, Ebrahim Sarang Marg, Mohd. Umar Kokil Marg, Bombay.	..	Firemen with 11 engine lines of 16 motor pumps.	Large stock of coir, Mattresses, Carpets, severely damaged. The residential Building No. 120-122,130-132, with household articles electric installation severely damaged.	6,69,700/-
4-6-1980 1944 hrs.	Messrs. Mansukhall & Co., Godown No. 12, Mahalaxmi Bridge, Bombay.	Import and Export of cloth.	Firemen with 7 jets from 8 pumps.	Large quantity of cloths in bales, P. V. C. Rolls, office furniture, electric installation, and godown No. 12, were severely damaged.	4,50,000/-
11-6-1980 0300 hrs.	Junction of Firdanshi Rd., & Katrak Road, Parasi Colony, Wadala.	..	Firemen with 1 first aid appliance and 1 motor pumps.	Police van and private car severely damaged. In all 7 persons were injured and one dead.	1,20,000/-
14-6-1980 1543 hrs.	Messrs. Mahindra and Mahindra Co., Auto motive Dn., Akurli Road, Kandivli, East, Bombay.	..	Employees with 4 foam extinguishers and 1 hydrant line firemen with 3 lines of 3 motor pumps and 1 hydrent line.	Large quantity of steel tubes, 1 international tractor, temporary tarpauline shed severely damaged.	3,67,000/-
11-7-1980 0945 hrs.	32-K, Dr. A. N. Nair Road, Old Sundar Das Mill Compound, Lal Chimney.	Warehousing & Transportation.	Firemen with 8 engine lines of 10 motor pumps.	The fire had involved a godown admeasuring about 150 ft. X 6 Ft. where large stock of flammable chemicals were stored alongwith other combustible commodities.	Approx. 48,30,500/-
10-8-1980 0615 hrs.	Alu field, 21, Gaurav Industrial Estate, Bail Bazar, Kurla, Bombay.	Anodizing works.	Firemen with 3 jets from 3 motor pumps.	Two transformers, 2 buffing machines, 3 drilling machines, 1 printing machine, one air compressor, 1 anodizing tank, one policing tank etc. Sevrely damaged.	1,00,000/-
25-8-1980 0140 hrs.	Mahindra & Mahindra Ltd. Akurli Road, Kandivali East, Bombay.	..	Firemen with one engine line, company workers, with one hydrent line and 20 chemical extinguishers.	A diesel oil compressor machine. electric waring, portion of Asbestors roof, adjoining shed, walls, window panes etc. severely damaged.	2,05,000/-
8-9-1980 1740 hrs.	111/119, Gurgadevi Street, 4th Kumbharwada, Bombay.	..	Firemen with 3 engine lines and 1 first aid appliance. wooden	Large quantity of printing papers, furniture, wooden boxes, lathe machine, electric installation, tiled roof structure with loft. etc. severely damaged.	1,10,000/-
20-9-1980 0640 hrs.	Bombay Talkies Compound, Somwar Bazar, Malad (West).	..	4 engine lines of 3 motor pumps.	Stock of plastic raw material, electric installation, machineries, Steel dyes, Office furniture, in all 10 factories severely damaged.	1,41,800/-
22-9-1980 1427 hrs.	Barut Wadi, Walbhat Road, Goregaon (East), Bombay.	Mfg. Textile cones, Yarn Winding, chromium Nickel plating etc.	Firemen with 4 lines of 3 motor pumps and 2 lines of Nirlon Co.	Stock of Textile yarn, spun silk other yarn, rubber, oil, machinery, stock of P. V. C. machinery, electric installation etc. sevrely damaged.	4,55,000/-
25-9-1980 2311 hrs.	Aliyawar Jang Marg, Rani Sati Marg, Jn., Pathanwadi Malad (East).	..	Fireman with 1 engine line of 1 motor pump.	Fabric sheets, 39 bags of P. L. C. B., 21 SS steel plates, electric motor, G. I. pipes, cases of motor parts severely damaged.	1,22,100/-
29-9-1980 1116 hrs.	Messrs. Nardan India Ltd., Plot No. 6, Saki Vihar Road, Saki Naka, Bombay.	Mfgr. of perfumes, flavcuring assences.	Firemen with 9 water lines of 12 motor pumps and one line civil defence.	Stock of finished goods, comprising of perfume compounds, flavouing essences, oil, storage tank, steel rocks, a drum of ethylcatete, & stock of aromatic chemicals 6 office cabins, packing materials, etc. severely damaged by fire, heat, smoke and water.	92,10,000/-
16-10-80 0245 hrs.	Dr. E. Moses Road, Mehta Bhavan, Industrial Estate, Dhobighat, Worli Naka, Bombay.	Printing press etc.	Firemen with 6 engine lines of 8 motor pumps.	Printing papers, machinaries, office furniture, electric installation etc. in four printing press on 1st floor of a five floor industrial estate building. Dy. C. F. O. N. V. Chitnis, due to suffocation of Carbon Monoxide gas, while fighting the fire. declared as dead by Hospital authority.	3,22,000/-
4-11-1980 2355 hrs.	S. V. S. Marg, Messrs. India United Mill, No. 6, Bombay.	Textile Mill.	Firemen with 2 hydrent lines.	Rotary Printing Machine, C. I. Sheet roof, large stock of cloth under process, electric installation, motors, etc. severely damaged.	31,00,000/-

APPENDIX II

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Loss
1	2	3	4	5	6
8-11-1980 2335 hrs.	Messrs. Philay Mill Ltd., Saibaba Marg, Parel.	Textile Mill.	Firemen with 6 motor pumps and 2 hydrant line.	large stock of soft cotton waste, hard cotton waste, rags, chindis, furniture, office record, C. I. sheet structure severely damaged.	Rs. 9,20,000/-
14-11-80 0345 hrs.	Shiva Trading Corporation compound, 24, Government Industrial Estate, M. G. Rd., Kandivli (W).	..	Firemen with one small engine line.	One draw frame machine, packing material, one motor tyre, body & drivers cabin of the lorry, engine of the lorry et. severely damaged.	1,53,000/-
15-11-80 0234 hrs.	Alakha Laboratories, 228, Gurugovind Industrial Estate, Goregaon (East).	Manufacturing Cosmatic items and Bindi.	Firemen with 5 small engine lines.	Two grinder machine, 2 Kajal filling kettles, grinder roller, plastic carboys, cosmatic raw material, electric installation etc. severely damaged.	1,35,000/-
11-12-80 2344 hrs.	Mayani Industries, Sonawala Cross Lane, Goregaon (East).	Machinery parts, mfg. textile machinaries, etc.	Firemen with 4 engine lines of 4 motor pumps.	Stock of textile and other machinery, electric motors, fans, still and wooden furniture, wooden loft, electric installation etc. severely damaged.	3,36,200/-
16-12-80 0118 hrs.	Sattar Sea View, 45, Dr. N. A. Purandare Marg, Bombay.	Eating house and residential house.	Firemen with 5 line of 8 motor pumps.	Furniture, electrical appliances, household articles, doors, windows, electrical installation, Liftshaft, etc. severely damaged.	3,79,600/-
20-12-80 0419 hrs.	Messrs. Hotel Imperial Palace, 45, Teli Gully, Andheri Kurla Road, Near Vaikuntha Park, Andheri (E), Bombay.	Eating house, & lodging.	Firemen with 1 big & 2 small engine of 2 motor pumps.	Stock of liquor, 2 airconditioning machine, 1 hot cas, 1 refrigerator, carpet, ceiling exhaust and padestrian fans, etc. severely damaged.	1,75,000/-
23-12-80 0534 hrs.	Acme Industrial Estate, 2nd floor, Gata No. C-17, 6 & 7 Sewree Koliwada Road Bombay—	Manufacturing of Pickle, & mfg. Hosiery.	Firemen with 2 motor pumps.	Large quantity of packing papers, packing materials, plywoode, fancy pin boxes, furniture etc. severely damaged.	3,80,000/-
10-1-1981 1246 hrs.	Senaptai Bapat Marg, Mahalaxmi Car Shed, Bombay.	Western Railway.	Firemen with one engine line & one hydrant line.	Plywood sheet, paint drum, decorative materials, electric installation, paint work of the body of the Railway coach severely damaged.	11,00,000/-
17-1-1981	67-A, Suryaji Compound, Tank Pakhadi Street, Bombay.	..	Firemen with 8 engine lines of 9 motor pumps, & civil defence with their 1 engine line.	Four structures area about 150 ft. x 40 ft. each CI sheet, Partialy brick walled and tiled roof contain large stock of yarn, fabric cloth powerloom machinaries, etc. severely damaged.	23,28,000/-
20-1-1981 1431 hrs.	Vidya Vihar Central Railway Station Platform No 1, Vidya Vihar.	..	Firemen with 1 wate line of motor engine and 1 water line of R. P. F. fire/motor motor engine	Entire motor coach severely damaged.	3,00,000/-
22-1-1981 2101 hrs.	Messrs. Polychem Pvt. Ltd. 45-A, S. V. Road, Goregaon (West).	..	Firemen with 15 Engine lines of 13 Motor pumps	Large stock of polystyrene in process and pigments, synthetic rubber, various machinery electric cable, installation, Computer paned, ect. Severely damaged.	42,00,000.00
4-2-1981 2243 hrs.	Swati Processor, Ghatla Village, Vithalwadi, Chembur.	Textile Process godown.	Firemen with 4 motor pumps.	About 1100 pieces of finished cotton fabrics, electrical wiring, large quantity of various packing material, waste paper, etc., severely damaged,	3,38,940.00
18-2-1981 1515 hrs.	Messrs Dhanesh Textile Industries, Sir Vishveshwar Industrial Estate, Goregaon (East).	Textile Processors	Firemen with 6 lines from 6 Motor Pumps and line of Civil Defence	Large stock of grey cloth, raw as well as finished stock of cloth, printing tables, colour dyes, plastic papers, etc. severely damaged by fire, heat, oke and water.	8,00,000.00
23-2-1981 2110 hrs.	Shivji Kuthir, L.B.S. Marg Kurla (West)	Dealing in scrap metal, plastic goods, gunny bags, etc.,	7 Water lines of 12 Motor Pumps and 1 line of Motor Pump of Civil Defence.	About 42 ground floor sheds on area about 300' x 250' severely damaged. Some stock of scrap plastic, gunny bags, waste paper, P. V. C. scrap, scrap bottle etc. severely damaged.	3,72,900.00
26-2-1981 2120 hrs.	Shalimar Theatre, 335, Maulana Shaukatali Road, Grant Road, Bombay.	Film Exhibitors	Firemen with 6 motor pumps with 6 lines.	State, faxile ciling with A C. ducting, steel truss, A. C. Sheet roof, side wall, panelling, seats, electric installation, etc etc. severely damaged.	15,00,000.00
28-2-1981 0404 hrs.	M. G. Road, Sainathth Shopping Centre. Opp. Saniacruz Railway Station, Saniacruz.	Cloth merchant.	Firemen with 2 jets from 2 Motor Pumps.	Large stock of cloth, leather shoes, wooden furniture, electric installation, wooden loft, doors, shutters, roof, etc. severely damaged.	2,80,000.00
9-3-1981 1139 hrs.	Moghal Lane, New Era Ltd.	Messrs. Dyeing & Bleaching Wokrs.	Firemen with 6 lines of 3 Motore Pumps.	A thermo pack boiler pannel board and large stock of cloth severely damaged.	1,60,000.00
20-3-1981 0036 hrs.	Radha Dyeing and Printing Mills Ltd.	Dyeing & ; Printing Mills.	Firemen with 6 Motor Pumps.	Three automatic printing machine, one stirring machine, large quantity of finished polyester cloth, drums containing chemicals, and colours, electric installation, 200 screen frames, etc., severely damaged.	10,00,000.00
22-3-1981 2012 hrs. ;	Makwana Road, Marol Village, Apurwa Industrial Estate, Andheri (East).	Manufacturing chemical hydraulic brake oil.	Firemen with 1 small engine line of 1 motor; pump.	Large stock of plastic containers stock of corrugated paper box, two heat filling machines, grinding machin one gasket fock machine, one oil filling machine, etc., severely damaged.	1,70,000.00
24-3-1981 0258 hrs.	Liberty Oil Mills, 16, L.B.S. Marg, Ghatkopar (West).	Manufacture of oil cakes, vanaspati.	Firemen with 7 Water Lines of 9 Motor Pumps including Civil Deference.	12 expellers with 24 electric motors, 11 conveyers with electric motors, 3 filter press, 4 centrifugal motor pumps, some stock of cotton seeds in gunny bags severely damaged.	15,40,000.00

APPENDIX-III

Brief details of Serious House Collapses during the year 1980-81.

Serial No.	Date and Time	Place	Death	Injury	Details
1	2	3	4	5	6
1	5-6-1980 0715 hrs.	Keshar Building 211, Shamaldas Gandhi Marg, Bombay 2.	10	7	A rear side South-west portion of a five storeyed residential Building, comprising of W.C. and washing place block as well as the living rooms had completely collapsed.
2	2-7-1980 0532 hrs.	48, 2nd Kamathi-pura lane, Mistry Building, Bombay 8.	4	6	A rear three floors of four floored building had completely collapsed, trapping number of casualties and number of persons stranded on upper floors on the front side.
3	3-7-1980 0200 hrs.	Samudrasita Sangitsarita Building, 61D, Hajari gally of Bhulabhai Desai Road, Bombay.	2	4	A portion of compound wall on a hill had collapsed along-with loose earth on some huts and building under construction which were located at the foot of the hill.
4	4-7-1980 1807 hrs.	Ismail Building, A-Block, Cutlary Market, Janjigar Street, Bombay.	4	6	A rear portion of a four floor floored residential building comprising of 2 living rooms on each floor and sanitary block had collapsed in the narrow common passage between the adjoining two buildings, injuring and trapping number of occupants of the building as well as shops of the adjoining bldg.
5	12-7-1980 1253 hrs.	58, 2nd -Bhoiwada, Bhuleshwar, Bombay.	7	5	The large portion of the flooring of 2nd, 3rd and 4th floor of a floored old residential building under repairs, had given way thereby burying number of occupants under the fallen debris.
6	16-8-1980 0535 hrs.	50-A, Huzaria Street, Chataiwala Building Off Mastan Tank Road, Bombay.	2	8	A portion of a four storeyed residential building com- of one living room on each-floor had collapsed trapping occupants of the building.
7	25-8-1980 0924 hrs.	198, Ganga Ashram Bldg. Bhavani Shankar Road, Bombay.	3	3	The entire south-west portion of five floored building, consisting of four rooms on each floor had collapsed and and several persons were trapped.
8	12-9-1980 2206 hrs.	Our Lady of Nazareth School, Bhaindar Church Near Police Station, Bhaindar.	2	10	A school building under construction had collapsed. The portion of thee floored R.C.C. Structure being built for school had collapsed and in all 12 workers were trapped, under the debris.
9	9-12-1980 0257 hrs.	119-123, Bhandari Street, Ghate Building Duncon Road, Bombay.	4	..	A portion of external wall of four floored building, (Bldg., No. 123) had collapsed and fallen over ground floored adjoining structures (Bldg. No. 119).
10	12-12-1980 0620 hrs.	5, Bhandarwada Cross Lane, Maulana Azad Rd., Bombay.	1	8	A portion of sanitary block and balcony of a two floored building had collapsed. Several people were trapped underneath the debris and and some were tranced on upper foors.
11	16-1-1981 0450 hrs.	A/16 Gagdish Bhavan, Lohar Chawl, Cadell Rd., Mahim, Bombay.	4	..	A portion of four floored bldg. had coplapsed trapping persons under the debris.
12	4-2-1981 1512 hrs.	124, Narayan Dhuru Street, Gupta Mention, Bombay 3.	3	8	Large portion of floorings of two upper floors of a five floored building and load bearing and partition wall had collapsed. Number of persons were reported to be underneath the debris.

APPENDIX—IV

Serial No.	Type of Rescue	In fire	In accident	Total
1	Number of persons rescued alive with subsequently recovered.	355	761	1116
2	Number of persons rescued alive with burns and/or injuries but subsequently died.	105	325	430
3	Number of human lives lost before arrival of Brigade	35	92	127
4	Number of casualties amongst Fire Service personnel	15	9	24
5	Number of animals lives rescued	7	196	203

APPENDIX No. V.

Fire Risk Covered :

1	Textile Woollen Silk and artificial silk (Rayon etc., Mills)	...	...	165
2	Ginning Mills	...	...	4
3	Cotton Presses	..	..	11
4	Oil Mills	..	..	26
5	Petrol and Oil storages, refineries	...	...	24
6	Match factories, fire works and explosives manufacturers	...	..	3
7	Explosives stores	...	...	12
8	Processes involving dangerous petroleum products	...	...	9
9	Cinematograph films Celluloid plastics and Bakelite works	...	...	21
10	Timber and wood working paper manufacture	...	...	106
11	Chemical Works	..	...	59
12	Gas and Electricity Undertaking	...	...	69
13	Docks, railways, Air-Port installations	...	...	30
14	Warehouses, Goods Yards, Goods Sheds	...	...	212
15	Manufacture of rubber goods	...	...	17
16	Manufacture of other goods	...	...	433

Water Facilities :

17	Hydrants and approximate capacity	...	...	...	8726
18	Water Ponds	...	...	...	15
19	Refilling places	...	..	..	37
20	Wells Rivers and Canals	..	..	..	693
21	Other facilities like static tanks, storage tanks etc.	..	..	..	182

} and Sea Water
around the island of
Bombay.

Appendix No. VI

Summary of calls to Fires (including false alarms) showing the number of times appliances of the Fire Brigade attended and extinguished fires during the year 1980-81

Sr. No.	STATIONS.	NUMBER OF FIRE ALARMS ATTENDED.		HOW CALLED		HOW ATTENDED														HOW EXTINGUISHED.									
						STATION APPLIANCES				AIDING APPLIANCES.																			
		Municipal.	Private.	By Strangers.	By Fire Alarms.	Control Room	Total.	Motor Pump carrying Esc. pe or Ladder	Extension	Snorkel	Escape	Extension	Motor Turn table Ladder.	Fire Unit.	Trailer Pumps.	Motor Emergency Tender.	Control Post	Hose Lorry	Sand.	Buckets.	Chemical Extinguishers.	Cutting of Current	First Aid Appliances.	Hydrants.	No. of Motor Pumps.	No. of Jets.	B. A. Sets	Fire Equipments	Snorkel
1	Colaba			17	11	168	196	190	11	...	41	13	20	...	...	5	...	...	52	21	10	51	46	...	7	7	...	...	51
2	Fort			35	3	277	315	304	18	4	36	46	5	...	...	9	1	2	50	24	29	52	23	...	14	16	...	...	...
3	Memowada...			67	3	648	718	674	75	...	42	42	18	...	25	15	...	9	160	71	12	121	40	...	31	23	...	...	...
4	Gowalia Tank			66	2	426	494	476	18	...	155	45	4	...	28	30	2	2	96	40	6	...	51	1	41	15	...	...	...
5	Byculla			51	...	312	374	233	110	4	52	37	...	...	...	...	3	2	38	38	53	39	34	7	3	44	...	9	...
6	Worli			41	...	433	430	335	284	...	53	227	2	...	...	7	3	4	23	17	512	...	9	21	32	44	68	7	...
7	Dadar			140	...	206	346	198	167	...	141	74	1	...	...	11	1	1	34	24	434	...	19	26	1	19	...	...	36
8	Shivaji Park			22	...	184	206	...	206	...	37	18	...	...	...	10	1	...	78	97	...	...	...	...	3	4	...	...	...
9	Indira Dock...			4	1	125	130	73	85	...	85	37	1	...	...	1	...	1	24	3	10	...	36	...	61	36	...	...	...
10	Mandvi			10	1	165	176	153	28	...	35	29	...	...	15	3	...	...	36	13	9	...	10	...	...	...	...	...	1
11	Sewree			29	...	128	157	156	1	...	65	56	1	...	...	6	2	1	36	18	123	...	15	16	51	50	...	3	1
12	Andheri			24	...	631	655	...	722	...	2	113	2	...	...	23	2	1	121	97	14	...	9	...	6	61	...	...	...
13	Vikhroli			46	...	244	290	...	270	1	1	89	...	...	13	2	2	3	72	49	17	...	9	5	85	77	...	2	...
14	Chembur			36	...	228	264	...	289	...	...	1	44	...	...	7	...	...	65	29	10	...	12	6	35	56	...	...	...
15	Dharavi			24	...	139	163	156	2	...	5	46	9	14	...	3	1	...	47	24	17	...	21	...	25	23	...	...	1
16	Deonar			19	...	54	73	73	...	...	29	...	...	...	...	...	1	...	27	4	...	...	3	...	8	9	...	...	...
17	Mulund			45	...	143	164	...	162	...	...	46	...	...	...	13	1	1	23	20	229	...	8	8	19	20	...	...	...
18	Raoli Camp...			19	...	54	73	...	76	...	12	18	1	...	...	4	...	...	16	15	...	...	5	...	8	12	...	...	...
19	Kandivli			71	...	272	343	...	364	...	...	102	...	...	...	9	2	2	107	44	40	...	11	5	63	56	...	...	...
	Total			766	21	4813	5600	3071	2888	9	768	1030	108	14	86	153	22	29	1106	630	1545	520	331	95	408	572	63	16	42

APPENDIX No. VII.

Fires and losses for the period from 1975-76 to 1980-81.

YEAR	NO. OF FIRES	ESTIMATED LOSS
		Rs.
1975-76	2117	14,47,29,889
1976-77	2487	5,25,01,970
1977-78	2546	6,22,20,180
1978-79	2907	6,05,21,621
1979-80	3090	5,00,00,276
1980-81	3286	5,64,00,000

APPENDIX No. VIII

Special Service Call

Serial No.	Date and Time	Place	'Death, 'Injury'	Details	
1	9-6-1980 2320 hrs.	Krushanchandra Marg, Bunder wadi, Bazar Road, Bandra (W) Bombay.	..	92	A leaking Chlorine gas cylinder of about 200 kgs. capacity was being discharged in the nala on open ground with result adjoining hutment colony got contaminated by the gas and 92 persons overcome by the gas.
2	28-12-80 2320 hrs.	Sk. Mistry Darga Road, Antop Hill, Wadala, Near Central Government Quarters, Bombay.	19	10	A tanker bearing No. MHS/5399 dashed against a private taxi bearing No MMT/936 and rushed to road side private path and causing injury to 29 persons.

MARKET DEPARTMENT

Salient Features

In the year 1980-81.

Income	Rs. 1,76,56,646	Expenditure	1,47,94,267	
Markets maintained :		Municipal	Private	
City		34	11	
Suburbs		31	3	
Extended Suburbs		12	5	
		City	Suburbs	Ex-Suburbs
Markets developed	4	3	3	
Markets under development	6	3	..	

There are 96 markets—77 Municipal and 19 Private, under the control of the Corporation. In addition to this, 933 licences have been issued for outside shops of meat and fish to cater to the increasing demands of citizens.

The entire activities of the department are managed by 1093 personnel (supervisory-6, Inspectorial-219 Indoor staff-62 and labour staff 806).

The markets are situated in different areas viz. (1) city, (2) Eastern & western suburbs and (3) Eastern and western extended 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	34	11	292	1,41,02,285	58,47,506	45,19,762
(2) Eastern and Western Subs.)	31	3	515	26,46,285	20,64,026	12,79,795
(3) Eastern and Western Extended Suburbs.	12	5	131	9,08,076	6,94,730	3,68,448
Total	77	19	938	1,76,56,646	8,60,62,62	6,18,80,05

Cold storage at M. J. P. Market was out of order. Hence, it worked only for a period of half a year.

During the year, revenue amounting to Rs. 1,76,56,646 was collected against the amount of Rs. 1,14,62,411 for the previous year. So also, expenditure for the year was Rs. 1,47,94,267 as against Rs. 1,14,72,633 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 6199 raids were carried out and Rs. 75,551 were collected by way of fine and auction of stuff.

Immunisation of cattle and dogs was done by a Board of Veterinary staff. During the year, 310 dogs and 61919 milch cattle were immunised at 10 centres. The curative and preventive treatment of animals was continued at Khar Veterinary Dispensary.

Due to increasing number of hawkers during the year 1980-81, most of the municipal markets in suburbs and extended suburbs were not patronized well. Majority of the markets were in deficit.

The progress of the development of the markets is as below :

City Markets

The following markets are fully developed :

- (1) Market at Chapsi Bhimji.. The stilt portion is to be developed as small shopping centre. Plans are ready. It is proposed to auction the spaces and to ask the parties to construct the shops.
Road, Moharch Bldg., .. Mazgaon.
- (2) Masjid Bunder Market .. Building is already completed. Proposal for fixing the stallages has been put up to the Standing Committee.
- (3) Jijamata Nagar, Kala .. Market is started from 21-6-80.
Chowky (temporary) Mkt.
- (4) Matunga Labour Camp .. Market started from 1-6-80.
Mkt.

The following markets are under development :

- (1) Colaba Market .. 1st & 2nd phases are completed. Old market is shifted to the new building and old building is demolished and work order to start the pile foundation work is issued to the contractors :
- (2) Babu Genu Market .. Work order to start 3rd phase of work is already issued to contractor. Contractor has demolished old fish section but work did not start for want of cement.
- (3) Kamathipura Market .. Tenders for 1st phase are invited.
- (4) Market at D. P. Wadi, .. Work order to start the work is issued to the contractor and the
Ghodapdeo. contractor has started the work for super structure.
- (5) Elphinstone Road Market .. The work of super structure is started recently.
- (6) Prof. D. K. Mandai .. Repairs Board is developing this market. 80 percent of work is over.

Markets in Eastern and Western Suburbs.

Following markets are fully developed.

- (1) Khar Danda Market .. Some shop-keepers, some vegetable space holders have occupied
(Temp.) spaces. Fish section is not occupied.
- (2) Dadabhai Nawroji Nagar .. Due to court cases, only 14 fisher women are allowed inside the
Market. market. 18 vegetable spaces have been given out of 21 spaces of
K/West. All other spaces are put to auction and are being
occupied.
- (3) Deonar Hutment Colony .. Fish, mutton and beef sections have been started. Some of the
Mkt. vegetable stalls are given on temporary basis and are charged Rs.5
per day (revised rate) for using vacant stalls, as per schedule. The
inventory of the hawkers is being done by Beat Officer 'L' M.
Ward. No sooner the same is completed, the hawkers will be
given stalls by draw of lots.

Following markets are under development :

- (1) China baug Market Vakola .. The work is in full progress. It will be completed after 4 months.
Santacruz, (East).
- (2) Khar Market Central .. The work is under construction. The progress is very slow.
Pavilion
- (3) Kena market at Govandi .. Tenders are being invited for completion of final stage.
(under Bridge)

Markets in Western & Eastern extended suburbs.

Following Markets are fully developed.

- (1) Topiwala market, .. 1st phase is completed. Dealers are not ready to occupy as they
Goregaon. (W). want proper road etc. Further action is being taken.
- (2) Market on plot No. 5-A .. Notices have been issued to all the stall holders. W. O. (T) to
at Mulund (West). pursue action.
- (3) Market on plot No. 36 at ..
Mulund (West). Do.

A. Y. KULKARNI.
W. O. (Markets)

DEONAR ABATTOIR

Since the commissioning of the Abattoir all the units continued to function smoothly.

Due to the ban on the export of mutton from January 1980, there is a substantial fall in arrival and slaughter of sheep and goats. Cold storage facilities which were made available to the licensees and exporters could also not be utilised to the full extent. On account of ban imposed on export of mutton by the Government of India. Export slaughter of few animals which was started from November 1980 was managed during shift hours.

Production of the blood meal and meat meal was continued in the inedible plant and the International standard was maintained for the products. Approximately 95 tons of blood meal and 74 tons of meat meal were produced during the year. This rendering of offal and waste material of slaughtered animals has resulted in savings in the expenditure. This scientific disposal of the waste material, has also avoided environmental pollution and health hazard.

The exporters continued to take the benefit of the ideal arrangements provided at the Abattoir.

The gas produced in the Gobar 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 Municipal Meat Vans were made available for the transport of sacrificed meat.

Messrs. Hoechst Pharmaceuticals Ltd., continued to utilise the facilities for the slaughter of animals at Deonar Abattoir for the pharmaceutical use for production of foot and mouth diseases vaccine. Pharmaceutical concerns like Messrs. Griffon Laboratories, Messrs. Raptakos and Brett. Co., Messrs. Immu Kimia the Haffkine Institute and many other technical and research Institutes continued to take benefit of the facilities for collection of various glands, tissues etc., at Deonar Abattoir for Pharmaceutical use and research purpose.

Educational Institutions like Bombay Veterinary College, Konkan Krishi Vidyapeeth, Marketing trainees from Director of Marketing and Inspection Government of India Local Self Government Institute Bombay and many other Educational Institutes availed 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. D. M. BAILUR,
General Manager,
Deonar Abattoir.

STATEMENT I

Part—I.

	Buffaloes	Bullocks	M. B. Cs.	Sheep/ Goats	Pigs
Brought					
1979-80 ..	71,774	1,19,208	10,260	33,87,571	29,890
1980-81 ..	73,368	1,16,383	4,986	26,97,573	33,955
Rejected					
1979-80 ..	847	1,458	120	4,566	...
1980-81 ..	767	1,208	74	1,605	...
Percentage of Rejection.					
1979-80 ..	1.3%	1.2%	1.1%	0.2%	...
1980-81 ..	1.5%	1.03%	1.4%	0.07%	...
Animals Removed					
1979-80 ..	1,799	533	98	3,11,592	1

Part-II

Meat	Quantity Produced (in tons)		Quantity Condemned (in tons)		Percentage of condemnation	
	1979-80	1980-81	1979-80	1980-81	1979-80	1980-81
Beef	31,139.40	26,311.02	118.03	85.85	0.38%	0.32%
Mutton	22,143.59	17,548.98	14.05	9.24	0.08%	0.05%
Pork	880.27	850.09	8.09	10.72	1.02%	1.17%

STATEMENT—II

Revenue collected at Deonar Abattoir

	1979-80	1980-81
	Rs.	Rs.
(1) Fair fees	43,69,914	46,14,176
(2) Slaughter fees	71,21,939	76,69,241
(3) Licence fees	2,18,500	2,52,858
(4) Blood fees	3,76,068	4,18,899
(5) Service charges for slaughtering of animals	87,75,765	89,81,111
(6) Miscellaneous Receipts	12,31,982	21,54,912
(7) Rent	3,17,919	3,11,629
	+14,22,170	
Grand total	2,38,34,257	2,44,02,826

LICENCE DEPARTMENT

HIGH LIGHTS :

- (1) Expenditure on the Department :—
 (a) Establishment .. Rs. 73,38,269 }
 (b) Others .. Rs. 2,21,650 } Rs. 75,59,919
- (2) Revenue earned by the Department : Rs. 3,23,60,532.
 (No. of licences issued and amount realised)

Section of B.M.C. Act.	No. of Licences issued.			Revenue realised (in Rs.)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
313(1) (b) (c) ..	47,226	2,440	858	36,48,684	1,68,738	42,529
313(A)/313B ..	10,460	2,519	811	42,55,489	11,58,847	4,17,553
328/328A ..	5,260	1,461	604	60,14,596	9,24,839	2,27,499
393/394 ..	62,423	26,746	15,889	82,60,591	48,50,700	23,90,477

- (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
8,228	3,719	2,812	7,41,595	3,75,955	6,20,000

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 wing issues licences under sections 394 and 393 of the B. M. C. Act with a view to regularise the storage of licensable commodities and trades and for effectively controlling steam Whistles and Steam trumpets storage etc.

As per the experts Committee's recommendation the question of classification of substances into various classes on scientific basis and prescribing conditions for their safe storages, select Committee was appointed and drastic revision on scientific basis has been proposed in the Schedule 'M' appended to Section 394 of the B. M. C. Act, a Government has approved the same *vide* Government Gazzatte on 26th October 1979 and Schedule of fees for the same has been approved by the Corporation *vide* their resolution No. 1466 dated 22nd January 1981 and has been given effect from 1st January 1981.

(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 experiments of issuing temporary monthly permissions for hawkers was tried but it did not work as expected owing to various reasons. Temporary Monthly Permissions are now stopped Corporation again reconstituted the Hawkers Committee at their meeting held on 18th March 1980 to consider the question of suitably modifying the present policy of issuing Hawker's licences in City by creating more Reserve Areas without detriment to the traffic and other requirements etc. The Hawkers Committee at their meeting held on 8th August 1980 had prescribed guidelines and accordingly the Hawking Zones are under preparation.

(3) **Stall Board :** 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.

(5) **Mass Raid Section :** The Department has introduced 5 Mass Raid Squads for checking unauthorised storages and trades. These special squads have made a good impact by detecting unauthorised storages and trades and also detecting the persons who did not observe licence conditions. During the year these squads checked 29,752 premises and filed prosecutions in 5,621 cases. They have also forfeited Security Deposits in 4,530 cases for minor infringement of licence conditions.

D. N. MORE,
Superintendent of Licences (I/c.).

APPENDIX 'A'

Statement showing the No. of licences and permits issued and fees recovered in the year 1978-79 to 1980-81.

Description	NO. OF LICENCES AND PERMITS									AMOUNT OF FEES REALISED.								
	City			Suburbs			Ex. Suburbs			City			Suburbs.			Ex. Suburbs.		
	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81
										Rs.			Rs.			Rs.		
(1) Commodities & Trades including Milk & its products (Sec. 394 & 412 A)	57,166	57,330	61,316	19,580	24,950	26,278	12,382	13,828	15,654	72,10,454	73,00,657	82,26,017	38,47,628	47,27,263	48,28,740	21,66,285	24,22,030	23,77,691
(2) Blowing steam whistle (Section 393)	39	147	49	37	47	51	33	35	43	1,360	1,599	1,979	2,595	2,516	3,495	2,040	2,638	3,370
Total	57,205	59,477	61,365	19,617	24,997	26,329	12,415	13,863	15,697	72,11,814	73,02,256	82,27,996	38,50,223	47,29,779	48,32,235	21,68,325	24,24,718	23,81,061
(3) Transfer of fees (Sec. 394 and 412A)	1,182	1,016	1,058	502	291	417	152	261	192	29,578	31,591	32,595	18,208	31,660	18,465	7,662	8,556	9,416
Grand Total	58,387	60,493	62,423	20,119	25,288	26,746	12,607	14,124	15,889	72,41,392	73,33,847	82,60,591	38,68,431	47,61,439	48,50,700	21,75,987	24,33,274	23,90,477

APPENDIX 'B'

Statement showing the No. of permits for advertisement issued and amount of fees collected during the year 1978-79 to 1980-81 under Section 328/328A

Description	NO. OF PERMITS									AMOUNT OF FEES REALIZED.								
	City			Suburbs			Ex. Suburbs.			City			Suburbs.			Ex. Suburbs.		
	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81
(1) Wall posters hoardings & boards																		
(2) Movable boards and handcars																		
(3) Illuminated Advertisements Sky-signs	4801	4,169	5,260	1,040	1,273	1,461	420	364	604	28,13,701	30,89,093	60,14,596	4,34,372	5,30,366	9,24,839	1,37,467	1,51,312	2,27,499
(4) Non-illuminated Sky-signs																		
(5) Wall paintings																		
Total	4,801	4,169	5,260	1,040	1,273	1,461	420	364	604	28,13,701	30,89,093	60,14,596	4,34,372	5,30,366	9,24,839	1,37,467	1,51,312	2,27,499

APPENDIX 'C'

Statement showing the number of Hawkers Licences issued and amount of fees collected during the year 1978-79 to 1980-81

Description.	Year.	No. of Licences issued.			Amount of fees collected.		
		City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs
(1) Scatter's fees collected in the reserved areas (under Sec. 313).	1978-79	8,383	1,031	381	27,58,650	6,41,792	1,60,989
	1979-80	9,253	2,938	413	29,86,108	7,93,296	1,75,851
	1980-81	10,059	2,372	645	27,95,442	7,87,471	2,12,683
(2) Fees received from itinerant hawkers licences (under Section 313A).	1978-79	208	681	270	4,021	1,18,150	42,409
	1979-80	1,669	2	175	97,573	17	29,908
	1980-81	401	147	166	1,01,646	15,505	35,741
Total of Items 1 and 2	1978-79	8,591	1,712	651	27,62,671	7,59,942	2,03,398
	1979-80	10,922	2,940	588	30,83,681	7,93,313	2,05,759
	1980-81	10,460	2,519	811	28,97,088	8,12,976	2,48,424
(3) Recovery of expenses under (Section 490) for removal of Encroachments under Section 314.	1978-79	...	...	...	10,59,651	1,51,821	85,714
	1979-80	2	...	...	10,97,541	3,02,591	1,12,090
	1980-81	...	...	...	13,58,391	3,45,871	1,69,129
Final Total	1978-79	8,591	1,712	651	38,22,322	9,11,767	2,89,112
	1979-80	10,924	2,940	588	41,81,222	10,95,904	3,17,849
	1980-81	10,460	2,519	811	42,55,479	11,58,847	4,17,553

APPENDIX 'D'.

Statement showing the number of Licences issued in respect of Stall-board etc. projections in City Suburbs and extended Suburbs during the Year 1978-79 to 1980-81 under Section 313(1) (b) (c).

Year	No. of licences issued.			Amount of fees collected.		
	City.	Suburbs.	Extended Suburbs.	City.	Suburbs.	Extended Suburbs.
1978-79	45,397	2,250	778	32,39,618	1,57,809	38,290
1979-80	48,168	2,322	778	33,98,300	1,54,245	52,189
1980-81	47,226	2,440	858	36,48,684	1,68,738	42,529

SHOPS & ESTABLISHMENTS

SALIENT FEATURES:

Revenue receipts	Rs. 23,53,886.50
Expenditure on different activities (exclusive of Provident Fund, Leave contribution and supervision charges etc.)	Rs. 19,98,476.73
Number of Establishments registered	: 2,22,127
Complaints received	: 1,331
Complaints disposed of	: 1,246
Prosecutions launched	: 22,610
Cases decided.	: 22,513
Total fines realised.	: 9,15,228
Grant-in-aid received during the year for the administration of the year 1979-80 from State Govt. :	NIL.
Total benefits regarding Minimum wages	:—
(1) Number of employees benefitted	: 654
(2) Amount paid by way of owners	: Rs. 1,43,252.85

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 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 consists of 5 Supervisory Staff, 90 Inspectorial Staff and 101 indoor staff. The Chief Inspector is in charge of the department.

The total number of Establishments registered under the Bombay Shops and Establishments Act, 1948, were 2,22,127 and their classification is shown in Appendix 'A'.

The total complaints received during the year were 1,331 out of which, 1,246 were disposed of as detailed in (Appendix 'B').

Similarly total number of prosecutions launched under Bombay Shops and Establishments Act 1948, during the year were 22,610 and 22,513 prosecutions were decided and fine of Rs. 9,15,228 was inflicted.

This year the State Government have not sanctioned grant-in-aid for the year 1979-80 as there was no surplus of expenditure over income for the administration of the Shops and Establishments Act for the said year.

The total expenditure incurred on different activities of this Department during the reporting year amounted to Rs. 19,98,476.73 P. (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. 23,53,886.50.

The 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 6,542 out of which 3,408 were for Shops, 2480 for Commercial Establishments, 625 for Residential Hotels, Restaurants and Eating Houses and 29 for Theatres.

As a result of intervention of Inspectors of this Department an amount of Rs. 1,43,252.85 was distributed to 654 employees of different Establishments by way of increase in wages, difference, etc

In all 1,116 Mass Raids were held during the year for the purpose of enforcement of the provisions of the Bombay Shops and Establishments Act, 1948 and Minimum wages Act, 1948.

APPENDIX 'A'

Registered Establishments.

Category.	City	Suburbs	Exte. Subs.	Total.
1 Shops.	80,917	39,812	14,816	1,35,545
2 Commercial Establishments.	55,856	11,920	7,216	74,992
3 Residential Hotels.	445	136	36	617
4 Restaurants & Eating Houses.	6,050	3,605	1,153	10,808
5 Theatres, etc.	97	48	20	165
Total	1,43,365	55,521	23,241	2,22,127

APPENDIX 'B'

Complaints Received.

	Compalints.											
	Outstanding at the beginning.			Received during the year.			Investigated during the year.			Pending at the end of the year.		
	City	Sub.	Ext. Sub.	City	Sub.	Exte. Sub.	City	Sub.	Ext. Sub.	City	Sub.	Ext. Sub.
(1) Shops & Estts. Act, 1948.	87	7	13	661	184	90	700	175	87	48	16	16
(2) Payment of 20 wages Act, 1936	..	..	..	83	...	1	92	...	1	1	..	..
(3) Minimum wages Act 1948	5	3	...	110	57	20	112	59	20	3	1	..
(4) Workmen's Compensation Act.	..	..	..	..	...	..	..	...	..	..	..	..

V. R. SARANG,

Chief Inspector, Shops and Establishments.

MUNICIPAL GARDENS

Sallent Features.

(1) Income	.. Rs. 7,70,000.00
(2) Expenditure	.. Rs. 5,26,90,170.00 (including Loan Works)
(3) Amount spent on the Zoo	.. Rs. 6,86,104.00 (Excluding Estt.)
(4) Expenditure on New Works and Special Repairs	.. Rs. 70,66,950.00

(5)	Description	City	Western Suburbs.	Eastern Suburbs.	Total
(1)	Gardens	134	80	32	266
(2)	Playgrounds	78	30	15	123
(3)	Gardens attached to Municipal Bldgs. . .	16	4	3	23
(4)	Fountains	30	12	15	57
(5)	Band Stands	6	3	3	12
(6)	Box Hedges	1	1	..	2
(7)	Statues	10	1	..	11
(8)	Traffic Islands	34	5	1	40
(9)	Nurseries	6	6	4	16
(10)	Sale Counters	1	2	2	5

(6) Gardens added during the year 1980-81 :

(1) Gardens	.. 13
(2) Playgrounds	.. 10
(3) Fountains	.. 3
(4) Bandstands	.. ..
(5) Traffic Islands	.. 2
(6) Nurseries	.. ..
(7) Plant Sale Counters	.. ..

(7) Tree Planted .. 13253 Nos.

(8) Plant distributed .. 63000 Nos.

The Garden Department, which is looking after recreational activities of the Corporation maintained 266 gardens, 123 playgrounds 23 gardens attached to Municipal Buildings, 40 traffic island gardens, 57 Water Fountains, 12 Band Stands 16 Nurseries and 5 Sale counters all over Greater Bombay.

Veer mata Jijabai Bhosle Udyan, Centrally located has remained one of the best attractions to the visitors as it was in the past. Joy rides, modern play-apparata installed in the garden remained attraction of the Children.

As a part of grow more tree campaign, about 60,000 trees were distributed free of cost from various nurseries from C ty, Suburbs and Extended Suburbs to Co-op. Housing Societies, Public Trusts, Colleges and Public Institutions for planting in their premises. Necessary technical guidance was also rendered to the institutions for their plantation and proper maintenance by visiting the sites, wherever necessary as was done in 1979. These measures, are likely to contribute a great deal towards combating the air pollution and enhancing the greenery of Bombay in the years to come.

ZOO.

During the year under report, we have achieved a good record in breeding the important animals like Hoippopotamus, Nilgai, Sambar, Spotted deers, Albino Black Buck, Indian Antelope Barking Deers and birds like peacock and painted stork etc.

Besides we have added one pair of each of white and black swans as donation from Sidha Yoga Dhama of America through the good will of Sidha Yoga Dham of Ganeshpuri. A pair of Wallaby Kangaroo a pair of Chimpanzee, 4 pairs of Pheasants, a pair of Crowned Crane, a pair of Red Blue Macaw were added to the Zoo by way of exchange of animals from Soest Holland. 5 baby

Regular annual painting, maintenance of the cages, planting of trees in the cages and enclosures to offer shade natural environment to the animals, breeding facilities for the birds and animals were provided as was done in the past. Top importance is given to preventive measures mainly in Birds. The Zoo dispensary is also maintained nicely. Proper hygiene is maintained throughout the year by keeping the cages and enclosures clean with disinfectant and detergents, which has resulted in low mortality rate among the animals and birds of the Zoo.

During the year under report an amount of Rs. 6,86,104 was incurred on Zoo as against the budget provisions of Rs. 9,50,000. Within the limited area of about 18 acres 210 animals of 42 varieties, 715 birds of 95 varieties, 259 reptiles of 14 varieties were displayed for the visitors in 52 cages.

Open Air Theatre.

The Open Air Theatre was hired out to the public on reasonable rent on 153 occasion for dramas, social gatherings etc. The theatre is becoming popular day by day.

During the year under report 13 gardens were added to the existing 266 gardens. Two more traffic island gardens were added at Tardeo. One each fountain at Rajaguru Udyan, Kalachowky Probodhankar Thakare Udyan, Tardeo Traffic Island were added during the year under report. Besides, Rajda Nagar Playground at Borivali was further extended. Small plots one each at Pant Nagar, Ghatkopar, Plot in front of Building No. 96 Nehru Nagar, Kurla Plot No. 1, Tagore Nagar Vikhroli, strip of land at Sonar Bangla Shahid Park were developed. 4 Rockeries one each at Manav Mandir Road, Nepean Sea Road, Tardeo Road, N. S. Road below Charni Road Bridge were added.

The existing gardens and playgrounds in Western Suburbs were maintained properly, during the year under report. Similarly the gardens and playgrounds in the Eastern Suburbs from Kurla to Mulund were also maintained in good condition.

Fountains.

57 Nos. of fountains were run throughout the Greater Bombay. The fountain with multi-coloured lights provided at Madhu Park, Nanda Deep, Kasturba Chowk, Horniman Circle, Acharya Udyan, Dr. Ambedkar Udyan, Netaji Subhash Chandra Bose Udyan, a row of fountains in Acharya Udyan, Chembur are other main attractions.

During the year under report a massive treeplantation Programme was undertaken on large scale to combat the evil effects of air pollution faced in major parts of the city and we planted 5860 trees in City, 4332 trees in Western Suburbs and 3280 trees in Eastern Suburbs.

(a) Maintenance of Gardens and Playgrounds.

Description	City	Western Suburbs	Eastern Suburbs.	Total
(1) Gardens	134	80	52	266
(2) Playgrounds	78	30	15	123
(3) Gardens attached to Municipal Bldgs...	16	4	3	23
(4) Fountains	30	12	15	57
(5) Band Stands	6	3	3	12
(6) Box Hedges	1	1	..	2
(7) Statues	10	1	..	11
(8) Traffic Islands	34	5	1	40
(9) Nurseries	6	6	4	16
(10) Sale Counters	1	2	2	5
(b) Planting of Trees :	5860	4332	3280	13472

(c) Training

The training programme started in the year 1978 has been carried out with more vigour and about 400 malis were benefited by this programme.

(J. C. GARKHEL),
Supdt. of Gardens.

MUNICIPAL FREE READING ROOMS & LIBRARIES

There were 30 Municipal Free Reading Rooms and Libraries (including one Circulating Library). Out of these, 25 libraries (19 in City, 3 in Suburbs and 3 in Extended Suburbs) were managed by the Mumbai Marathi Grantha Sangrahalaya upto the period ending 31-10-80 as per the agreement executed on 11-8-71 in accordance with the C. R. No. 2256 of 18-3-1971, and for a further period from 1-11-1980 onwards as per C. R. No. 1822 of 17-3-1981. The remaining five libraries (four in the City and 1 in Suburbs) were managed by the Municipal Corporation of Greater Bombay.

The details of books purchased, number of visitors, income and expenditure etc.

Particulars	Division I		Division II		Division III	
	1979-80	1980-81	1979-80	1980-81	1979-80	1980-81
Books Purchased	411	320	271	289	..	..
Cost of the Books	Rs. 4,555	4,675	3,975	4,064	..	..
Number of visitors	51,575	56,462	15,424	23,925	..	..
Income	Rs. 12,973	9,420	2,526	1,897	2,160	1,440
Expenditure excluding grant paid to the M. M. Grantha Sangrahalaya	Rs. 95,935	1,33,141	33,960	38,590	..	..
Grant paid to the M. M. Grantha Sangrahalaya	Rs. 1,62,000	1,39,000	27,000	18,000	27,000	18,000

Repairs to the Sobani Municipal Free Reading Room & Library were carried out from security point of view, from 17-7-1979 to 19-2-1980 and during the period library was closed to the public. It was re-opened on 20-2-1980.

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 & Village Life, Armoury, Cottage-Industries, Ethnology, Fine-Arts, Fossils, Indian Coins, Minerals, Miscellaneous Collection, Old-Bombay Collection, Pre-History & Geology and Religion & Mythology. A Coin-Cabinet contains Ancient Indian Coins. The Reference Library of the Museum contains books on Art, Archaeology, Old Bombay, History etc. Eighteen Volumes containing specimens of Indian Textile are also made available for reference/perusal on request.

Against the grant of Rs. 14,920/- sanctioned by the Central Government, two Fire Resistant Cabinets with four drawers each were purchased and show-cases were provided to the exhibits of Tower of Silence and a Terracotta Panel.

The President of India sanctioned the grant of Rs. 9,000/- for publication of (i) 13th Edition of the "Brief Guide to Dr. Bhau Daji Lad Museum and (ii) Picture Post Cards. The first instalment of Rs. 2,250/- (i. e. 25% of the grant) was received.

A model of Gober Gas Plant costing Rs. 960/- was obtained from the Khadi and Village Industries Commission, Bombay free of charge. It has been displayed in the Museum. Photographs of two ex-Municipal Commissioners were obtained from Shri G. N. Doodckar in exchange of two copies of the photograph of Parel Railway Station.

In the galleries, the exhibition under the title— "Bombay-A Photorama (from 1661 to 1931)" prepared by the Public Relations Officer in collaboration with several institutions including the Museum was set up. It was inaugurated by Shri Baburao Shete, Mayor of Bombay on 12th March 1981. A book on the same subject edited by Public Relations Officer was also declared as published by the Chief Guest Shri V. G. Dharap, Chairman, Standing Committee on the same day.

Dr. Shantilal Chaganlal Upadhyaya, Ex-Curator of the Museum expired on 8-12-1980 at Ahmedabad.

The exhibit on the Development of Dharavi Estate displayed in Show-Case No. 20 was dismantled as it was out of date and soiled.

The Museum collected Rs. 1,898/- as a Box Collection for the Mayor's Fund on the occasion of Silver Jubilee Celebration of the Mayor's Fund Committee.

The details as regards the number of visitors, sale proceeds of Admission Tickets, Total Expenditure etc.

Particulars.	1979-80	1980-81
Total number of days when the Museum was kept open ...	304	301
Total number of visitors ...	9,31,351	8,79,028
Sale proceeds of Museum's Admission Tickets Rs. ...	50,841.00	54,960.00
Sale proceeds of Museum Guides and Minor Receipts Rs. ...	1,010.11	1,002.75
Fees for taking photographs of the exhibits Rs. ...	318.00	194.00
Sale proceeds of Scrap/waste papers etc. Rs. ...	...	..
Receipt of grant from the Central Govt. Rs. ...	14,920.00	2,250.00
Total Expenditure (excluding the amount spent from the Central Government Grant.) Rs. ...	1,17,872.00	1,48,397.00

V. N. BARVE,
Curator,
Dr. Bhau Daji Lad Museum.

MUNICIPAL SWIMMING POOL

All the three Municipal Swimming Pools in Greater Bombay viz. Mahatma Gandhi Memorial Olympic, Swimming Pool at Dadar Ghatkopar Swimming Pool at Ghatkopar & S. V. P. Swimming Pool at Kandivali 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 students were adequately utilised by school.

28th Anniversary of the M. G. M. O. Swimming Pool was observed on 27-4-80 by holding swimming competition amongst the members of all three Municipal Swimming Pools.

Age group National swimming competition was held at Trivendrum from 27th to 31st August 1980. Three M. G. M. O. Swimming Pool members participated in the Age group National competitions. Five members participated in National Aquatic Championships held at Lucknow from 8th October 1980 to 12th October 1980.

M. G. M. O. Water Polo League Tournament was held at M. G. M. O. S. Pool in July 1980.

An All India Sea Swimming Race of 35.2 Km. distance which is known as Palk Strait Swim from Tallimannar in Shri Lanka to Dhanushkodi in Tamil Nadu, was held on 31-3-81. Two members of the M. G. M. O. S. Pool participated and successfully completed the course and they were the only ones to do so among 4 other competitors who gave up, and established new record.

Financial

Swimming Pool	Income	Expenditure
	Rs.	Rs.
(1) M. G. M. O. Swimming Pool	4,09,924	3,61,122
(2) S. V. P. Swimming Pool	2,35,057	2,20,351
(3) Ghatkopar Swimming Pool	2,13,646	2,07,256

Swimmers.

Swimming Pool	New Admissions.	Casual Swimmers.	School children	No. of Institutions.	Private Reservations.
(1) M. G. M. O. Swimming Pool	6084	62400	4969	17	467 With Revenue of Rs. 10,100/-
(2) S. V. P. Swimming Pool	3131	62600	2028	9	134 With Revenue of Rs. 17,400/-
(3) Ghatkopar Swimming Pool	3118	36927	1324	4	79 With Revenue of Rs. 1980/-

S. N. PINGB,
Manager,
 M. G. M. O. Swimming Pool.

Raja Dr. Baldevdas Birla Kreedra Kendra

Raja Dr. Baldevdas Birla Kreedra Kendra has a multipurpose auditorium, fully air conditioned and equipped with normal electrical accessories viz. flood lights, spot lights, solar lights, full set of loud speakers with six mikes etc. required for staging drama or musical concerts. The auditorium has a seating capacity of 625 push-back type chairs. The auditorium is rented to various organisations and individuals for staging dramas, musical entertainment, social functions, meetings etc.

Children Hall and Boat House are also rented for drama rehearsals, meetings, rangavali exhibitions.

Municipal departments arranged their programmes at Birla Kreedra Kendra. These included:—

- (a) Inter-ward and Inter-Departmental Dramatic competitions organised by Labour Department
- (b) Sports and Guide meetings of Education Department.
- (c) Exhibition of articles made at Balbhavan Centres.
- (d) Prize distribution functions of Education Department and Health Department.
- (e) Gatherings and other functions of Municipal Medical Colleges and hospitals.

Birla Kreedra Kendra has a First Grade Restaurant on its premises. It is open to the audience as well as to the public. Terrace Garden is visited by the public for sight seeing. The garden is also rented for marriage receptions, lunches and dinners.

During the year under report, the Auditorium, Boat House, Children Hall, Garden were booked as under:—

1. Auditorium	695 Sessions.
2. Boat House	592 Sessions.
3. Children Hall	616 Sessions.
4. Garden	306 Sessions.

Professional drama producers and Orchestra Producers are taking advantage of auditorium, Children Hall and Boat House for staging dramas, orchestras and for rehearsals.

The expenditure was restricted to the budgetary provisions whereas the programmes conducted and the income were more than anticipated figure in the performance budget.

An amount of Rs. 3,01,600.35 was collected by way of revenue and an amount of Rs. 2,83,148.67 was expended on salary of staff and other items of maintenance.

J. S. SATAM

Manager,

Raja Baldevdas Birla Kreedra Kendra.