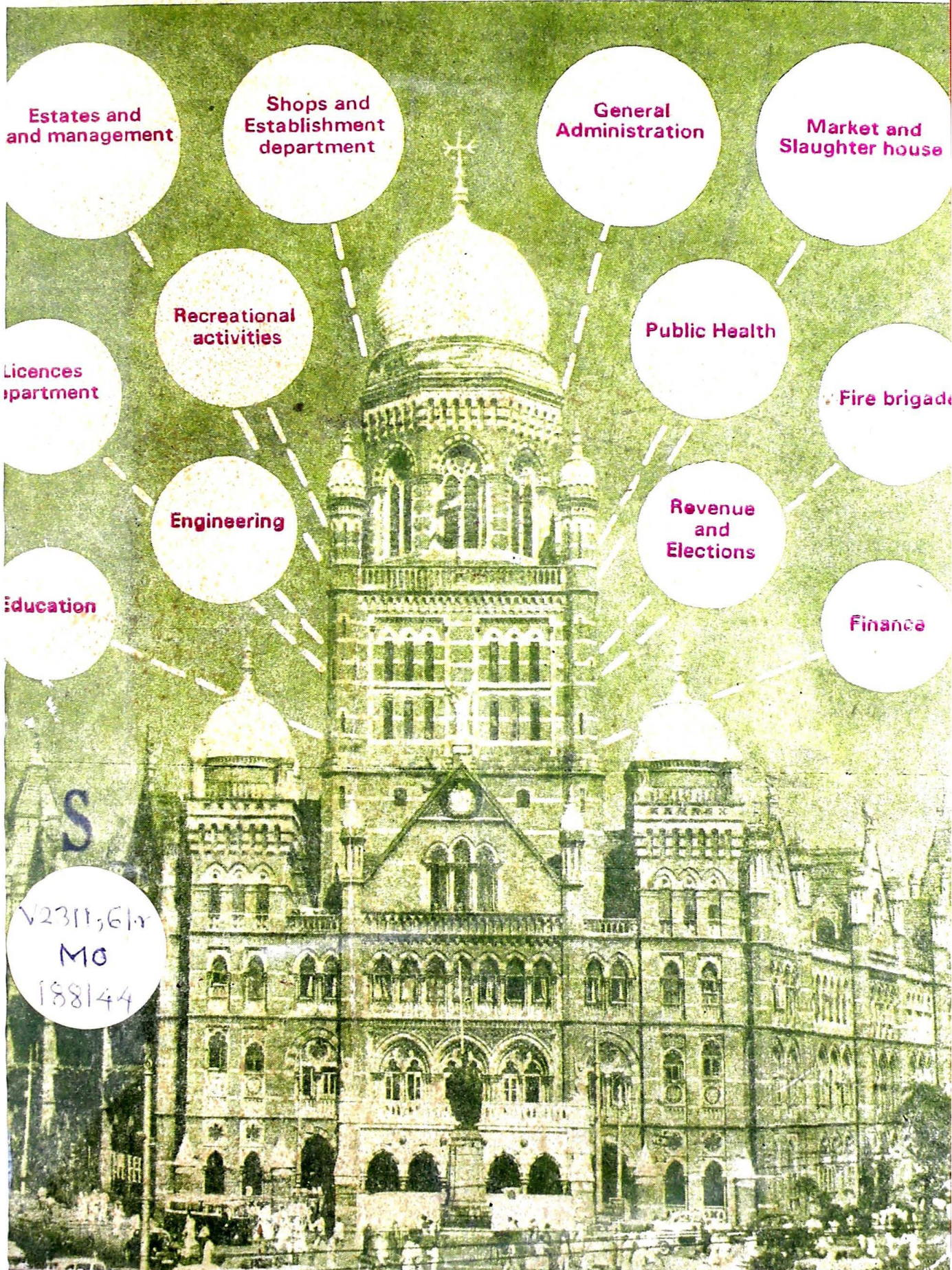




# Administration Report of the Municipal Commissioner for Greater Bombay 1979-80

245

City, Suburbs and Extended Suburbs



Estates and management

Shops and Establishment department

General Administration

Market and Slaughter house

Licences department

Recreational activities

Public Health

Fire brigade

Education

Engineering

Revenue and Elections

Finance

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# **Administration Report of the Municipal Commissioner for Greater Bombay 1979-80**

**City, Suburbs and Extended Suburbs**

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**ADMINISTRATION REPORT OF  
MUNICIPAL CORPORATION OF GREATER BOMBAY  
FOR THE YEAR 1979-80.**

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I here by present the administration report for 1979-80 as required under the provisions of Section 124 of the Bombay Municipal Corporation Act. The year under review saw us face the challenge of improving the civic life in this great metropolis against the background of rising costs of services and the severe strains caused by ever increasing growth in population. With limited resources at our command, attainment of objective of maintaining the desired level of service became all the more challenging. We tried to meet the situation by continuing our reliance on various management techniques for optimising returns from our limited resources. The performance budget was extended to cover more departments in an attempt to strengthen financial control by suitably matching physical outputs to financial inputs.

We have to tackle the city's myriad problems and bring about urban renewal for improving the quality of life. Through the application of the principles of planning and systems approach we are trying to accomplish this big task.

**B. K. CHOUGULE,  
Municipal Commissioner  
for Greater Bombay.**



# GENERAL

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

### CORPORATION :

Shri R. K. Chimbalkar who was re-elected Mayor at the First Meeting of the Corporation held on 2nd April 1979, held that office throughout the year.

One hundred and fifty-one Meetings of the Corporation including ten Special Meetings and adjourned Special Meetings and one hundred and fifteen Meetings of the Special Committees and nine meetings of the Consultative Committees were held during the year.

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

### STANDING COMMITTEE :

Shri B. H. Shete who was re-appointed Chairman of the Standing Committee at their Meeting held on 4th April 1979 held that office throughout the year.

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

One hundred and sixty-five meetings including one hundred fifty-seven Regular and Adjourned Meetings and eight 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 P. D. Niklankar who was re-appointed Chairman of the Improvements Committee at their Meeting held on 11th April 1979, held that office throughout the year.

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

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

### EDUCATION COMMITTEE :

Shri N. M. Shah who was re-appointed Chairman of the Education Committee at their Meeting held on 4th September 1979, held that office throughout the year.

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

Forty-four Meetings including forty Regular Meetings and Adjourned Meetings and four Special Meetings and Adjourned Special Meetings were held during the year. No Meeting of the Sub-Committee was held during the year.

### TREE AUTHORITY :

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

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

Shri V. R. Konkar, M. A., LL. B., continued to hold the office of the Municipal Secretary till 30th November 1979 except during the leave period of 107 days from the 1st April 1979 to 30th April 1979 and again from 3rd September 1979 to 18th November 1979. Shri Konkar retired on 1st December 1979 due to superannuation. Shri K. N. Kolhatkar, B. A. (Hons.) was appointed as Ag. Municipal Secretary during the leave period of Shri Konkar from 1st April 1979 to 30th April 1979 and again from 2nd October 1979 to 18th November 1979. Shri C. P. Shah, B. A., was also appointed Ag. Municipal Secretary during the leave period of Shri Konkar from 3rd September 1979 to 1st October 1979, without prejudice to the seniority of Shri Kolhatkar who was then on leave. Shri Kolhatkar was also appointed Municipal Secretary from 1st December 1979 and held that office during the remaining period of the year except during the period from 14th February 1980 to 23rd February 1980 when he was on leave.

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

There was no separate Award or Adjudication during the year 1979-80 so far as this department is concerned.

LIST OF MEMBERS WHO HELD OFFICE AS ON 31ST MARCH 1980  
CORPORATION

SHRI R.K. CHIMBULKAR, *Mayor.*  
SHRI B.H. SHETE, *Chairman, Standing Committee.*  
SHRI P.D. NIKLANKAR, *Chairman, Improvements Committee.*  
SHRI N.M. SHAH, B.A., LL.M., *Chairman, Education Committee.*  
SHRI K.P. CHHABRIYA, *Chairman, B. E.S. & T. Committee.*

AMIN, SHRI B.H.	PARIHAR, SMT. PARVATI L.
ACHARYA, SHRI S.N.	PAWAR, SHRI N.B., B.A., LL.B., ADVCCATE, HIGH COURT.
ANKLESWARIA, SHRI R.C., B.SC., B.T., S.T.C., M.Ed.	PARVATKAR, SHRI V.M.
AMBRE, SHRI S.S.	PATIL, SHRI A.W.
OOMMACHEN, SHRI C.D.	PATIL, SHRI J.M.
KADAM, SHRI P.R.	PATIL, SHRI B.H.
KADAM, SHRI R.T.	PATIL, SMT. MANORAMA D.
KAVTHE, SHRI M.N.	PAREKH, SHRI P.R.
KAZI, PROF. A.A.	PAREKH, SHRI M.C.
KANDALGAONKAR, SHRI M.K.	PASHTE, SHRI A.P., B.A., LL.B.
QURESHI, SHRI G.G.	PASI, SHRI N.M.
KULKARNI, SMT. SHALINI P.	PUJARI, SHRI N.L.
KOPARDE, SHRI E.R.	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.	PHALNIKAR, SMT. NEELA V.
KHAN, SHRI F.A.	BACCHAV, SMT. PRAMILA S.
KHAN, DR. H.R.	BARIA, SHRI N.K.
KHANDWANI, SHRI M.A.	BEDI, SHRI M.H.
GAJMAL, SHRI G.D.	BOMAN-BEHRAM, SHRI B.K., M.A., LL.B.
GUKWAD, SHRI V.B.	BHAVE, SHRI M.G.
GAWDE, SHRI B.R.	BHUJBAL, SHRI C.C., L.M.E.
GOYAL, SMT. CH NDRAKANTA V.	MERCHANT, SHRI Y.M.
GAMBHIR, SHRI S.A.	MADHUKUNTA, SHRI D.K.
GANDHI, SHRI V.R.	MAYEKAR, SHRI R.S.
CHATURVEDI, SHRI M.M.	MAHAJAN, DR. (SMT.) BAKHTAVER S.
CHAVAN, SHRI M.G.	MAHADIK, SHRI V.S., B.A. (HONS.), L.S.G.D.
CHAVAN, SHRI R.N.	MAHALKARI, SHRI G.G.
CHAVAN, SHRI S.S.	MANE, SHRI A.G.
CHAVAN, SHRI S.B.	MANJREKAR, SHRI V.S.
CH'PHEKAR, SHRI A.M.	MUZUMDAR, DR. S.R.
CHARNIYA, SHRI J.V.	MULKAWAD, SHRI L.F.
CHOPRA, SHRI B.M.	MENON, SHRI C.B.
CHADDA, SHRI V.M.	MEMON, DR. A. U.
JADHAV, SHRI B.K.	MEHTA, SHRI C.S.
JADHAV, SHRI L.M.	MEHTA, SHRI RUSI M.
JANI, SHRI D.D.	MHATRE, SHRI P.A.
JEELANI, SHRI K.G.	YADAV, SHRI B.M.
ZARAPKAR, SHRI D.G.	RANE, SMT. SUGANDHA M.
ZUTE, SHRI B.D.	RAO, SHRI SHARAD.
THAKRE, SHRI G.S., B.COM.	LAUD, SHRI R.P.
THANEKAR, SHRI K.B.	WAGLE, SMT. PUSHPALATA M.
D'CRUZ, SHRI C.R.	WAGHEL, SHRI R.Z.
D'MELLO, SHRI V.C.	VANU, SHRI NIYAZ A.L.
TANNA, SHRI J.M.	WELKAR, SMT. ASHA S.
TARIQ, SHRI S.A.	VAIDYA, SHRI P.V.
DALAL, SHRI B.C.	SHARMA, SHRI P.S.
DALVI, SHRI V.S.	SHAH, SHRI R.S.
DABHOLKAR, SHRI A.K.	SHAH, SHRI H.G.
DUTIA, SHRI G.B.	SHIRKE, SHRI G.G.
DUBE, SHRI O.M.	SHETTY, SHRI K.D.
DUBE, SHRI R.M.	SHETTY, SHRI S.B.
DESI, SMT. ALKA A., S.T.C., T.D.	SHETTY, SHRI S.C.
DHARAP, SHRI V.G.	SHETYE, 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.
NARVEKAR, SHRI S.M.	SAMANT, DR. (SMT.) VINITA D.
NEVREKAR, SHRI K.R.	SOOFI, SHRI A.R.
PATEL, SMT. INDUMATI T., B.A.	SING, SHRI R.R.
PATEL, SHRI MOHAMMED HUSAIN S.	SEHGAL, SHRI P.H.
PATEL, SHRI S.S.	SAYYAD, SHRI M.H.
PATHAN, SHRI M.M.	SONAWANE, DR. (SMT.) SHALINI M., M.B., B.S.
PADWAL, SHRI C.S.	SOLANKI, SHRI T.G.
PADWAL, SHRI R.V.	SANGHAVI, SHRI R.J.
PADWAL, SHRI H.P.	SHRI S. RAMCHANDRAN.
PARMAR, SHRI N.D.	

LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31ST MARCH 1980

SHRI B.H. SHETE, (*Chairman*).

KOPARDE, SHRI E.R.	PASHTE, SHRI A.P.
KHADYE, SHRI V.P.	PAI, DR. P. S.
DABHOLKAR, SHRI A.K.	BHUJBAL, SHRI C.C.
DUBE, SHRI R.M.	MUZUMDAR, DR. S.R.
DESI, SMT. ALKA A.	SHARMA, SHRI P.S.
DHARAP, SHRI V.G.	SHAH, SHRI N.M. ( <i>ex-officio</i> )
NEVREKAR, SHRI K.R.	SHELAR, SHRI B.S.
PADWAL, SHRI C.S.	SOLANKI, SHRI T.G.



**LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE  
AS ON 31ST MARCH 1980**

**SHRI P.D. NIKLANKAR (Chairman)**

ANKLESWARIA, SHRI R.C.  
AMBRE, SHRI S.S.  
KADAM, SHRI P.R.  
KHANDWANI, SHRI M.A.  
THANEKAR, SHRI K.B.  
TANNA, SHRI J.M.  
DUTIA, SHRI G.B.  
PATEL, SMT. INDUMATI T.

FALNIKAR, SMT. NEELA V.  
BARIA, SHRI N.K.  
MAYEKAR, SHRI R.S.  
MANJREKAR, SHRI V.S.  
MENON, SHRI C.B.  
SEHGAL, SHRI P.H.  
SONAWANE, DR. (SMT.) SHALINI M.

**LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE  
AS ON 31ST MARCH 1980.**

**SHRI N.M. SHAH, (Chairman).**

KAZI, PROF. A.A.  
KUNTE, SHRI P.K.\*  
GAWDE, SHRI B.R.  
CHAVAN, SHRI R.N.  
CHAVAN, SHRI S.B.  
CHOPRA, SHRI B.M.  
JEELANI, SHRI K.G.  
JOSHI, SHRI RAMESH G.\*

DESAI, SHRI RAMAKANT D.\*  
PAWAR, SHRI NAGESH B.  
PAREKH, SHRI M.C.  
BORICHA, SHRI P.H.\*  
MHATRE, SHRI P.A.  
TARIQ, SHRI SHAMIM AHMAD.  
SAMANT, DR. (SMT.) VINITA D.

**LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE AS ON  
31ST MARCH 1980**

**SHRI R.K. CHIMBULKAR (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.  
CHAVAN, SHRI R.N.  
DALAL, SHRI B.C.  
DESAI, SMT. ALKA A.

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.

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

## MUNICIPAL COMMISSIONER'S OFFICE

The Designations 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:—

Serial No.	Designation	Name of the Officer and Qualifications	Period		Remarks
			From	To	
1	Municipal Commissioner.	Shri B. K. Chougule B.A. (Hons.) LL.B., I.A.S.	1-4-79	31-3-80	Appointed as Municipal Commissioner for Greater Bombay for a period of 3 years from 8-5-78 (afternoon).
		Shri V. D. Desai B.E. (Civil), M.E. (P. H. Calcutta) with Ist Class A.M.I.E. (India)	3-9-79	2-10-79	Appointed as Municipal Commissioner from 3-9-79 to 2-10-79 i.e. during the leave period of Shri B. K. Chougule.
2	Dy. Municipal Commissioner (Special Engineering).	Shri V. D. Desai B.E. (Civil) M.E. (P. H. Calcutta) with Ist Class A.M.I.E. (India)	1-4-79	2-9-79	...
			3-10-79	31-3-80	
3	Dy. Municipal Commissioner (Personnel).	Shri V. D. Vaidya B.A. (Spl.) M. Com.	1-4-79	31-3-80	...
4	Dy. Municipal Commissioner (Engineering).	Shri J. R. Patwardhan B.E. (Civil), M.E. (P. H.), A.M.I.E.	1-4-79	31-3-80	...
5	Dy. Municipal Commissioner (Z-I)	Shri P.P. Kamdar B.A., (Spl.) B. COM., LL.B.	1-4-79	31-3-80	...
6	Dy. Municipal Commissioner (Z-II)	Shri K. J. Gidwani B.E. (Civil).	1-4-79	30-6-79	Retired from Municipal Service from 1-7-1979 (Before Noon).
7	Dy. Municipal Commissioner Zone—II.	Smt. Kumud Bansal M.A., I.A.S.	16-8-79	31-3-80	On deputation to the Corporation for a period of 3 years and appointed as Dy. Municipal Commissioner (Z.II) from 16-8-79.  Deputed to attend Seminar on Public Administration Officer's Women's Problem Organised by the Government of Japan (under Colombo Plan) from 4-10-79 to 11-11-1979.
8	Dy. Municipal Commissioner (Z-III).	Shri V. C. Parikh B. Com., I.C.A. Indian Institute of Banking (India).	1-4-79	31-10-79	Retired from Municipal Service from 1-11-79 (Before Noon).
9	Dy. Municipal Commissioner (Z-IV).	Shri S. V. Gambhir A.M.I.E.	10-7-79	31-3-80	Appointed as Dy. Municipal Commissioner from 10-7-79.
10	Dy. Municipal Commissioner (Z-V).	Shri G. A. Prabhuchimulka B.E. (Civil), IIInd Class A.M.I.E.	1-4-79	31-3-80	...



## Other Heads of Departments.

Serial No.	Designation	Name of the 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.	1-4-79	31-3-80	...
2	Personal Assistant to the Municipal Commissioner.	Shri A. K. A. H. Shaikh B.A. (Hons.), Pravin.	1-4-79	30-6-79	(1) Earned Leave preparatory to retirement from 21-6-79 to 30-6-1979.  (2) Retired from Municipal Service from 1-7-1979. (Before Noon)
		Shri D. D. Alekar B.sc. (Hons.), L.S.G.D.	21-6-79	11-7-79 12-7-79	(1) Looking after the duties of P. A. To M. C. on charge allowance basis from 21-6-79 to 11-7-1979.  (2) Appointed as P. A. to M. C. from 12-7-79.
		Shri V. K. Marathe M.A.	20-11-79	18-12-79 11-2-80	9-3-80 Looking after the duties of P.A. to M. C. on charge allowance basis during which period Shri D. D. Alekar was on leave.
3	Organization & Methods Officer.	Shri M. P. Patil, M.A., L.S.G.D. Pravin.	1-4-79	31-3-80	...
4	Committee Officer.	Shri S. G. Chandorkar Matric, L.S.G.D., L.G.S. Hindi Uchha Padvi.	1-4-79	31-3-80	...
5	Municipal Medical Examiner. (Full-Time).	Dr. M. L. Joshi M.B.B.s., M.D., D.C.H.	1-4-79	31-3-80	
		Dr. K. N. Korgaonkar M.B.B.s.	22-12-79	31-12-79	Appointed to look after the work of M. M. E. on payment of Hon. of Rs. 250 p. m. during which period Dr. M. L. Joshi was on leave.
6	Lady Municipal Medical Examiner. (Part-Time). I/C	Dr. (Smt.) S. P. Shroff M.B. B.s.	1-4-79	14-10-79	On leave from 15-10-1979.
7	Do.	Dr. M. L. Joshi, M.B.B.s., M.D., D.C.H.	15-10-79	31-3-80	Dr. M. L. Joshi was asked to look after the work of Dr. (Smt.) S. P. Shroff as L.M.M.E. I:C (P. T.)
7	Executive Engineer (Vigilance).	Shri S. K. Dharap B.E. (Civil).	1-4-79	31-3-80	...
8	Administrative Officer (Personnel)	Shri G. N. Jambhekar Matric L.S.G.D.	1-8-79	31-3-80	Appointed in the newly created temporary post from 1-8-1979.

### Municipal Chief Auditor

The post of Municipal Chief Auditor was held by Shri R. G. Godbole, B.Com., F.C.A., (India) F.C.M.A., F.C.I.S., A.M.B.I.M. throughout the year except 30 days E. L. from 22-1-80 to 20-2-1980.

Shri B. R. Panthaki M.A., B. Com. (I.M.C.) Hindi (M.H.B.) Sr. Dy. Municipal Chief Auditor was appointed as Municipal Chief Auditor i/c from 22-1-1980 to 20-2-1980.

### Other Heads of Department.

Serial No.	Designation	Name of the Officer and Qualifications	Period		Remarks
			From	To	
1	City Engineer.	Shri Sharad Mangesh Parulkar B.E. (Civil), A.M. I.E.	...	...	Throughout the year.
2	Chief Accountant	Shri M. V. Kanekar B. COM, F.C.A.	1-4-79—22-10-79 14-2-80—31-3-80		...
		Shri S. V. Dogare B.A. (Hons.)	23-10-79—30-11-79 1-12-79—13-2-80		C. A. I/c. Vacant.
2A	Jt. Chief Accountant.	Shri M. N. Kulkarni B. sc. 1st class with distinction B.A. (Hons) 1st class Hindi Exam. of Munl. Hindi Board.	1-4-79—30-4-79		Jt. C. A. I/c.
		Shri R. B. Desai, B. COM 2nd class, B.A., L. S. G. D., Hindi Pravin.	1-5-79—31-3-80		Jt. C. A. I/c.
3	Hydraulic Engineer.	Shri K. D. Malekar, B.E. (Civil) M.E. (P.H.).	...	...	Throughout the year.
4	Ex. Health Officer.	Dr. M. K. Vaidya, M.B.B.S., D.P.H.	1-4-79—31-10-79		{ Retired from Municipal Service from 1-11-1979
		Dr. M. N. Gurnani, M.B. B.S. D.P.H.	1-11-79—31-3-80		{ Allowed to look after the work of B. H. O.
5	Dean K. E. M. Hosp. & Seth G. S. Medical College.	Dr. C. K. Deshpande, M.D. (Path) F.R.C. (Path).	...	...	Throughout the year.
6	Dean, B. Y. L. Nair Hosp. & T. N. M. College.	Dr. M. S. Kekre, M.B.B.S. M. Sc. (Med.)	...	...	Throughout the year.
7	Dean, L. T. M. G. Hospital & L. T. M. M. College.	Dr. V. N. Panse, M.D.M.P. H. (Columbia). Dr. (Mrs.) H. P. Rebellow M.B.B.S.D.C.H. Dr. J. V. Bhatt M.D.	1-4-79 31-7-79 1-8-79 8-8-79 9-8-79 ( 31-3-80		Retired from Municipal Service from 1-8-79.
8	Dean, Nair Hosp. Dental College.	Dr. M. S. Kekre, M.B.B.S., M. sc. (Medical).	...	...	Throughout the year.
9	Chief Fire Officer.	Shri L. S. D. Mehervanjee, Senior Cambridge.	...	...	Throughout the year
10	Medical Superintendent (G.T.B. Hospt.).	Dr. A. P. Rao, M.D., T.P.D., F.C.C.P. (U.S.A.). Dr. Smt. U. G. Adwani, M.D.T.D.D.	1-4-79 1-5-79 1-6-79 31-3-80 2-5-79 31-5-79		...
11	Assessor and Collector.	Shri R. G. Rele, B.S.C. Shri S. S. Murkute, B. COM. LL.B, L.S.G.D.	1-4-79 31-12-79 1-1-80 31-3-80		Retired from Municipal Service 31-12-79. (After Office hours.)



Serial No.	Designation	Name of the Officer and Qualifications	Period		Remarks
			From	To	
12	Education Officer	Smt. K. N. Kamat, M.A., M. Ed.	...	...	Throughout the year.
13	Law Officer.	Shri S. N. Phadke, B.A.L.L.B.	...	...	Do.
14	Chief Engineer (Water Supply Project.)	Shri T. M. Kandavala, B.E. (Civil), F.I.E. (India)	...	...	Do.
14A	Chief Engineer (Sewerage Project.)	Shri G. F. Khambati, B.E. (Civil), A.M.I.E., M.E.P.H.	...	...	Do.
14B	Chief Engineer (Common Service)	Shri B. R. Gole, B.E. (Civil) (Hons.), M.I.E. (India), M.I.W.W.A., M.A.W.W.A., M.I.A.W.P.C. Fellow, D.I. (Washington).	...	...	Do.
15	Controller of Stores.	Shri C. H. Khulchandani B.E. (Civil), M.I.E.	...	...	Do.
16	Supdt. of Markets and Slaughter Houses	Vacant..	...	...	Do.
16A	General Manager (Deonar Abattoir.)	Dr. D. M. Bailur, B.sc. (Vet) M.R.C.V.S. (London).	...	...	Do.
16B	Ward Officer (Markets).	Shri H. M. Chachad A.M.I.E. D.C.E. Shri A. Y. Kulkarni, B.E. (Civil.)	1-4-79 18-1-80	17-1-80 31-3-80	
17	Administrative Officer (Enq.).	Shri K. R. Dixit, B.A. L.G.S. Shri C. S. Karve, B.A. LL.B. Shri K. R. Dixit, B.A. L.G.S.	1-4-79 27-12-79 26-1-80	26-12-79 25-1-80 31-3-80	Administrative Officer Enquiry Incharge.
18	Security Officer.	Shri G. H. Salunke, B.A. (Spl.) Shri V. T. Davare, B.A. (Hons.)	1-4-79 27-9-79 7-8-79 1-2-80	6-8-79 31-1-80 26-9-79 31-3-80	
19	Ward Officer (Estates).	Shri N. N. Lalit, B.A. (Hons.)	...	...	Throughout the year.
20	Labour Officer	Shri G. S. Saudagar, B.A. (Hons.), LL.B., D.L.W. Shri G. S. Shringarpure, B.A. (Hon.) B. COM. & LL.B. L.S.G.D.	1-4-79 1-7-79 1-6-79	31-5-79 31-3-80 30-6-79	L.O. i/c.
21	Public Relations Officer and Editor Bombay Civic Journal.	Shri K. T. Pandit M.A.	...	...	Throughout the year.
22	Dy. Accessor & Collector (Octroi).	Shri P. B. Mhaskar, B.A. Hon., L.S.G.D. Shri G. P. Parulkar, B.S.C., M.A., L.S.G.D.	1-4-79 1-1-80	31-12-79 31-3-80	...
23	Supdt. of Licences i/c.	Shri D. N. More, B.A. LL.B., L.G.S., L.S.G.D., Rashtra Bhashapraavin.	...	...	Throughout the year.
24	Supdt. of Gardens.	Shri J. C. Garkhel, B.Sc. (Hons.), (Agri.)	...	...	Do.
25	Research Officer	Smt. S. V. Desai M.A., M.Ed.	...	...	Do.
26	Manager Municipal Printing Press.	Shri A. G. Hemadi, Shri M. W. Bagil Diploma in P. T. G. Shri B. M. Gharpure, B.A. Hons. Shri D. R. Talkar, B.A.	1-4-79 1-6-79 18-1-80 18-5-79 26-10-79	31-5-79 17-6-79 31-3-80 25-10-79 17-1-80	...
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. Bhai Daji Laud Museum & Chief Librarian.	Shri V. N. Barve, B.A., (Hons), L.S.G.D., Hindi Pravin.	...	...	Do.
29	Manager, Mahatma Gandhi Memorial Olympic Swimming Pool.	Shri S. N. Pinge.	...	...	Do.
30	Manager, Raja Baladevdar Birla Kreedra.	Shri V. V. Kulkarni B.A., L.S.G.D.	...	...	Do.

Serial No.	Designation	Name of the Officer and Qualifications	Period		Remarks
			From	To	
<b>Suburbs and Extended Suburbs.</b>					
1	Dy. Ex. Health Officer, (Subs.).	Dr. M. N. Gurani, M.B.B.S., D.P.H.	...	...	Throughout the year.
2	Dy. Accountant (Subs.).	Shri S. K. Bhadbhade, B.A.	1-4-79	31-7-79	
		Shri S. M. Chandekar, B. COM.	1-8-79	31-3-80	
3	Dy. Assessor & Collector, (Eastern Subs.).	Shri G. P. Parulkar, B.A., B.SC., L.S.G.D.	1-4-79	31-12-79	
		Shri M. M. Nijsure, B.A. LL.B.,	1-1-80	31-3-80	
4	Dy. Assessor and Collector, (Western Subs.).	Shri M. M. Nijsure, B.A., L.S.G.D.	...	...	Throughout the year.
5	Asstt. Supdt. of Markets (Eastern Subs.).	Shri M. V. Prabhu.	1-4-79 27-5-79	8-4-79 31-3-80	...
		Shri S. S. Gulgule.	9-4-79	26-5-79	
6	Asstt. Supdt. Markets (Western Subs.).	Shri P. A. Tawade.	1-4-79 30-6-79	17-6-79 31-3-80	
		Shri N. V. Prabhu.	18-6-79	29-6-79	

## Sr. Ward Officers/Ward Officers upto 31-3-1980.

Serial No.	Name	Designation	Remarks.
1	Shri S. M. Taraporewalla	... Sr. Ward Officer	
2	Shri A. D. Doctor	... Do.	
3	Shri R. D. Jaisinghani	... Do.	Retired from Munl. Service from 1-6-1979.
4	Shri N. G. Kabe	... Do.	
5	Shri S. V. Gambhir	... Do.	Appointed on Ag. D. M. C. from 10-7-1979.
6	Dr. K. K. Soman	... Do.	
7	Shri S. N. Phadke	... Do.	
8	Smt. K. S. Kadam	... Do.	
9	Shri C. V. Bhat	... Do.	As Sr. Ward Officer 1-5-79 to 31-12-79 Retired from Munl. Service from 1-1-1980.
10	Shri M. P. Nerkar	... Do.	As Sr. Ward Officer from 9-6-79 to 31-3-1980.
11	V. G. Godambe	... Do.	As Sr. Ward Officer from 10-7-1979 to 31-3-1980.
12	Shri R. R. Desai	... Do.	As Sr. Ward Officer from 20-8-79 to 31-3-1980.
13	Shri S. G. Gavankar	... Do.	As. Sr. Ward Officer from 20-8-79 to 31-3-1980.
14	Shri S. C. Malgaonkar	... Do.	As. Sr. Ward Officer from 28-9- 1979 to 31-3-1980.
15	Shri N. N. Lalit	... Sr. Ward Officer	As. Sr. W. O. for 28-9-1979 to 31-3-1980.
16	Shri R. R. Desai	... Ward Officer	Ward Officer from 1-4-1979 to 19-8-1979.
17	Shri S. K. Desai	... Do.	
18	Shri K. M. Joglekar	... Do.	
19	Shri M. B. Nirgudkar	... Do.	
20	Shri S. E. Chakankar	... Do.	Appointed as Ex. Engineer (City) from 13-3-1980.
21	Shri S. R. Dange	... Do.	1-3-79 to 15-7-79 Transferred as Ward Officer on Dean (N)'s Estt. from 16-7-1979.
22	Shri G. R. Khairnar	... Do.	
23	Shri S. G. Gavankar	... Do.	(Ward Officer from 1-3-79 to 19-8-1979).
24	Shri D. R. Talkar	... Do.	(Appointed as W. O. from 18-1-1980).
25	Shri M. P. Nerkar	... Do.	(Ward Officer 1-4-79 to 8-6-1979).
26	Shri V. G. Godambe	... Do.	(Ward Officer from 1-4-79 to 9-7-1979).
27	Shri S. B. Muthalia	... Do.	
28	Shri V. B. Kadam	... Ward Officer for Backward Class Cell)	
29	Shri R. D. Koli	... Ward Officer.	Appointed as Ward Officer from 18-1-1980.
30	Shri Y. A. Nadkar	... Do.	
31	Shri R. B. Shirkolkar	... Do.	
32	Shri C. V. Bhat	... Do.	Ward Officer from 1-4-79 to 30-4-1979).
33	Shri N. B. Salunke	... Do.	Appointed as W. O. from 18-1-1980.
34	Shri S. C. Malgaonkar	... Do.	(Ward Officer from 1-4-79 to 27-9-1979).
35	Shri C. K. Ghone	... Do.	Ward Officer from 18-1-80.
36	Shri A. A. Raisinghani	... Do.	W. O. (Slum City)
37	Shri V. Balchandran	... Do.	W. O. (Slum Eastern Sub.)
38	D. A. Pinto	... Ward Officer	Working as personal P. S. to M. C.
39	Shri H. L. Gangwani	... Do.	Working as P. S. to Mayor
40	Shri Guru Birju Prasad	... Ward Officer (Special Officer for Backward Class Cell)	Ward Officer form 18-1-80.

## WARD OFFICES

With a view to render efficient Civic Services to the Citizens numbering over 81 lakhs spread over an area of about 437 Sq. Kms., the administration of Municipal Offices has been decentralised by setting up Ward Offices, area wise which now number 21. Each Ward Office, is in charge of a Ward Officer or Sr. W. O. who has been delegated wide powers. The citizens can approach him in the respective Ward Offices for redressal of their grievances in the matter of Civic amenities etc.

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

(a) Maintenance of Municipal Properties, Roads and Drains Inspection of Private Building and Factories as also ensuring adequate water supply; (b) Collection of taxes, and rents 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 Maternity Home and other Public Health Services; (e) Pest Control; (f) Public sanitation and disposal of refuse; (g) Primary Education; (h) Maintaining sanitation and improvement of Slum Colonies; and (i) Preservation of Trees etc.

## Central Control Room

The Complaints Section dealt with 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 9,972 as against 10,938 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 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 by drawing graphs.
- (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 important Circulars issued by the M. C.'s Office 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 offices and this Unit is headed by O. & M. O. (M. C.).
- (13) The following training classes are also conducted :—
  - (1) In-service training classes.
  - (2) Marathi training classes for non-marathi employees.

The O. & M. O. serves at present as a member of the panel set up for recruitments upto clerical level."

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

## Public Relations Department And 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 1979-80.

The department effected publicity about the various activities and services rendered by different Municipal Departments, functioned as a liaison between the members of the public and the various civic departments and acted as a clearing house in respect of 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 1980 containing useful information on civic affairs was brought out in an attractive form in English, Marathi and Gujarati. Other publications included "Know Your Ward" and the list of "Municipal Officers and Councillors." Special publicity material, such as posters, folders, stickers, Cinema slides etc., on Total Immunization Campaign, Save Water, Cleaner Bombay, Plant More Trees, Integrated Bhatsai Scheme for the augmentation of Bombay's Water Supply etc. was prepared and distributed to institutions and individuals all over Greater Bombay.

### PRESS RELATIONS

A Press Room equipped with lockers, telephone, typewriter etc., has been provided for the use of the press reporters. During the year, 50 press conferences and 6 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.

The inaugural function of the Bhatsai Water Project stage I was held on 21st December 1979 at Pise Pumping Station, about 72 kilo meters away from Bombay. 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. A press visit to the project was also arranged earlier for advance publicity. Similar arrangements for giving due publicity were also made for the Civic Reception to the Indian and Pakistani Cricket Teams for which a function was held and organised at the Kamla Nehru Park by the Municipal Secretary's Office.

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 Services Day, Republic Day, Independence Day, Cleaner Bombay Campaign, Flag Day, Prohibition weeks and also various other Health Drives and exhibitions organised by various social welfare Organisations.

The work of collecting donations for the National Flag Day and the Mayor's Fund was carried out in the usual manner.



**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 1979-80.

Inauguration of Bhatsai water project stage I, International Year of the Child and civic measures to combat pollution problem in the city, were the three major issues which were given full coverage in the Journal during the year under review.

In December 1979, Shri Sadiq Ali, Governor of Maharashtra inaugurated the Bhatsai water project stage I which augmented Bombay's water supply by 30 million gallons of water per day progressively increasing upto 100 million gallons. The journal gave an exhaustive account about this unique project. United Nations declared 1979 as the International Year of the Child and the journal continued to highlight the various steps undertaken by the civic authorities for the children in Municipal schools. The cover pages for 1979 also continued to depict the activities of children in different spheres of life. In order to enlighten the readers on the hazards of pollution, feature articles by experts along with the various measures undertaken by the civic authorities to solve the problem in the city were published at regular intervals.

A new feature "Roads named and renamed" after 1947, has been introduced which may come in handy for reference purposes.

The feature viz "Historical Monuments of Bombay" was continued during the year under review which brought out interesting information about various important monuments in Bombay alongwith some rare photographs. The Diwali number of the journal also contained articles and features written by various writers on various topics of civic interest.

The journal continued to inform and enlighten the readers on the various projects, programmes and events which included Parliamentary elections, Clean Bombay Green Bombay, celebration of world Health Day, Teachers & Nurses Awards, World Environment Day, Civic reception to cricketers and other subjects of civic interest.

**K. T. PANDIT,**  
Public Relations Officer,  
and  
*Editor, Bombay Civic Journal.*

## BACKWARD CLASS CELL

A Backward Class Cell has been created under the control and supervision of Dy. 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) P. A. to M. C. (2) E. O. (3) A.C.A. (W. & S.) and (4) M. S. 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 10.

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 and (4) S. O. is under process.

Besides the department collects periodical and other information regarding recruitment and promotion of Backward Class 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, 147 cases involving the question of reservation were referred to the cell for advice, scrutiny etc.

87 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

## MUNICIPAL COMMISSIONER'S OFFICE.

## Recruitment to Clerical cadre.

## Reservation for Backward Classes Candidates from the year 1971 to March 1980.

Post.	Year	Total	Reservation as per Roster.				Candidates taken on the Central Register and allotted				Backlog.			
			SC	ST	DT/NT	OBC	SC	ST	DT/NT	OBC	SC	ST	DT/NT	OBC
Clerk (Advt. 1971).	1971-73	986	128	69	39	99	162	31	6	179	+34	38	33	+80
Clerk (Advt. 1973)	1973-75	1414	184	99	57	141	226	64	22	182	+42	35	35	+41
Clerks from apprentices.	1975-76	558	73	39	22	56	71	22	9	158	2	17	13	+102
	1976-77													
	1977-78													
	1978-79	150	20	10	6	15	20	4	3	32		6	3	+17
	1979-80	68	9	5	3	7	11	..	..	17	+2	5	3	10
Clerks from R. E. O	1974-75	35	5	3	1	3	..	12	23	..	5	+9	+22	3
	1977-79	101	12	7	4	10	..	50	51	..	12	+43	+47	10
Total :		3312	431	232	132	331	490	183	114	568	+59 excess	49	18	+237 excess

## APPENDIX-2

## MUNICIPAL COMMISSIONER'S OFFICE.

## Recruitment of C. C. T./Typist/Jr. Steno/English-cum-Marathi Typist as on 1-1-80.

Category	No of posts	Reservation as per Roster.				Actual position.				Backlog.				Remarks.
		SC	ST	DT/NT	OBC	SC	ST	DT/NT	OBC	SC	ST	DT/NT	OBC	
C. C. T./1972 Typist Advt.	224	29	16	9	22	5	8	3	38	24	8	6	+16	
Advt. 1975	265	34	19	10	27	37	3	..	22	+3	16	10	5	
Jr. Steno. Advt.	1972	59	8	5	3	6	1	1	..	10	7	4	3	+4
	1975	45	6	3	2	5	..	..	..	4	6	3	2	1
	1977	55	7	4	3	6	..	..	..	7	7	4	3	+1
English-Cum-Marathi Typist Advt.	1972	48	6	3	2	5	2	1	..	19	4	2	2	+14
	1976	26	4	2	1	3	..	..	..	10	4	2	1	+7

## APPENDIX-3

## GENERAL UNIT

## Promotion as on 1-1-1979.

Category	No. of vacancies filled in from 23-5-74 to 31-12-78	Reservation as per Roster			Actual position			Backlog			Remarks
		S.C.	S.T.	D.T./N.T.	S.C.	S.T.	D.T./N.T.	S.C.	S.T.	I.T./N.T.	
(1) Head Clerk	..	129	17	9	6	4	Nil.	Nil.	13	9	6
(2) Office Supdt.	..	21	3	2	1	1	Nil.	Nil.	2	2	1

**APPENDIX—4**  
**EDUCATION DEPARTMENT (PRIMARY).**

*Recruitment of Teachers as on 1-4-1979.*

Language	Total No. of Teachers Working	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) Marathi	9,600	1,248	672	384	960	1,029	66	90	1,032	119	606	294	+72
(2) Gujrati	1,747	227	123	70	175	119	37	5	51	108	86	65	124
(3) Hindi	1,713	223	120	69	172	56	13	9	119	167	107	60	53
(4) Urdu	2,286	298	160	92	229	1	..	2	59	297	160	90	170
(5) Tamil	259	34	18	10	26	31	1	1	7	3	17	9	19
(6) Telgu	265	35	19	11	27	34	1	14	31	1	18	+3	+4
(7) Kannad	355	47	25	14	35	5	..	2	21	42	25	12	14
(8) English	322	42	22	13	32	3	..	2	7	39	22	11	25
(9) Sindhi	52	7	4	2	5	..	..	..	..	7	4	2	5
(10) Malyalam	8	..	1	1	1	1	..	1	..	..	1	..	1

**APPENDIX—5**

**EDUCATION DEPARTMENT (PRIMARY SECTION)**

*Promotion as on 1-1-1979*

Language	Category	No. of vacancies filled in from 23-5-74 to 31-12-78	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.
Marathi	Head Teacher	332	43	24	14	49	3	..	Ex. +5	21	14
	Dy. Head Teacher	616	80	44	25	79	27	17	1	17	8
Hindi	Head Teacher	59	9	5	3	2	..	..	7	5	3
	Dy. Head Teacher	82	11	7	4	8	..	1	3	7	3
Gujrati	Head Teacher	78	11	6	4	10	1	..	1	5	4
	Dy. Head Teacher	34	5	3	2	..	..	..	5	3	2
English Primary	Head Teacher	14	2	1	1	..	..	..	2	1	1
	Dy. Head Teacher	..	..	..	..	..	..	..	..	..	..
Telgu	Head Teacher	11	2	1	1	2	..	..	..	1	1
	Dy. Head Teacher	11	2	1	1	1	..	..	1	1	1
Kannad	Head Teacher	14	2	1	1	..	..	..	2	1	1
	Dy. Head Teacher	14	2	1	1	..	..	..	2	1	1
Tamil	Head Teacher	22	3	2	1	..	..	..	3	2	1
	Dy. Head Teacher	36	5	3	2	..	..	..	5	3	2

**APPENDIX—6**

**EDUCATION DEPARTMENT (SECONDARY SCHOOL)**

*Recruitment as on 31-3-1979*

Category	No. of posts in cadre	Reservation as per roster				Actual position				Backlog			Remarks	
		S.C.	S.T.	D.T./O.B.C./N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C./N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C./N.T.		
Asstt. Teachers	2215	288	155	89	222	99	13	6	107	189	142	83	115	Reservation is not applicable in promotion posts.
Sr. & Jr. Clerks	139	18	10	6	14	9	1	..	5	9	9	6	9	

## APPENDIX-7.

## ADDITIONAL CHIEF ACCOUNTANT (W &amp; S) DEPARTMENT.

## Recruitment as on 1-1-1979.

Category	No. of Posts (Total Strength)	Reservation as per Roster				Actual Position				Backlog			
		S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.
Jr. A. & A.A.	179	23	13	8	18	4	..	..	43	19	13	8	25
Punch Operators	35	5	3	2	4	1	..	..	1	4	3	2	3
Jr. Programmer	8	1	1	1	1	..	..	..	..	1	1	1	1
Sr. Audit and Accounts Assistant.	18	3	2	1	2	..	..	..	..	3	2	1	2

## APPENDIX-8.

## ADDITIONAL CHIEF ACCOUNTANT (W &amp; S.) DEPARTMENT.

## Promotion as on 1-1-1979.

Category	No. of vacancies filled in from 23-5-74 to 31-12-78	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.
A.C.A.	1	..	..	..	..	..	..	..	..	..
Dy. C.A.	2	..	..	..	..	..	..	..	..	..
A.A. 1st Grade	14	2	1	1	..	..	..	2	1	1
Sub-Accountant	15	2	1	1	..	..	..	2	1	1

## APPENDIX-9.

## MUNICIPAL SECRETARY'S DEPARTMENT.

## Recruitment as on 1-1-1979.

Category	No. of Posts (Total Strength)	Reservation as per Roster				Actual Position				Backlog			
		S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.	S.C.	S.T.	D.T./O.B.C. N.T.	O.B.C.
Clerk	21	3	2	1	2	1	..	..	..	2	2	1	2
Jr. Steno. (E)	14	2	1	1	2	..	..	..	..	2	1	1	2
Jr. Translator (M)	14	2	1	1	2	..	..	1	2	2	1	..	..
Jr. Steno. (M)	4	1	1	..	..	..	..	..	1	1	1	..	..
Typist (M)	5	1	1	..	..	..	..	..	..	1	1	..	..
Peon	28	4	2	2	3	3	..	2	6	1	2	..	+3



**APPENDIX—10.**  
**MUNICIPAL SECRETARY'S DEPARTMENT,**  
**Promotion as on 1-1-1979.**

Category	No. of vacancies filled in from 23-5-74 to 31-12-78	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.
M.S.	1	..	..	..	..	..	..	..	..	..
Dy. M.S.	1	..	..	..	..	..	..	..	..	..
P.S. to Mayor	2	..	..	..	..	..	..	..	..	..
A.M.S. (Sr.)	3	1	..	..	..	..	..	1	..	..
A.M.S. (Jr.)	7	1	1	1	1	..	..	..	1	1
P.A. To Ch. S.C.	1	..	..	..	..	..	..	..	..	..
P.A. to Mayor (Temp.)	4	1	1	..	..	..	..	1	1	..
P.A. to Ch. S.C. (Add)										
P.A. to Ch. E.C. (Pr.)										
P.A. to Ch. I.C.										
Sup. (M)	..	..	..	..	..	..	..	..	..	..
Asstt. Sup. (M)	3	1	..	..	..	..	..	1	..	..
Sr. S.A.	12	2	1	1	..	..	..	2	1	1
Sr. Steno. (B)	7	1	1	1	..	..	..	1	1	1
Jr. S.A.s	11	2	1	1	..	..	..	2	1	1
Sr. Tr. (M)	6	1	1	1	..	..	..	1	1	1
Sr. Steno. (M)	5	1	1	..	..	..	..	1	1	..
R. & D. Asstt.	7	1	1	1	1	..	..	..	1	1
Jamadar	1	..	..	..	..	..	..	..	..	..
Havildar	6	1	1	1	1	..	1	..	1	..
Naik	12	2	1	1	2	..	1	..	1	..

## 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 B. 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 the 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 the matters requiring policy revision and implementation thereof. It also keeps a watch on the results arrived at the materials testing laboratory where the building materials, and the cubes of cement concrete are tested and also on the results of checking of samples of hot mix asphalt macadam and asphalt concrete used on Municipal works at the asphalt testing laboratory. Whenever considered necessary, this unit suggests hammer tests and load tests on construction works.

Some of the details of the work done during the year 1979-80.

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

(a) Building Construction Works	...	...	...	156
(b) Road Construction Works	...	...	...	220
(c) Water supply and S. D. Works	...	...	...	60
(d) Slum Improvement Works	...	...	...	30
(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 by the M. C., D. M. Cs., C. B. 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

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

## LABOUR DEPARTMENT

### High Lights—

(1) Expenditure—					
(i) Establishment	...	...	...	...	Rs. 6,18,148.00
(ii) Other than Establishment	...	...	...	...	Rs. 4,26,167.82
(2) Recognised Unions	...	...	...	...	38
(3) Joint Councils	...	...	...	...	9
(4) Welfare Centres	..	--	--	--	47
(5) Grievances attended	...	...	...	...	21,792
(6) Average daily attendance of Welfare Centre—					
(i) Adults	...	...	...	...	4000
(ii) Children	...	...	...	...	5000

**Trade Unions:** The Trade Union activities among Labour and other staff were mostly confined to 38 Unions recognised by the Municipal Commissioner as per rules and covered about 40,500 members.

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

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

(ii) **Grievance procedure :** A four stage grievance procedure continued to redress the grievances of the employees in all the Departments. The grievance committee consist of the representatives of the Labour and the Management which investigate the grievances of the employees.

(iii) **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 Conciliation Officers during the period (See Appendix 'B').

**Scholarships to the Children of the Municipal Employees:** During the year 522 applications for Scholarships were received and 266 scholarships were granted to the applicants for higher education and 200 for secondary Education. The total amount paid by way of Scholarships to the Municipal employees was Rs. 51,900.

**Medical Assistance scheme to the Municipal employees:** Under the above scheme 93 deserving employees suffering from T. B. and other disease were given medical assistance amounting to Rs. 12,617.21. Two deserving Municipal employees are also given medical assistance amounting to Rs. 10,000 for major illness of their direct dependents, in the previous year.

**Inter Ward / Inter Departmental Dramatic Competitions:** 14 Departments participated in the Inter-Ward and Inter-Department dramatic competitions held at the Birla Kreed Kendra.

First three dramas were presented running trophies. Four prizes of Rs. 101 each were awarded to the Best Actor, the Best Actress, the Best Director and the Best Art Director and 26 consolation prizes of Rs. 51 each were awarded for acting. One consolation Prize was also awarded for the best lighting.

**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 :** The branch collected the Statistical information from all the Municipal Departments in respect of quarterly staff position and the Establishment cost thereof and the same was submitted to the Municipal Commissioner.

The information of income from various sources and the expenditure towards the various services to the city was also collected and submitted to the outside agencies such as Government of India, State Government of Maharashtra, State Government of Madras and Labour Commissioner, Bombay.

**Welfare Branch :** 47 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 and Best Physique 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 Iijamata Udyan, 16 items of Folk Dances were presented.

(iii) **Inter Centre Dramatic Competitions :**

Inter Centre Dramatic Competitions were held at the Birla Kreedha Kendra in the month of December 1979. The prize distribution function of the competitions was held at Bal-Gandharva Mandir, Bandra when the Trophies were awarded to the first three dramas and the prizes were given to best Actor, Actress, supporting actor and Actress, Director and 19 consolation prizes were also given to encourage the artists. Shri Datta Bhatt a noted Marathi stage actor presided over the function.

(iv) **Film Shows :** Documentary and full length films of the educational and Social importance were shown daily at different welfare centres.

(v) **Daily Attendance :** The average daily attendance of adult and children at the different welfare centres during the year was 4,000 adults and 5,000 children as against 3,500 adults and 4,500 children in the previous year.

(vi) **Excursion for Nursing staff :** The excursion for Nursing staff was organised in the month of March 1980 to Madras, Kodaikanal, Tirupati-Madurai, 52 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 Umakhadi welfare centre in the previous year.

(viii) **Balwadi :** Four Balwadies are conducted at the Bapty Road, Palton Road, Colaba and Chembur during the year under report. Nearly 200 children of the Municipal employees took advantage of the Balwadies.

(ix) **Celebration of International Childrens year :** During the International childrens year various programmes were arranged for the children attending the welfare centres. Government of Maharashtra arranged 34 shows of Shahir Manohar Joshi at the Welfare Centres during the year ending. They were much appreciated by the participants of the welfare centres. The programme included excursions, Drawing Competitions Essay competitions, Elocution Competitions and Exhibitions, Smt. Sudha Karmarkar's dramas (1) "Ababa Vithoba Bolu Lagala" and (2) Snow white and Seven Dwarfs, were presented for the children of the Municipal employees who attend the welfare centres. Health checking programmes for the children attending the welfare centres were organised during this year.

(x) **Different Functions :** Combined Ganpati Festival was organised at the K. E. M. Hospital Welfare Centre. Cultural items were presented during the festival and the prizes were distributed to the participants for taking part in the programmes. Haldi Kumkum Functions, Buddha Jayanti functions were also held. On 26th January and 15th August functions were also organised at the welfare Centres.

(xi) **Other Activities :** The work of fabrication of peticoats and preparation of Arm Bands were carried out by the participants of the Welfare Centres and supplied to the various departments of the Corporation.

(xii) **Television Sets :** 20 Television sets have 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.

(xiii) **Training course for the part-time staff :** Special training course in Community orientation was arranged with the help of Tata Institute of Social Sciences for the part-time staff working at the Welfare Centres in the month of April 1979. The course was of 12 days duration. Certificates were awarded to the workers for attending the course by the Tata Institute of Social Sciences.

(xiv) **Guiding :** The total strength of the Guides and bulbul section were 1230. The organisation rendered services by maintaining Law and order at the time of several public celebration.

(xv) **Yoga Kendra :** Two Yoga Kendras one at Municipal Head Office and the other at Pettit School Compound, Bandra were conducted for the benefit of the Municipal Employees.

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	145	2,752	1,200	244	12	35	3
2	Promotions, Transfer Confirmation and annual increments	1,052	188	1,002	184	45	3	5	1
3	Fines, Reversions, Suspensions, Dismissals and other punishments. ...	740	33	686	31	48	2	6	..
4	Delay in payment of wages (wages leave) and allowance ...	775	375	725	373	41	..	9	2
5	Delay in settlement of Provident Fund and other retirement benefits ...	605	102	566	101	29	1	10	Nil.
6	Non supply of equipments & uniforms	350	26	328	23	18	1	4	2
7	Delay in sanctioning leave due ...	806	45	790	43	12	2	4	..
8	House rent, accommodation & transfers of quarters	1,014	44	988	41	15	2	11	1
9	Miscellaneous ...	4,594	1,265	4,536	1,261	48	..	10	4
10	Departmental reference etc. ...	4,290	1,242	4,290	1,234	...	...	...	8
	Total ...	17,257	4,535	16,663	4,491	500	23	94	21

## APPENDIX ' B '

## Disputes referred to the Government Labour Officers

Serial No.	Name of the Union	Department concerned	Categories attached	Referred to	Nature of Disputes
1	Municipal Pharmacist Assoc. ...	H. O. & Dean (K. N. G.)	Pharmacist	Asstt. Commissioner of Labour.	Demands of revision of grade & other facilities of the Pharmacist.
2	Individual	H. O.	Do.	Do.	Re-instatement in Municipal service of Shri Gokhale.
3	Maharashtra State Nurses' Welfare Association.	H. O. & All Hosp.	Nurses	Do.	Charter of Demand, Revision of pay Scale.
4	Municipal Executive Staff Union.	Family Welfare Unit.	Employees working in F. W. Unit.	Do.	Revision of pay scale & grade.
5	Individual	A. E. M. W. W. (City.)	Fitter (H. E.)	G. L. O.	Change in date of Birth of Shri S. B. Rane.
6	Individual	W. O. (Estates)	Rent Supervisor	Do.	(Shri Mal'kar) Reinstatement with back wages.
7	Bombay Municipal Subordinate staff Union & Others.	All Depts.	Clerical and All others.	A. C. L.	Notice of change about 50 years retirements.
8	All Unions	All Depts.	Clerical and all others category.	Do.	Notice of change to modify the M. S. Conduct Rules so as to prohibit the employee to sponsor more than one Co-op. Hsg. Society.
9	Individual Dispute	Security Dept.	Security Guard.	Presiding officer of the Labour court.	Dispute in respect of removal of security Guard.



## 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 on the references made to it. Legal Department also does 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
<b>I—Supreme Court Appeals.</b>	.. 25	1	26	..	26
<b>II—High Court</b>					
(1) First Appeal.	.. 273	35	308	70	238
(2) Appeals from Order.	.. 247	73	320	125	195
(3) Letter & Patent Appeals.	.. 24	5	29	11	18
(4) Civil Applications.	.. 319	120	439	90	349
(5) Civil Revision Applications.	.. 15	2	17	7	10
(6) Special Civil Petition.	.. 91	11	102	37	65
(7) Long Causes Suits.	.. 140	18	158	49	109
(8) Arbitration Suits.	.. 8	1	9	3	6
(9) Appeals before Division Bench.	.. 65	12	77	5	72
(10) Insolvency matters and company petitions	.. 182	1	183	10	173
(11) Writ Petitions.	.. 1001	185	1186	308	878
(12) Pauper Petitions.	.. 4	..	4	2	2
(13) Notices of Motion.	.. 55	4	59	..	59
(14) Land Acquisition References.	.. 56	3	59	..	59
(15) Allahabad High Court Insolvency matter.	.. 1	..	1	..	1
(16) Jodhpur High Court Insolvency matter.	.. 1	..	1	..	1
<b>III.—City Civil Court.</b>					
(1) Suits filed by the Corporation	.. 26	8	34	2	32
(2) Suits filed against the Corporation.	.. 1483	948	2431	686	1745
(3) Miscellaneous Appeals.	.. 61	117	178	92	86
<b>IV.—Small Causes Court.</b>					
(1) Suits filed by the Corporation.	.. 57	6	63	19	44
(2) Suits filed against the Corporation.	.. 118	33	151	18	133
(3) Garnishes notices.	.. 3	2	5	2	3
(4) Licence Appeals.	.. 134	40	174	45	129
(5) Set-back Appeals.	.. 3	5	8	3	5
(6) Appeals against rateable value.	.. 1575	265	1840	166	1674
(7) References under Section 503 of the B.M.C. Act.	.. 154	35	189	36	153
(8) Notices in Suits.	.. 9	..	9	1	8
<b>V.—Labour and Industrial Court.</b>					
(1) Labour Court Applications.	.. 14	9	23	10	13
(2) Motor Accidents Claims Tribunals.	.. 56	26	82	8	74
(3) Applications in Workmen's compensation Court	.. 12	15	27	12	15
(4) Authority under payment of wages Act.	.. 192	..	192	4	188
<b>VI.—Police Court.</b>					
(1) Police Court cases.	.. 49996	26602	76598	24389	52209
(2) I. P. C. cases.	.. ..	9	9	6	3
(3) P. F. A. cases.	.. 84	6	90	9	81
(4) Traffic cases.	.. 4	2	6	3	3
(5) Cruelty to Animals Act.	.. ..	1	1	1	..
(6) Cases under Section 515 of the B.M.C. Act.	.. 11	3	14	3	11
(7) Lunatic matters in Bombay and Poona.	.. 12	4	16	11	5
(8) Co-operative Court matters.	.. ..	2	2	1	1
(9) Supreme Court Appeals.	.. 1	..	1	..	1
(10) Contested cases under B. M. C. Act.	.. ..	11	11	5	6
(11) M. R. T. P. Act.	.. 60	..	60	22	38
(12) Tree cutting.	.. ..	1	1	1	..
(13) High Court Appeals.	.. 15	4	19	11	8
(14) Sessions Court Appeals	.. 20	6	26	3	23
(15) Criminal Revision Applications (Sessions Court)	.. 30	11	41	12	29
(16) Criminal Revision Applications, (High Court)	.. 14	10	24	7	17
(17) Coroners Court.	.. ..	1	1	1	..
(18) High Court Writ Petition.	.. ..	1	1	1	..
(19) Transfer Applications.	.. ..	1	1	1	..
(20) Total amount of fine recovered.	.. Rs. 22,89,768.				

<b>VII.—Municipal Enquiry Courts</b> (Section 105B of the B.M.C. Act).		
(1) Cases pending as on 1-4-1979.	5876	
(2) New cases referred to Enquiry Officers from 1-4-1979 to 31-3-1980	6704	
(3) Total number of cases disposed of during the year under report.	6883	
(4) Cases pending as on 31-3-1980.	5697	
<b>VIII.—Documents Completed during the year :</b>		
(1) Conveyance.	9	
(2) Agreements for handing over possession.	14	
(3) Leases.	42	
(4) Sale Certificate.	4	
(5) Deed of Exchange.	3	
(6) Deed of Rectification.	2	
(6A) Licence and Deed of Covenants.	102	
(7) Agreements.	55	
(8) Indemnity Bonds.	24	
(9) Cases for compensation of set back land City and Town Planning	32	
(10) Cases for compensation of set-back land (Suburbs).	83	
(11) Advice matters in respect of stamp Duty, Town Planning, set-back, P. F. Claims, Agreements, Misc. matters.	1543	
(12) Indenture of Mortgage and Deed of Receipts (Municipal Housing Societies)	64	
(13) Legal Notices for breaches committed by lessees.	28	
(14) Appeal matters in respect of C. T. S. R. T. S. Charity Commissioner, sales Tax Tribunals etc.	49	
(15) Further charges (Municipal Housing Societies).	10	
(16) Advice on Legal Documents like Deed of Assignment/Transfer/Conveyance Gift/Relinquishments Appointment of New Trustees/Consent/Decree/Probate letters of Administration/Sub-lease etc.	347	
(17) Assignments.	74	
(18) Indemnity.	27	
(19) Gift.	4	
(20) Power of Attorney	4	
(21) Probate.	7	
(22) Appointment of New Trustees.	4	
(23) Consent Terms.	2	
<b>IX.—References received from Departments and outside parties.</b>	<b>26,592</b>	

**S. N. PHADKE,**  
*Law Officer.*

## CENTRAL STORES

### SALIENT FEATURES :—

Expenditure :—		Rs.
(1) Establishment	...	10,01,715
(2) Advertisement	...	74,089
(3) Printing and Stationery	...	46,846
(4) Miscellaneous clothing Book and Dead Stock Lighting and Tea etc.	...	72,302
(5) Maintenance & Repairs	...	8,139
		Total
Amount realised :—		12,03,091
		9,21,049
III—Value of stores :		
(1) Opening Balance	...	69,52,452
(2) Issue	...	6,01,95,546
(3) Purchase	...	6,16,80,822
(4) Balance	...	84,37,728
IV—Work handled :—		
(1) Tender invited	... 273	(2) Contract executed ... 373
(3) Quotations invited	... 100	(4) Items purchased ... 3,406
V—Averages		
	General Stores	Capital Stores
(i) Inventory level	... Rs. 40,90,442	Rs. 32,04,648
(ii) Stock in terms of months	... 2.402 months	0.967 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 254 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 499 notices were served on the defaulting suppliers and in 9 cases tender or contract deposits were either wholly or partly forfeited. In delayed supplies penalties were also recovered.

During the course of year 3424 bills for suppliers were received and certified. 22917 indents from various departments were received and the same were complied with 3267 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. 6,190.52 were disposed of by sale.

**C. H. KHUBCHANDANI,**  
*Controller of Stores.*

### STATEMENT 'A'

#### Showing Stores Transaction during the year 1979-80

Particulars	Capital Stores	General Stores	Total of Columns 2 & 3
(1)	(2)	(3)	(4)
	Rs. P.	Rs. P.	Rs. P.
Value of Stores on 1st April 1979	... 31,15,450.32	38,37,002.08	69,52,452.40
Value of Stores received including transfers during the year 1979-80	... 4,07,39,336.13	2,09,41,485.89	6,16,80,822.02
Total	... 4,38,54,786.45	2,47,78,487.97	6,86,33,274.42
Less—Value of Stores issued including transfers during the year 1979-80	... 3,97,60,940.33	2,04,34,605.73	6,01,95,546.06
Balance as on 1-4-1980	... 40,93,846.12	43,43,882.24	84,37,728.36
Average Annual Inventory	... 32,04,648.22	40,90,442.16	76,95,090.38
Ratio of Average Inventory level to Monthly issue	... 0.967 Months.	2.402 Months.	1.534 Months.

**STATEMENT 'B'**  
(Details of Stock held at Central Stores.)

Figures are Repees in Lakhs.

Serial No.	Particulars	Balance as on 1-4-1979	Receipts during 1979-80.	Total	Issued during 1979-80.	Balance as on 1-4-1980	Average Inventory	Average monthly consumption	Average Inventory level in terms of month.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>CAPITAL ACCOUNT</b>									
(1)	Cement	20.17	379.49	399.66	377.67	21.99	21.07	31.47	0.670
(2)	C. I. Pipes, Manholes Hydrants water & Drainage castings etc.	2.19	2.24	4.43	2.25	2.18	2.19	0.19	11.682
(3)	M.S. Round Bars, Flats, Plates, G. I. Black sheets, etc.	5.56	15.15	20.71	7.92	12.79	9.17	0.66	13.880
(4)	Pipes, stoneware and Hume	0.33	0.23	0.56	0.36	00.20	0.26	0.03	8.891
(5)	Galve. Pipes and Fittings	2.86	10.17	13.03	9.34	3.62	3.28	0.78	4.215
(6)	Lead Pig and Lead pipes	0.03	0.11	0.14	0.08	0.06	0.05	0.06	7.457
(7)	Asbestos sheets, Pipes and fittings	0.03	...	0.03	...	0.03	...	...	...
<b>GENERAL ACCOUNT</b>									
(8)	Spindle Brass fittings	1.93	0.64	2.57	1.34	1.23	1.58	0.11	14.208
(9)	Bolts, Nuts, Rivets, Nails, Washers and Hardwares etc.	1.54	4.88	6.42	4.44	1.98	1.76	0.37	4.749
(10)	Broom Goa, Dafe and Brushes	0.89	4.83	5.72	4.61	1.11	1.00	0.38	2.594
(11)	Cables and Wires	0.41	2.48	2.89	2.01	0.88	0.65	0.17	3.877
(12)	Electric Accessories, bulbs, fans, Electrodes, Dry Cells, etc.	4.48	18.89	23.37	16.94	6.43	5.45	1.41	3.860
(13)	Files and Rasps	0.11	0.09	0.20	0.12	0.08	0.10	0.01	9.669
(14)	Oil Castor, Coconut, sweet, Kerosene grease Lubricating etc.	0.17	10.93	11.10	10.81	0.29	0.23	0.90	0.258
(15)	Timber, Ladders shaft Bhendiwood, Plywood sheets, Nowghani Poles, etc.	0.08	0.46	0.54	0.42	0.12	0.10	0.03	2.993
(16)	Clothing	13.83	78.16	91.99	79.31	12.68	13.25	6.61	2.006
(17)	Disinfectant, Tropical chloride cleaning powder etc.	3.28	10.69	13.97	13.73	00.24	1.76	1.14	1.541
(18)	Tools Machinery footrules spanners, drills, saws, Angerscrews etc.	0.26	2.98	3.24	2.25	00.99	0.63	0.19	3.356
(19)	Soap and Soda	1.05	13.87	14.92	12.70	2.22	1.64	1.06	1.551
(20)	Baskets Cane, Bamboo and wooden	0.61	13.07	13.68	13.26	0.42	0.52	1.11	0.466
(21)	Buckets, Dustbins, Chamellas, Enamelware Hurricane, Lanterns, Glassware etc.	3.14	9.03	12.17	8.30	3.87	3.50	0.69	5.065
(22)	Hose, Rubber, Belting canvas	1.42	7.07	8.49	6.72	1.77	1.60	0.56	2.853
(23)	Wires Brass Rod, copper sheets zinc Sheets, etc.	1.01	3.45	4.46	2.59	1.87	1.44	0.22	6.640
(24)	Leather Hides, Chamois, Chappals, Floungers, Boots and other leather articles.	1.30	5.89	7.19	5.70	1.49	1.40	0.47	2.948
(25)	Coir goods, cotton goods, Yarn spun, waste cotton, packing asbestos, etc.	0.33	3.77	4.10	3.52	0.58	0.45	0.29	1.533
(26)	Paints, powders, Linseed Oils and Turpentine.	2.27	4.12	6.39	4.31	2.08	2.18	0.36	6.075
(27)	Locks of sorts	0.02	5.09	5.11	3.06	2.05	1.03	0.25	4.041
(28)	Misc. articles (Polish, candles, glue gum, powras showels, etc.)	0.22	9.03	9.25	8.19	1.06	0.63	0.68	0.925
	<b>Total</b>	<b>69.52</b>	<b>616.81</b>	<b>686.33</b>	<b>601.95</b>	<b>84.38</b>	<b>76.95</b>	<b>50.16</b>	<b>1.534</b>

### ADMINISTRATIVE OFFICER (ENQUIRIES)

The Department carries out the following functions :—

- (a) Investigations of complaints against Municipal employees, complaints of corruption, malpractices, defalcation, mis-appropriation and other serious misconducts.
- (b) Conduct of Departmental Enquiries against the Municipal employees.
- (c) Giving advice and instructions in the matter of investigation and Departmental enquiries to the other Departments.
- (d) Work pertaining to the installation of telephone at the various Municipal offices and residences of Municipal Officers.

2. During the year the Department conducted 2327 investigations, paid 1412 surprise visit to various Municipal Institutions and mustering places and disposed of 3172 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 mis-appropriation of Municipal money.	116
(b) Cases of irregularities of major nature	367
(c) Cases of irregularities of minor nature	1844

Actions taken were as under :—

	No. of cases
1. Dismissal	4
2. Removal	7
3. Demotion	5
4. Withholding of increments	124
5. Fines imposed	165
6. Censure, Caution and warnings	150
7. Suspension for 3 days	58
8. Recovery on account of loss to the Corporation	16
9. Exonerated as the charges were not proved	29

The furniture (Insp.) of this office has checked during the year total No. of 65760 furniture articles out of which 54257 articles were approved and 11503 articles were rejected.

3. Major changes effected during the year

On repatriation of the Vigilance Officer to the Police Deptt., the work of Vigilance Cell came under the charge of Administrative Officer (EnQ.).

4. Salient features :—

- (a) Surprise raids were carried out by interception of vehicles after they had passed certain Octroi Nakas and cases involving evasion of octroi were detected.

As a result, the Octroi amount to the tune of Rs. 11,960.00 was recovered at the instance of this Deptt.

- (b) Preliminary Investigations were made into the alleged frauds of short remittances of Octroi amount to the tune of over Rs. 10 lacs. Concerned Inspectors of the Octroi Department have been suspended and the case is further entrusted to the Police for investigation.
- (c) Two cases of fraudulent use of water were detected, of which one involved an amount Rs. 2,24,008.20.
- (d) Some 93 maternity homes from whom water charges were being recovered erroneously at domestic rates were made to pay the same at the higher schedule rates on the initiative of this office, retrospectively from 1-4-1972 bringing to the Municipal treasury an additional revenue of over 1 lakh per annum.

K. R. DIXIT,  
Administrative Officer (Enquiries)



## BOMBAY MUNICIPAL SECURITY FORCE

### SALIENT FEATURES :—

I—Income & Expenditure—					
(i) Income	..	...	...	...	Nil.
(ii) Expenditure	...	...	...	...	Rs. 1,45,75,292.23
II—Departmental Enquiries completed	...	...	...	...	81
III—Theft etc. cases reported	...	...	...	...	442
IV—Value of Municipal property involved	...	...	...	...	1,13,777.35
V—Cases detected	..	...	...	...	58
VI—Value of property recovered	...	...	...	...	57,084.58
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	..	..	..	..	9
Head Security Guards	..	..	..	..	13
Security Guards	..	..	..	..	540

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	..	...	...	...	35
(b) Serious irregularities, such as rude behaviour and assaults gross dereliction of duties etc.	...	...	...	...	32
(c) Minor irregularities such as irregular attendance, negligence of duties etc.	...	...	...	...	14
				Total	81

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

	No. of employee	No. of cases
Dismissal	...	1
Removal from Service	...	3
Demotion	...	2
Withholding of increments	...	30
Fine imposed	...	22
Censures and Warnings	...	1
Recoveries made for loss of Municipal Property	...	21
Sent to Departments concerned for necessary remedial action	...	2
Exonerated as the charges were not proved.	...	9
Enquiries pending at the end of the year	...	22
D.Es. kept on Dormant File other than enquiries shown pending above.	...	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				
Security Guards and Head Security Guards	1	2		5
Labour staff other than Security Guards and other categories		1	2	25
<b>Total</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>30</b>

The Security Guards found guilty of minor defaults are punished such as cautioned, censured or fined. The fine thus recovered from 22 Security Guards amounted to Rs. 60 during the year.

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

	Total No. of Cases	Property lost Rs.	Cases detected	Property recovered Rs.
Hospitals	31	39,970.30	22	37,200.30
Others	411	63,807.05	36	19,884.28
<b>Total</b>	<b>442</b>	<b>1,13,777.35</b>	<b>58</b>	<b>57,084.58</b>

The Security Force maintains special Bandobast at Corporation Meetings at the Corporation Hall. The Officers of the Security Force are called on Special duty in case of emergencies like "Strikes", "Bunds" Demonstrations, Morchas etc. On some occasions they have to work Round the Clock.

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

The Security Force has got its own Training School and during the year 103 security guards (Recruits) were imparted training. 78 candidates were recruited to the post of security guard in this year.

The Bombay Municipal Security Force has organised its own Band Unit during the last year. 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.

G. H. SALUNKHE,  
Security Officer.

# MUNICIPAL PRINTING PRESS

## HIGH LIGHTS †

### (1) Expenditure :

(a) Establishment Rs. 35,61,358. (b) Other Items Rs. 50,70,782.

(2) Jobs : (a) Printing 8780. (b) Supply of Stationery 2474.

(3) Printed pages for Corporation and their various Committees 50,808

(4) Amount Charged :—(a) To Department Rs. 85,05,991 (b) To Private Parties Rs. 64,203.

During the year, the Press carried out 8780 printing jobs both Department and Private in addition to supply of Stationery jobs at a total cost of Rs. 85,05,991. Department undertook 50 Private Printing Jobs and 7 jobs of stationery and earned Rs. 64,203. There was a surplus of Rs. 10,76 030 against the last year's surplus Rs. 8,08,721. In order to meet the requirements, department purchased 537 1/2 Metric Tons of various kinds of paper from the market and consumed total quantity of 526.3/4 Metric Tons which included old stock.

The comparative statement of jobs carried out and paper purchased during 1978-79 and 1979-80 is furnished below :

### Statement I (Jobs carried out)

Description	1978-79		1979-80	
	Jobs	Pages	Jobs	Pages
(i) Departmental (Printing)	8617	..	8730	..
(ii) Departmental (Stationery)	2125	..	2467	..
(iii) Private Parties Printing	34	..	40	..
(iv) Private Parties Stationery	5	..	7	..
(v) B. E. S. & T. Undertaking	10	..	10	..
(vi) Corporation & Committees	..	37613 E 7292 M 2513 M	..	33607 E 5684 M 1678 M
(vii) Corporation Record	..	10654 E	..	9839 E

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

### Statement II (Paper consumed).

Description	1978-79		1979-80	
	Rate per Kgs.	Quantity in M. T.	Rate per Kgs.	Quantity in M. T.
(i) White	Rs. 6.78	382	Rs. 10.82	381.1/4
(ii) Nepa	4.72	28.1/4	6.70	23.1/4
(iii) Other kinds	6.71	132.3/4	8.81	122.1/4
Total		543		526.3/4

Certain jobs were carried out through Outside Agencies at a cost of Rs. 54,138/- as against Rs. 35,726/- in the previous year. In addition to regular work, the Press carried out printing of (i) Marathi Budget comprising 3338 pages and (ii) Budget 'G' both Marathi and English in time against heavy odds.

In response to the Incentive Bonus Scheme for C. L., 5 workers responded as against 6 in the previous year. The Press is working in two shifts with a total strength of the 394 workers as on 29th February 1980 against 400 as on 28th February 1979. 19 Apprentices under Apprenticeship Act 1961 were engaged in year as against 17 on 28th February 1979. The labour relations were very cordial and their grievances were redressed on spot wherever practicable.

M. W. BAGUL,  
Manager I/C.  
Municipal Printing Press.



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MUNICIPAL PRINTING PRESS

Balance Sheet as at 31st March 1980.

Liabilities	Rs. P.	Rs. P.	Assets	Rs. P.	Rs. P.	Rs. P.
<b>CAPITAL—</b>						
(1) Advance from Surplus Cash Balance ..	5,544.00		(1) Plant and Machinery purchased out of Surplus Cash Balance ..		5,544.00	
(2) Advance from Net Premia Fund. ..	1,68,221.12		(2) Plant and Machinery purchased out of Net Premia Fund. ..		1,68,221.12	
(3) Do. ..	49,201.19		(3) Do. ..		49,201.19	
(4) Do. ..	22,745.31		(4) Do. ..		22,745.31	
(5) Advances from Special Fund. ..	1,81,685.55		(5) Do. Out of Special Fund. ..		1,81,685.55	
(6) Do. ..	7,134.37		(6) Do. ..		7,134.37	
(7) Do. ..	415.00		(7) Do. ..		415.00	
(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. ..		1,55,903.66	
(9) Do. ..	1,09,122.24		Do. Books & Dead Stock ..		11,649.38	
10) Advances from Plant and Machinery Depreciation Fund. ..	1,39,669.10		Do. Cost of Crusher Bldg. ..		4,47,771.85	
(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. ..		51,881.44	
(12) Do. ..	97,107.17		(11) Do. ..		97,107.17	
(13) Do. ..	2,49,116.21		(12) Do. ..		2,49,116.21	
(14) Advances from Sundries—Miscellaneous Advances ..	1,11,100.39		(13) Plant and Machinery purchased out of P.&M. Depreciation Fund. ..		1,39,669.10	
(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 ..		1,11,100.39	
(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 ..		1,39,800.00	
(17) Advances from different Special Funds. ..	6,89,908.11		(16) Plant and Machinery purchased out of Special Fund Item No. 1. ..		1,50,697.24	
(18) Advances from Loan Funds Item No. 2. ..	24,182.28		(17) Advances from different Special Fund ..		6,89,908.11	
(19) Purchased out of Advances from Loan Fund ..	8,640.00		(18) Advances from Loan funds Item No. 2. ..		24,182.28	
(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 ..		8,640.00	
	30,70,924.37		(20) Plant and Machinery purchased out of Advances from Loan Fund—Item No. 4 ..		3,58,560.00	
<b>Less—amount repaid</b> ..	18,13,158.98	12,57,765.39	<b>Less— Depreciation upto 31-3-1980</b>		30,70,924.37	18,13,158.98
			Work in Progress ..			11,93,973.36
			Stock of Paper etc. ..			9,48,934.91
			Mono Metal—Balance as per last year. ..	4,23,737.29		
			Do. addition during the year ..	0.00		
				4,23,737.29		
			Do. less written off ..	21,186.86	4,02,550.43	
			Lino Metal—Balance as per last year. ..	4,78,817.19		
			Do. addition during the year ..	13,535.65		
				4,92,352.84		
			Do. less written off ..	24,617.64	4,67,735.20	
			<b>Material Non-consumable</b>			
			Balance as per last year ..	46.64		
			Do. less written off ..	23.32	23.32	
			<b>Books and Dead Stock</b>			
			Balance as per last year ..	54,514.05		
			Do. addition during year ..	328.32		
				54,842.37		
			Do. Less written off ..	7,718.55	47,123.82	
<b>Outstanding advances as on 31-3-1980</b> ..		1,02,92,227.51	Bills due from departments	72,31,886.47	72,31,886.47	1,02,92,227.51
		1,15,49,992.90				1,15,49,992.90

## ROTA PRINTING UNIT

### Important Features :

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

### Expenditure :

- (A) Establishment : Rs. 4,23,023.52  
 (B) Others : Rs. 5,91,357.60

### Work Load Summary :

	Pages	Cost (Rs.)
(1) Printing of Administration Reports of M.C. & M.C.A. in Marathi	1006	12,134.77
(2) Departmental Printing jobs such as, Formats, circulars, reports, etc.	1364 Jobs	2,57,261.82
(3) Urgent Items and Accompaniments and the Agenda of the Corporation and its various Committees.	1720 pages	67,114.87
(4) Annual Examination papers of Primary and Secondary Schools.	69.93 lakh impressions	3,67,928.00

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

**B. M. GHARPURE,**  
*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 1979-80.

## 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'	1979-80			1978-79
	Budget Estimates	Revised Estimates	Actuals	Actuals
	Rs.	Rs.	Rs.	Rs.
<b>Opening Balance</b>	5,75,91,000	4,97,93,706	4,97,93,706	3,81,33,129
<b>Income ..</b>	1,28,08,29,765	1,26,09,23,845	1,25,40,79,481	1,10,39,59,371
<b>Expenditure ..</b>	1,29,95,27,326	1,20,10,03,380	1,13,97,51,079	1,05,92,31,148
<b>Balance ..</b>	1,86,97,561 (Deficit)	5,99,20,465 (Surplus)	11,43,28,402 (Surplus)	4,47,28,223 (Surplus)
<b>Balance ..</b>	3,88,93,439	10,97,14,171	16,41,22,108	8,28,61,352
<b>Increase (—)</b>				
<b>Decrease (+)</b>				
<b>in Reservation for Advances etc. ..</b>	..	..	— 5,79,10,077	— 3,30,67,646
<b>Closing Balance..</b>	3,88,93,439	10,97,14,171	10,62,12,031	4,97,93,706
<b>2. The details of reservation of Advances etc.:-</b>			<b>Rs.</b>	<b>Rs.</b>
<b>Increase—</b>				
<b>In renewed Grant for Expenditure in 1980-81 ..</b>			50,00,000	
<b>In Advances, Miscellaneous Advances ..</b>			5,23,36,547	
<b>In Reserve Stores ..</b>			5,73,530	
<b>Net Increase ..</b>				<b>5,79,10,077</b>

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1980 and that as shown in the Revised Estimates for 1979-80 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 ..	4,97.94	4,97.94	..
Income ..	1,26,09.24	1,25,40.79	68.45 (Short fall)
Expenditure ..	1,20,10.04	1,13,97.51	6,12.53 (Short fall)
Deficit/Surplus for the year (-) (+)	+ 5,99.20	+ 11,43.28	5,44.08 (Excess)
Deficit/Surplus ..	+ 10,97.14	+ 16,41.22	5,44.08 (Increase by)
Deduct—Increase in Reservation for Advances ..	..	— 5,79.10	— 5,79.10
Net Deficit/Surplus (-) (+)	+ 10,97.14	+ 10,62.12	35.02 (Decrease)

In the Revised Estimates, Income was estimated at Rs. 126.09 Crores and Expenditure at Rs. 120.10 Crores. On actual closing of the books it is revealed that income is less by Rs. 0.68 Crores and Expenditure is also less by Rs. 6.12 Crores.

3. The net unhypothecated Surplus Cash Balance on 31st March 1980 was as under :—

Liabilities		Assets	
	Rs.		Rs.
Reserve Stores Account ..	47,58,758	Surplus Fund as per Appendix No. 2 ..	27,70,31,736
Advances for Plant and Machinery ..	11,576		
Miscellaneous Advances ..	16,60,49,371		
Minimum required by Law	1,00,000		
Surplus Cash Balance	10,61,12,031		
	27,70,31,736		27,70,31,736

4. The Opening Balance for and Closing Reserve Stores (including Capital Stores) the year 1979-80 is compared below :—

	Opening Balance	Closing Balance	+ Increase — Decrease
	Rs.	Rs.	Rs.
Serviceable Stores Reserve Stores ..	1,69,06,259	*1,75,29,416	+ 6,23,157
Reserve Stores Foras Road Depot ..	11,76,643	**10,50,537	— 1,26,106
Capital Stores ..	2,79,86,669	3,08,94,532	+ 29,07,863
Capital Stores (Foras Road Depot) ..	3,90,496	3,34,320	— 56,176

\* This includes Rs. 1,31,85,534 shown under unadjusted Reserve Stores Account.

\*\* This includes Rs. 6,35,661 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 on 1st April 1979	Loans raised during the year	Repayment during the year	Loan Outstanding as on 31st March 1980
	Rs.	Rs.	Rs.	Rs.
Division—I ..	55,42,64,226	7,85,13,181	34,38,260	62,93,39,147
Division—II ..	43,19,02,965	9,35,00,000	27,07,900	52,26,95,065
Division—III ..	22,47,26,608	4,67,50,000	15,92,560	26,98,84,048
Total ..	1,21,08,93,799	21,87,63,181	77,38,720	1,42,19,18,260

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

(1)	Rs.	Rs.	
Division—I ..	1,65,00,000		Being the loan amount towards Rs. 1425 lakhs <i>plus</i> 10 per cent. issued at par with the currency of 10 years at 6½ per cent. interest per annum raised by public subscription out of Rs. 1,875 lakhs loan sanctioned under Corporation Resolution, No. 1623, dated the 11th December 1979 and G. R. No. LON/3279/1100/79/BUD-16, dated 18th November 1979. The provision of Sinking Fund is sanctioned on 10 year's basis improving at 6½ per cent per annum.
Division—II ..	9,35,00,000		
Division—III ..	4,67,50,000	15,67,50,000	
(2)			
Division—I ..	5,50,00,000		Being the loan amount towards Rs. 550 lakhs loans 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. 1623 of 11th December 1979 and G. R. No. LON/3279/1100/79/BUD--16, dated the 18th December 1979. The provision of Sinking Fund is sanctioned on 25 years' basis improving at 6½ per cent per annum.
Division—II ..	...		
Division—III ..	..	5,50,00,000	
(3) Division—I	70,13,181	70,13,181	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. p. a. allocated to B. M. C. vide C.R. No. 772 of 29th November, 1976 and 828 of 17th December, 1976 and G.R. No. BMC/7676/313-UD-3, dated the 18th January 1977.
Total ..		21,87,63,181	

## The repayment during the year were as under :—

	Rs.	
Division—I ..	34,38,260	Repaid to different Special Funds out of Revenue on the basis of equated payment.
Division—II ..	27,07,900	Repaid to Debenture holders out of Sinking Fund investment.
Division—III ..	15,92,560	—Do.—
Total ..	77,38,720	

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

Budget 'A'	Amount of Fund on 1st April 1979	Interest etc. received	Sinking fund Instalments	Withdrawn for repayment of Loan	Amount of Fund on 31st March 1980
	Rs.	Rs.	Rs.	Rs.	Rs.
Div. I ..	41,07,59,334	2,22,94,201	4,02,94,400	5,79,09,500	*41,54,38,435
Div. II ..	10,62,73,932	71,85,434	2,06,82,685	45,00,000	*12,96,42,051
Div. III ..	6,38,04,561	42,26,754	1,28,62,777	35,00,000	*7,73,94,092
	58,08,37,827	3,37,06,389	7,38,39,862	6,59,09,500	62,24,74,578

The value of the securities held in the Sinking Fund on the basis of Market rates prevailing on 31st March 1980 including accrued interest and Cash exceeds the actuarial amount of the Sinking Fund by Rs. 4,65,98,154 (Division—I Rs. 2,23,34,066, Division—II Rs. 1,61,34,960 and Division—III Rs. 81,29,128).

#### REVENUE INCOME

##### For Division I, II and III

6. The estimated Income for the year was Rs. 1,28,08,29,765 and Revised Estimated was Rs. 1,26,09,23,845. The Actuals amounted to Rs. 1,25,40,79,481 resulting in decrease of Rs. 2,67,50,284 on the Budget Estimates and of Rs. 68,44,364 on the Revised Estimates.

#### OCTROI

6A. The gross collections for the year were estimated at Rs. 69,45,00,000 the refunds and commission charges at Rs. 7,00,00,000 and the net revenue at Rs. 62,45,00,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 72,12,85,155 and after deducting the amount of Rs. 6,40,22,531 (on account of refunds Rs. 5,54,12,105 and on account of fees for collection Rs. 86,10,426 credited to the separate Revenue Head), the net receipts amounted to Rs. 65,72,62,624 showing an increase of Rs. 10,79,61,964 as compared with the actuals of the previous year (i.e. Rs. 54,93,00,660).

#### REVENUE EXPENDITURE

##### For Division I, II and III

7. The final sanctioned grants amounted in the aggregate to Rs. 1,43,36,38,741.

	Rs.
Budget Grants .. .. .	1,29,95,27,326
Unexpended Grants for previous years renewed for expenditure ..	5,75,23,799
Additional Grants .. .. .	7,65,87,616
Final sanctioned Grants ..	<u>1,43,36,38,741</u>

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 82,64,262.

8. Against the final sanctioned grants for the year aggregating to Rs. 1,43,36,38,741 as stated above the actuals amounted to Rs. 1,13,97,51,079 leaving an unexpended balance of Rs. 29,38,87,664 at the close of the year. Out of this balance the amount of Rs. 7,50,00,000 is being renewed for expenditure during 1980-81 as against Rs. 7,00,00,000 in 1979-80 and the remaining balance of Rs. 21,88,87,662 is being allowed to lapse.

\* Out of this Rs. 30,07,81,145, Rs. 2,05,23,909 and Rs. 1,50,29,285 pertaining to Division—I, II and III respectively relate to Budget 'G'.

9. The percentage of establishment expenditure to the total expenditure for 1979-80 and the previous year is as given below :—

Budget 'A'	Establishment Cost	Percentage of Establishment cost to total Expenditure during	
		1979-80	1978-79
	Rs.		
Division—I	29,64,78,077	39.35	36.30
Division—II	9,15,31,243	35.15	35.70
Division—III	4,48,57,558	35.93	39.04

### LOAN WORKS EXPENDITURE

(City)

10. The Opening Balance on 1st April 1979 on account of Loan Fund excluding the Trust Fund was Rs. 3,20,07,835. Loans aggregating to Rs. 7,15,00,000 were raised during the year and amount of Rs. 70,13,181 was received from B. M. R. D. A. towards reimbursement of Loan. Similarly an amount of Rs. 1,15,62,625 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. 12,20,83,641. The total expenditure incurred during the year amounted to Rs. 7,48,59,977. Amount of Rs. 22,94,526 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. 4,49,29,138.

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

Year	LOAN FUND			Percentage of Actuals to Budget Estimates.	Percentage of Actuals to Revised Estimates.
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1977-78	21,43,06,150	21,01,24,950	6,78,68,094	31	32
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

The percentage of actual expenditure to funds available works out to 63.

(Suburbs)

The Opening Balance on 1st April 1979 on account of Loan Fund was Rs. 2,08,10,156. Loan aggregating to Rs. 9,35,00,000 was raised during the year. An amount of Rs. 63,05,330 was received towards repayment of Advances taken from Loan Fund for purchase of Plant and Machinery. Thus total loan fund available for expenditure during the year were Rs. 12,06,15,485. The total expenditure incurred during the year amounted to Rs. 7,89,16,339 (inclusive of Advances for P. & M.) leaving a balance of Rs. 4,16,99,147 in the Loan Fund at the close of the year. No expenditure was incurred during the year under Trust Fund and a balance of Rs. 97,808 was in Trust Fund at the close of the year.

atement 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.		
1977-78	17,36,26,700	17,00,21,150	6,26,06,212	36	37
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

The percentage of actual expenditure to the funds available works out to 65.

(Extended Suburbs)

The Opening balance on 1st April 1979 on account of Loan Fund was Rs. 1,17,54,904. Loan aggregating to Rs. 4,67,50,000 was raised during the year. An amount of Rs. 9,40,312 was received towards repayment of Advances taken from Loan Fund for purchase of Plant & Machinery. Thus total Loan Funds available for expenditure during the year were Rs. 5,94,45,216. The total expenditure incurred during the year amounted to Rs. 3,83,56,395 (inclusive of Advances for Plant & Machinery) leaving a balance of Rs. 2,10,88,821 at the close for 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.		
1977-78	10,09,83,600	7,74,02,530	3,68,88,847	37	48
1978-79	14,18,09,210	9,44,31,750	2,76,51,461	19	29
1979-80	14,14,67,800	12,11,75,800	3,83,56,395	27	32

The percentage of actual expenditure to the Funds available works out to 65.

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.		
1977-78	48,82,16,450	45,75,48,630	16,73,63,153	34	37
1978-79	61,88,44,890	53,12,73,245	15,04,54,789	24	23
1979-80	**74,23,94,827	@67,51,15,070	19,41,04,047	26	29

The percentage of Actual expenditure to the Funds available works out to 64.

\*\* Includes Rs. 1,25,000 on acc.unt of Trust Fund Div. III.

@ Includes Rs. 6,41,000 and Rs. 1,25,000 on acc.unt of Trust Fund of Div. II & III respectively.

## SINKING FUND

(City)

12. The book value of investment of the Sinking Fund as on 31st March 1980 amounted to Rs. 41,54,38,435 made up of Rs. 41,54,38,402 being the book value of securities and Rs. 33 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 1980 comes to Rs. 41,36,14,004. This together with the amount of interest accrued up to 31st March 1980 viz. Rs. 47,03,300 and cash with the State Bank of India Rs. 33 brings the total amount of Sinking Fund to Rs. 41,83,17,337 and more than covers the amount viz. Rs. 39,59,83,271 to which the Sinking Fund should have accumulated upto 31st March 1980. The excess in Sinking Fund Account was thus Rs. 2,23,34,066.

(Suburbs)

The book value of investment of the Sinking Fund as on 31st March 1980, amounted to Rs. 12,96,42,051 made up of Rs. 12,96,41,955 being the book value of the securities and Rs. 96 in cash with the State Bank of India, Bandra. Valuing the Municipal Debentures at par the market value of Sinking Fund investment held on 31st March 1980 comes to Rs. 12,93,68,335. This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 17,29,755 and cash with the State Bank of India, Bandra, Rs. 96 brings the total amount of Sinking Fund to Rs. 13,10,98,186 and more than covers the Amount of Rs. 11,49,63,226 to which the Sinking Fund should have been accumulated upto 31st March 1980. The excess in the Sinking Fund investment Account was thus Rs. 1,61,34,960.

(Extended Suburbs)

The Book value of investment of the Sinking Fund as on 31st March 1980 amounted to Rs. 7,73,94,092 made up of Rs. 7,73,94,090 being the book value of the securities and Rs. 2 in cash with the State Bank of India, Bandra. Valuing the Municipal Debentures at par the market value of Sinking Fund investment held on 31st March 1980 comes to Rs. 7,73,94,090. This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 11,10,599 and cash with the State Bank of India, Bandra Rs. 2 brings the total amount of Sinking Fund to Rs. 7,85,04,691 and more than covers the amount of Rs. 7,03,75,563 to which the Sinking Fund should have been accumulated upto 31st March 1980. The excess in the Sinking Fund investment Account was thus Rs. 81,29,128.

## INVESTMENT

(City)

13. As detailed below the aggregate investment made during the year was of the order of Rs. 243.45 Crores and the interest earned thereon during the year was Rs. 8.58 Crores as against Rs. 195.69 Crores and Rs. 6.10 Crores respectively during the preceding year (1978-79). The average rate of interest realised on the aggregate investment works out to 7.75 per cent per annum as against 8.20 per cent per annum for the preceding year.

Budget A. Div. I Nature of Investment	Investments made		Interest realised	
	Amount	Average No. of days	Amount	Average Rate p. a.
	Rs.		Rs.	
Fixed Deposits.	1,54,29,08,600	258.73	8,52,55,188	7.82%
Current Account Deposits.	89,16,03,046	6.61	5,61,934	3.49%
Aggregate	2,43,45,11,646	166.40	8,58,17,122	7.75%

The average rates of interest on Fixed Deposits and Current Account Deposits were 7.82 per cent and 3.49 per cent as against 8.30 per cent and 3.49 per cent for the preceding year respectively. The rates realised on Fixed Deposits ranged from 8 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. 1,17,67,00,105	1.97

The Interest earned during the year amounted to Rs. 2,22,369 as against Rs. 2,33,295 during 1978-79.

The average rate of interest realised on Current Account Deposits was 3.50 per cent as against 3.50 per cent of 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. 78,73,71,133	2.33

The interest earned on Current Account Deposits during the year amounted to Rs. 1,73,907 as against Rs. 1,40,374 during 1978-79.

The average rate of interest realised on Current Account Deposits was 3.50 per cent as against 3.49 per cent of 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. 1,69,06,259 and Rs. 2,00,55,231 respectively and the issues amounted to Rs. 1,94,32,074. The closing balance of General Stores was therefore Rs. 1,75,29,416 i. e. more by Rs. 6,23,157 than the opening balance.

As against this, the outstanding balance on 31st March 1980 according to Controller of Stores was Rs. 43,43,882. The difference of Rs. 1,31,85,534 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 acc. units of 1979-80. This amount of Rs. 1,31,85,534 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. 11,76,643 and Rs. 4,16,010 respectively and issues amounted to Rs. 5,42,116. The closing balance of General Stores Foras Road Depot was Rs. 10,50,537 i. e. less by Rs. 1,26,106 than the opening balance. As against this the outstanding balance on 31st March 1980 according to books of Executive Engineer Mechanical (South)'s Department is Rs. 4,14,876. The difference of Rs. 6,35,661 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. 2,79,86,669 together with the receipts of Capital Stores during the year viz. Rs. 3,97,43,875 aggregated to Rs. 6,77,30,544. As against this, issue during the year aggregated to Rs. 3,68,36,012 thus resulting in increase of Rs. 29,07,863 in the closing balance of Capital Stores viz. Rs. 3,08,94,532 compared with opening balance. As against this, the outstanding balance as on 31st March 1980 according to C. S. is Rs. 40,93,846. The opening balance and the receipts of Capital Stores Foras Road Depot were Rs. 3,90,496 and Rs. 1,47,324 respectively and the issues amounted to Rs. 2,03,500 thus resulting in decrease of Rs. 56,176 in the closing balance of Capital Stores. Foras Road Depot viz. Rs. 3,34,320 compared with opening balance. As against this, the outstanding balance as on 31st March 1980 according to books of Executive Engineer Mechanical (South)'s Department is Rs. 97,858.

**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.50,00,000 and the expenditure being Rs.15,72,474. This leaves a balance of Rs. 34,27,526. After deducting all ascertained time barred claims the undischarged commitments up to 31st March 1980 in regard to set backs already acquired and sanctioned to be acquired amount to Rs. 48,54,620.

**(SUBURBS)**

The Provision made in the Revised Loan Works Budget Estimates for meeting the claims on account of acquisition of set backs was Rs. 80,45,000 and the expenditure was Rs. 17,42,359. This leaves a balance of Rs. 63,02,641.

**(EXTENDED SUBURBS)**

The provision made in the Revised Loan Works Budget Estimates for meeting the claims on account of acquisition of setbacks was Rs. 33,60,000 and the expenditure was Rs. 16,29,498. This leaves a balance of Rs. 17,30,502.

**LEVELLING, METALLING ETC. PRIVATE STREETS**

17. The expenditure on the Improvements of Private Streets originally financed in the first instance from plant & Machinery Depreciation Fund pending recovery from the House owners, has been now cleared by taking equivalent advance from surplus Monies.

The following statement shows the figures of advance sanctioned, expenditure incurred and recoveries made during the last three years :—

Year	EXPENDITURE				Recoveries inclusive of interest and Supervision Charges.
	Actual expenditure of work.	Supervision Charges	Interest etc. Advances.	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.
1977-78 ..	96,308	14,445	..	1,10,753	12,351.75
1978-79 ..	..	..	..	..	24,472.61
1979-80 ..	..	..	..	..	305.99

Balance of supervision charges outstanding as on 31st March 1980 is Rs. 5,76,308.

**IMPROVEMENT SCHEMES****General Account****INCOME**

18. The total Income for the year amounted to Rs. 3,80,74,727 against Rs. 3,78,77,246 for the previous year showing the net increase of Rs. 1,97,481. This is made up of Increase of (1) Rs. 3,96,981 under I-Rent and Other Proceeds of properties, (2) Rs. 1,173 under IV-Interest and Profits on investments and (3) Rs. 99,761 under V-Misc. Receipts and under balanced by decrease of Rs. 3,00,434 under II-Contribution from Municipal Corporation.

**EXPENDITURE**

19. The total expenditure for the year aggregated to Rs. 4,51,28,081 as against Rs. 5,04,85,676 for the previous year showing an decrease of Rs. 53,57,595. This is made up of decrease of Rs. 57,60,790 under A—Maintenance of Properties and Streets counterbalanced by increase of Rs. 4,03,195 under D-Debt Charges. The expenditure of Rs. 4,51,28,081 comprises of expenditure of Rs. 3,13,67,121 under Maintenance of Properties and Streets and Rs. 1,37,60,960 under Debt Charges. The Deficit of Rs. 70,53,354 in the General Account is transferred to Capital Account.

20. The loan liabilities at the beginning of the year stood at Rs. 17,43,11,130. Rs. 16,93,998 were repaid to Government on the basis of equated payment and Rs. 27,38,500 were repaid out of Internal Loans. The outstanding Loan Liabilities at the close of the year thus stood at Rs. 16,98,78,632.

#### CAPITAL ACCOUNT

21. The opening deficit balance on 1st April 1979 was Rs. 2,06,82,378. During the year under report receipt on account of sale proceeds of lands and buildings amounted to Rs. 4,00,432. The total funds available were thus Rs. 4,00,432. The total expenditure incurred amounted to Rs. 1,34,51,149. The deficit in the General Account amounting to Rs. 70,53,354 was transferred to Capital Account. The deficit of Rs. 4,07,86,449 (Rs. 2,06,82,378 for the year 1978-79 and Rs. 2,01,04,071 for the year 1979-80) was met by taking an advance from Surplus money of Budget 'A' Div. I.

#### EXPENDITURE ON SCHEMES

22. The actual expenditure incurred during the year on schemes amounted to Rs. 1,34,51,149 as against the Revised Estimates of Rs. 3,37,53,000 included in the total amount of Rs. 3,70,54,520 which also consists of Rs. 33,01,520 on account of cost of Management and Establishment

#### SINKING FUND

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

Amount of Fund on 1st April, 1979.	Interest etc. realisation.	Sinking Fund Instalments.	Withdrawn for repayment of Loans.	Amount of Fund on 31st March 1980.
Rs.	Rs.	Rs.	Rs.	Rs.
10,64,53,298	55,84,937	27,02,789	27,38,500	11,20,02,524

The Sinking Fund as on 31st March 1980 amounts to Rs. 11,20,02,524 of which Rs. 11,20,02,453 represent the book value of the securities and Rs. 71 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, 1980 comes to Rs. 11,19,64,299. This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 4,62,777 and Cash with State Bank of India viz. Rs. 71 brings together the total amount of Sinking Fund to Rs. 11,24,27,147 against Rs. 8,00,63,990 the amount to which the Sinking Fund should have accumulated upto 31st March 1980. The excess in Sinking Fund investment account is thus Rs. 3,23,63,157.

24. The gross capital liabilities of the Improvement Schemes stood at Rs. 17,46,37,122 at the close of the year and the assets at Rs. 42,22,11,826 including the book value of the lands comprised in Schedule 'W' and 'X' resulting in surplus of Rs. 24,75,74,704.

#### SLUM CLEARANCE

#### GENERAL ACCOUNT

(City Section)

#### INCOME

25(1). The total Income for the year amounted to Rs. 29,06,851 against Rs. 31,31,543 for the previous year showing a net decrease of Rs. 2,24,692. This is made up of decrease of Rs. 38,903 under Rent and other proceeds of properties Counterbalanced by decrease of Rs. 2,63,595 under Interest and profit on investments.

#### EXPENDITURE

25(2). The expenditure for the year amounted to Rs. 65,76,970 against Rs. 73,33,299 for the previous year showing decrease of Rs. 7,56,329. This is made up of decrease of (1) Rs. 419 under Debt Charges and (2) Rs. 7,55,910 under Maintenance of Properties. The expenditure of Rs. 65,76,970 comprises of (1) Rs. 18,42,023 under Maintenance of Properties etc. and (2) Rs. 47,34,947 under Debt Charges. The net deficit of Rs. 36,70,119 is transferred to Capital Account.



## (Suburban Section)

## INCOME

25 (3). The total Income for the year amounted to Rs. 7,59,336 against Rs. 10,79,093 for the previous year showing a net decrease of Rs. 3,19,757. This is made up of decrease of Rs. 4,02,135 under III—Interest and Profit on investments Counter balanced by decrease of Rs. 38,942 under I—Rent and other proceeds of properties, Rs. 5,985 under (b) Receipts from Social Welfare Centere at S. G. Barve Na,ar and Rs. 37,451 under IV—Miscellaneous Receipts.

## EXPENDITURE

25 (4). The expenditure for the year amounted to Rs.52,67,636 as against Rs.56,15,883 for the previous year showing net decrease of Rs. 3,48,247. This is made up of decrease of Rs. 3,47,828 under Maintenance of properties etc. and (2) Rs. 419 under Debt Charges. The Expenditure of Rs. 52,67,636 comprises of (1) Rs. 10,41,897 under Maintenance of properties etc. and (2) Rs. 42,25,739 under Debt Charges. The net deficit of Rs. 45,08,300 is transferred to Capital Account.

## SLUM IMPROVEMENT

## GENERAL ACCOUNT

## INCOME

25 (5). The total Income for the year amounted to Rs. 3,84,62,846 against Rs. 4,09,61,194 for the previous year showing net decrease of Rs. 24,98,348. This is made up of decrease of (1) Rs. 19,33,173 under A—Hutment Colonies and (2) Rs. 5,65,175 under B—Contribution from Budget 'A'. The Income of Rs. 3,84,62,846 comprises of (1) Rs. 1,12,91,190 from Hutment colonies and (2) Rs. 2,71,71,656 contribution from Budget 'A'.

## EXPENDITURE

25 (6). The expenditure for the year amounted to Rs. 3,84,62,846 as against Rs. 4,09,61,194 for the previous year showing net decrease of Rs. 24,98,348. The expenditure of Rs. 3,84,62,846 comprises of (1) Rs. 3,68,48,312 on maintenance of Hutment colonies and (2) Rs. 16,14,534 on Debt Charges.

## CAPITAL ACCOUNT

## (City Section)

26 (1). The opening balance on 1st April 1979 was Rs. 20,41,755. No fresh loan was raised during the year. The total funds available for expenditure were thus Rs. 20,41,755. The total expenditure amounted to Rs. 2,17,740. The deficit in the General Account amounting to Rs. 36,70,119 was transferred to Capital Account. The deficit of Rs. 18,46,104 was met by taking an advance from Surplus money at Budget 'A' Div. I.

## SINKING FUND

26 (2). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April, 1979.	Interest etc. realisation.	Sinking Fund. Instalments.	Withdrawn for repayment of Loans.	Amount of Fund on 31st March 1980.
Rs.	Rs.	Rs.	Rs.	Rs.
1,44,88,421	8,68,438	11,20,858	..	1,64,77,717

The Sinking Fund on 31st March 1980 amounts to Rs. 1,64,77,717 of which Rs. 1,64,77,680 represent the Book Value of Securities and Rs. 37 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 1980 comes to Rs. 1,64,79,400.

This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 1,13,176 and cash with the State Bank of India viz. Rs. 37 brings the total amount of the Sinking Fund to Rs. 1,65,92,613 against Rs. 1,49,38,567 the amount to which Sinking Fund should have accumulated upto 31st March 1980. The excess in Sinking Fund Investment Account is thus Rs. 16,54,046.

### CAPITAL ACCOUNT

#### (Suburban Section)

26 (3). The Opening Balance on 1st April 1979 was Rs. 7,46,565. During the year under report the sale proceeds of lands and buildings amounted to Rs. 1,32,895. The total funds available for expenditure were thus Rs. 4,79,460. The total expenditure amounted to Rs. 4,32,400. The deficit in the General Account amounting to Rs. 45,08,300 was transferred to Capital Account. The deficit of Rs. 40,61,240 was met by taking an advance from surplus money of Budget 'A' Div—I

### SINKING FUND

26 (4). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1979.	Interest etc. realisation.	Sinking Fund Instalments.	Withdrawn for repayment of loans.	Amount of Fund on 31st March 1980.
Rs.	Rs.	Rs.	Rs.	Rs.
89,68,621	5,47,829	9,85,606	..	1,05,02,056

The Sinking Fund as on 31st March 1980 amounts to Rs. 1,05,02,056 of which Rs. 1,05,01,970 represent the book value of the securities and Rs. 86 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 1980 comes to Rs. 1,05,02,000. This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 63,424 and cash with the State Bank of India viz. Rs. 86 brings the total amount of the Sinking Fund to Rs. 1,05,65,510 against Rs. 95,87,928 the amount to which Sinking Fund should have accumulated upto 31st March, 1980. The excess in the Sinking Fund Investment Account is thus Rs. 9,77,582.

### CAPITAL ACCOUNT

#### (Slum Improvement)

26(5) The Opening Balance on 1st April 1979 was Rs. 7,97,011. During the year under report Reimbursement of capital expenditure from Maharashtra Slum Improvement Board was Rs. 32,60,450. The total funds available for expenditure were Rs. 40,57,461. The total expenditure amounted to Rs. 2,01,12,634. The deficit of Rs. 1,60,55,173 was met by taking an advance from surplus monies.

### SINKING FUND

26 (6). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1979.	Interest etc. realisation.	Sinking Fund Instalments.	Withdrawn for repayment of Loans.	Amount of Fund on 31st March 1980.
Rs.	Rs.	Rs.	Rs.	Rs.
7,52,191	46,742	3,64,534	..	11,63,467

The Sinking Fund as on 31st March 1979 amounts to Rs. 11,63,467 of which Rs. 11,63,400 represent the book value of the securities and Rs. 67 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 1980 comes to Rs. 11,63,400. This together with the amount of interest accrued upto 31st March 1980 viz. Rs. 194 and cash with the State Bank of India viz. Rs. 67 brings the total amount of the Sinking Fund to Rs. 11,63,661 against Rs. 11,60,725 the amount to which Sinking Fund should have accumulated upto 31st March 1980. The excess in the Sinking Fund Investment Account is thus Rs. 2,936.

## EDUCATION FUND

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

Revenue Budget 'E'	1979-80			Actuals for 1978-79
	Budget Estimates	Revised Estimates	Actuals	
Opening Balance ...	Rs. + 25,56,855	Rs. + 39,33,277	Rs. + 39,33,277	Rs. + 49,85,724
Income ...	25,23,76,160	23,00,69,190	22,85,04,409	22,25,73,200
Expenditure ...	25,49,12,097	23,39,68,880	23,24,51,954	21,62,85,329
Surplus or Deficit during the year (+) (-) ...	- 25,35,937	- 38,99,690	- 39,47,545	+ 62,87,871
Balance ...	+ 20,918	+ 33,587	- 14,268	1,12,73,595
Add—Decrease or Increase in Reservations as shown in (ii) below ...	...	...	+ 75,008	- 73,40,318
Closing Balance ...	+ 20,918 (Surplus)	+ 33,587 (Surplus)	+ 60,740 (Surplus)	+ 39,33,277 (Surplus)

Statement showing the comparative position between the Revised Estimates and the Actuals for the year 1979-80.

(Rs. in Lakhs)

Revenue Budget 'E'	Revised Estimates for 1979-80	Actuals for 1979-80	Difference Increase (+) Decrease (-)
Opening Balance ...	Rs. 39.33	Rs. 39.33	Rs. ...
Income ...	23,00.69	22,85.04	- 15.65
Expenditure ...	23,39.69	23,24.52	- 15.17
Surplus/Deficit (+) (-) ...	+ 0.33	- 0.15	- 0.48

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

Increase/Decrease (+) (-)	1979-80 Rs.	1978-79 Rs.
In Miscellaneous Advances ...	-82,75,008	+ 23,40,318
In Renewed Grants ...	+82,00,000	+ 50,00,000
Net Increase or Decrease (+) (-) ...	- 75,008	+ 73,40,318

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1980 was as under :—

Liability		Assets	
Miscellaneous Advance ...	Rs. 33,61,375	Surplus Revenue Fund as per Appendix No. 59 ...	Rs. 34,22,115
Minimum required by Law ...	20,000		
Surplus Cash Balance ...	40,740		
Total ...	34,22,115	Total ..	34,22,115

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

Opening Debt on 1st April 1979	Loan raised during the year	Repayment of Debt during the year	Outstanding Debt on 31st March 1980
Rs. 16,84,00,000	Rs. 2,75,00,000	Rs. —	Rs. 19,59,00,000

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

Amount of Fund on 1st April 1979	Interest etc. realised	Sinking Fund instalments	Total Sinking Fund	Withdrawal for Repayment of Loans	Amount of Fund on 31st March 1980
Rs. 3,20,41,044	Rs. 19,38,252	Rs. 69,43,109	Rs. 4,09,22,405	Rs. —	Rs. 4,09,22,405

Div.—I.

The value of Securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1980 including accrued interest and cash exceeded the actual amount of the Sinking Fund by Rs. 99,37,675 which is held in the Sinking Fund Account.

#### Income

(vi) The Estimated Income for the year was Rs. 25,23,76,160 and that as per the Revised Estimates was Rs. 23,00,69,190. The Actuals amounted to Rs. 22,85,04,409 resulting in decrease of Rs. 2,38,71,751 on the Budget Estimates and Rs. 15,64,781 on the Revised Estimates, respectively. The Decrease as per revised Estimate is mainly due to the Education cess Rs. 5,58,953, Grant-in-aid from government Rs. 13,49,130 and Miscellaneous Receipts Rs. 90,075, which is counter balanced by increase in Interest on Endowment Fund Rs. 11,128. Rent and Other Receipts Rs. 3,14,536 and interest and profit on Investment Rs. 1,07,713.

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

#### Expenditure

(vii) The final sanctioned Grants amounted in the aggregate to Rs. 28,81,40,827 as follows:—

	Rs.
Budget Grants	25,49,12,097
Unexpended Grants for previous years renewed for Expenditure	2,25,00,000
Additional Grants	1,07,28,730
Final sanctioned Grants	28,81,40,827

The transfers from one Budget Grant to another without affecting the total Budget provision of the year amounted to Rs. 2,77,500.

(viii) Against the Final Grant of the year aggregating to Rs. 28,81,40,827 as stated above, the Actuals amounted to Rs. 23,24,51,954 leaving an unexpended balance of Rs. 5,56,88,873 at the close of the year. Of this a sum of Rs. 3,07,00,000 is being renewed for expenditure during 1980-81 against Rs. 2,25,00,000 in 1979-80, and balance of Rs. 2,49,88,873 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 1979-80 as compared with the previous year's percentage is given below:—

Establishment	Establishment Cost	Percentage to the total expenditure during	
		1979-80	1978-79
	Rs.		
(1) Supervisory and Subordinate	17,54,59,139	75.48	75.31
(2) Labour Technical and Others	1,74,55,477	7.51	7.62
Total	19,29,14,616	82.99	82.93

#### Loan Funds

(x) The opening balance on 1st April 1979 on account of Loan Funds excluding the Trust Fund was Rs. 96,97,294. The amount of new loan proposed in the Budget for 1979-80 was Rs. 250 lacs. A loan of Rs. 275 lacs was raised during the year. The total Loan Fund available for expenditure during the year thus amounted to Rs. 3,71,97,294.

The expenditure incurred on Loan Works during the year amounted to Rs. 1,52,11,864. Leaving an unexpended balance of Rs. 2,19,85,430 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:—

Year	LOAN AND TRUST FUND			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1977-78	5,09,52,000	5,09,39,900	2,46,50,867	48.0	48.0
1978-79	6,75,59,000	5,84,17,000	2,69,64,000	40.0	46.9
1979-80	7,73,05,800	5,38,94,200	1,52,11,864	19.7	28.2

The percentage of actual expenditure to the funds available works out to 40.9

#### SINKING FUND

(xii) The book value of investments of Sinking Fund as on 31st March 1980 amounted to Rs. 4,09,22,405 made up of Rs. 4,00,22,341 in Securities and Rs. 64 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 1980 comes to Rs. 4,09,21,888. This together with the amount of interest accrued upto 31st March 1980, viz Rs. 6,05,975 and cash with the State Bank of India of Rs. 64 brings the total amount of Sinking Fund to Rs. 4,15,27,927 and more than covers the amount of Rs. 3,15,90,252 to which the sinking fund should have accumulated upto 31st March 1980. The excess in Sinking Fund Account was Rs. 99,37,675.

M. V. KANEKAR  
Chief Accountant

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

Particulars.	1975-76.	1976-77.	1977-78.	1978-79	1979-80.
<i>General</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	438.2763	433.1963	438.1963	433.1963	438.2256
2. Population ...	*§ 59,70,575	*§ 59,70,575	*§ 59,70,575	*§ 59,70,575	*§ 59,70,575
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	1,20,63,57,032	1,34,32,51,792	1,36,11,55,271	1,37,76,35,838	1,46,14,18,814
4. Rateable value Rs. per head of population.	Rs. 202.05	Rs. 224.98	Rs. 227.98	Rs. 230.74	Rs. 244.77
5. Properties registered in the Assessment Book	2,27,882	2,19,351	2,17,461	1,97,652	1,97,073
<i>Income.</i>					
6. General Tax (@24% of R.V.) ...	Rs. 24,52,81,650	Rs. 26,89,11,723	Rs. 29,63,69,649	Rs. 29,21,51,377	Rs. 31,87,11,060
7. Income from other sources ...	45,87,59,475	65,67,08,566	75,29,68,516	81,18,07,994	93,53,07,521
Total Income	70,40,41,125	92,56,20,289	1,04,93,38,195	1,10,39,59,371	1,25,40,79,481
8. Incidence of Taxation per head	§§ 95.50	§§ 130.42	§§ 142.99	§§ 152.43	§§ 175.62
<i>Loans.</i>					
9. Debt outstanding ...	Rs. 67,83,68,419	Rs. 83,25,96,283	Rs. 1,03,85,04,450	Rs. 1,21,08,93,799	Rs. 1,42,19,18,260
10. Redemption and Sinking Funds in hand or invested ...	17,89,12,846	20,58,42,401	25,69,70,703	26,36,65,127	28,60,38,239
11. Net Loan Debt ...	49,94,55,573	62,67,53,882	78,15,33,747	94,72,28,672	1,13,58,80,021
12. Net Debt per head of population ...	83.65	104.97	130.90	158.65	190.25
<i>Expenditure</i>					
13. Primary Education ...	Rs. 12,40,72,203	Rs. 12,15,73,726	Rs. 14,10,33,928	Rs. 13,93,09,854	Rs. 14,23,58,157
14. Medical Relief ...	18,11,70,570	18,31,60,725	21,41,48,410	22,46,79,071	25,48,05,751
15. Other City services ...	37,54,83,857	44,81,06,451	60,70,32,041	58,32,79,672	59,50,40,103
16. Debt Charges ..	6,21,17,289	7,27,09,990	9,17,37,674	11,19,62,551	14,75,47,063
Total Expenditure ...	74,28,43,919	82,55,70,892	1,05,39,52,053	1,05,92,31,148	1,13,97,51,079

\* 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.

APPENDIX No. 2

(Consolidated)

Revenue Account for the year ended 31st March 1980

Particulars	Total	Particulars.	Total.
	Rs. P.		Rs. P.
To Revenue Expenditure ...	1,13,97,51,079.89	By Revenue Receipts ...	1,25,40,79,480.98
By Revenue Surplus	11,43,28,401.09		
	1,25,40,79,480.98		1,25,40,79,480.98
	Rs. P.		Rs. P.
To Revenue Expenditure to be incurred in 1980-81 and provided for as renewed grants ...	7,50,00,000.00	By Surplus Revenue Fund as at 1st April 1979 ...	16,77,03,334.64
To Balance being Surplus Revenue Fund as at 31st March 1980 as per Appendix No. 5 of Division I +	1,02,69,63,957.84	By Surplus for the year ...	11,43,28,401.09
" II -	50,78,83,642.83		28,20,31,735.73
" III -	24,20,48,579.28	By Revenue of previous years reserved for the year 1979-80 ...	7,00,00,000.00
	27,70,31,735.73		7,00,00,000.00
	35,20,31,735.73		35,20,31,735.73

Appendix No. 5  
(Consolidated)

Revenue Account, Balance Sheet as at 31-3-1950

LIABILITIES	AMOUNT		ASSETS	AMOUNT	
	Rs.	P.		Rs.	P.
(A) Outstanding liabilities			Cash at Bank—		
Cash Bill Outstanding			Div. I (Dr.)	42,43,627.52	
Budget 'A' Div. I	18,35,366.93		Div. II (Dr.)	23,71,712.27	
.. II	1,74,35.64		Div. III (Dr.)	52,02,042.96	
.. III	1,43,421.85				Dr.
		14,53,724.40			1,18,19,373.05
Cheques Payable A/c			Cash in Office—		
Budget 'A' Div. I	2,74,89,527.99		Div. I	4,29,628.53	
.. II	46,27,033.16		Div. II	2,87,43,509.41	
.. III	11,78,598.83		Div. III	1,05,72,382.26	
		3,32,95,190.98			8,22,81,362.98
Stores Purchase Outstanding A/c		14,01,361.96	Security Deposit in G. P. Notes with S. P. I.		20,20,00.00
Stock Adjustment A/c		1,51,087.49	Municipal Loans-Interest Warrant Payable Account		
Capital Stores Purchase A/c (Foras Rd)		372.56	Budget 'A' Div. I	55,219.06	
Outstanding charges for 1979-80 and previous years			.. II	1,13,666.25	
Budget 'A' Div. I	4,25,00,000.00		.. III	2,326.00	
.. II	2,00,00,000.00				1,71,211.31
.. III	1,25,00,000.00	7,50,00,000.00	B.I.T. Loans Interest Warrant Payable Account		6,754.55
Outstanding charges in respect of interest accrued but not paid			Interest on B.I.T. Loans payable Account		760.00
Budget 'A' Div. I	68,55,991.83		Current Account with State Bank of India for payment of interest on Suburban Loan		
.. II	65,26,211.14		Budget 'A' Div. II	49,601.9	
.. III	37,1,001.21	1,71,74,207.18	.. III	4,263.89	
Deposit in Cash and Public Securities from contractors and Private Parties					95,865.66
Budget 'A' Div. I	32,63,90,160.06		Current Account with State Bank of India for repayment payable A/c		11,500.00
.. II	35,01,76,662.5		Dr. for Stores Sold		3,18,62,189.2
.. III	14,86,64,746.72	82,52,31,569.3	Advances Recoverable Account		
Interest on loans payable A/c			Budget 'A' Div. I	20,79,84,443.39	
Budget 'A' Div. I	9,34,678.00		.. II	6,95,81,110.27	
.. II	4,88,868.12		.. III	1,79,63,988.87	
.. III	2,17,016.25	16,40,562.27			29,55,37,542.53
Amount Payable to Budget 'E'		6,29,46,152.05	Reserve Stores purchase A/c		84,954.10
Amount Payable to Budget G		36,94,93,740.81	Reserve Stores A/c Stock		29,07,62.68
			Capital Stores Purchase A/c		78,3,113.42
			Unadjusted Reserve Stores A/c		1,31,85,534.8
			Stock		6,35,660.68
			Unadjusted Reserve Stores A/c		
			Stores (F. R.)		
			Advances from Surplus Monies or welling installation of Private Streets		31,70,391.86
			Advances from Surplus Monies for Capital Account Improvement Scheme S.P. City/Subs. & S.I. Im. t		6,27,48,963.38
			Deposit in Securities from public with State Bank of India		
			Budget 'A' Div. I	87,70,300.00	
			.. II	7,05,940.12	
			.. III	3,58,550.0	
					98,34,790.12
			In Office		
			Budget 'A' Div. I	5,10,050.00	
			.. II	5,82,450.00	
			.. III	9,37,575.00	
					20,30,075.00
			Investment of Surplus Monies in Public Securities		38,813.14
			Investments of Balance held—		
			In Securities	9,98,85,567.18	
			In Fixed Deposits	84,05,17,200.00	
			In Interest bearing Current A/c	45,94,920.8	
			In Cash with S. B. I.	1,60,745.7	
					39,51,58,433.85
Total C. F.		138,77,91,908.17	Total C. F.		38,77,91,908.07

## Appendix No. 5—Contd.

(Consolidated)

LIABILITIES	AMOUNT		ASSETS	AMOUNT			
	Rs.	P.		Rs.	P.	Rs.	P.
Total—B.O.			1,38,77,91,908.00			1,38,77,91,908.07	
(B) Special Fund Account.							
Municipal Fire and Accident Insurance Fund A/c.			57,60,365.79	Investment of Special Funds in Advance for purchase of Plant and Machinery.			
Net Premium Fund Account			13,42,697.33				
Provident Fund Account			31,70,42,121.51				
Hospital Fund Account—Budget 'A' Division							
I	20,14,383.72			Municipal Fire and Accident Insurance Fund		3,03,686.62	
II	1,41,691.87			Hospital Fund		1,28,221.49	
III	94,500.00		22,50,575.59	Land R. A. Fund		11,36,018.76	
Welfare Fund			...				
G.S.M. College K.E.M. Hospital Research Fund Account			8,45,243.29				
Fidelity Guarantee Insurance Fund A/c.			7,72,376.23	Total—Advances		15,67,926.87	
Motor Vehicles (Third party) Insurance Fund A/c.			10,32,223.64	Investment of Special Funds in Securities.			
Land R. A. Fund Account			1,58,93,493.86	Provident Fund		51,76,42,075.81	
Pension Fund Account			23,77,66,227.28	Fidelity Guarantee Ins. Fund		7,72,300.00	
Gratuity Fund Account			15,33,627.32	Motor Vehicles (Third Party) Ins Fund		9,82,200.00	
Public Monument Maintenance Fund Account — Budget 'A' Division; I	1,22,912.44			Endowment Fund		13,60,884.29	
II	16,317.94		1,39,230.38	Public Monument Maintenance Fund			
Endowment Fund Account			14,05,097.44	Budget 'A' Division; I	1,22,820.44		
Fire Brigade Employees (Operational Staff) Accident Compensation Fund			1,94,063.23	II	16,300.00		1,39,120.44
Development Fund for Secondary Schools			29,58,403.07	Hospital Fund—Budget 'A' Division; II	1,41,600.00		
Tree Authority Fund			13,19,281.72	III	94,500.00		2,36,100.00
Total—Special Fund A/c.			79,13,54,427.64	Total—Inv. in Securities		52,11,32,68.54	
				Investment of Special Fund in Fixed Deposit and Cash etc.			
				Municipal Fire and Accident Insurance Fund		54,56,679.17	
				Net Premium Fund		18,42,697.33	
				Provident Fund		45.70	
				Hospital Fund			
				Budget 'A' Division; I	18,86,162.23		
				II	91.87		18,86,254.10
Total—C.F.			19,91,46,335.71	Total C.F.		91,85,676.30	
				Total—C.F.		1,38,77,91,908.07	



**Appendix No. 5—(Concl'd.)**  
**(Consolidated)**

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
Total B.O...			Total B.O. ...		
		2 17,91,46,335.71	Total B.O. ...		1,39,77,91,901.07
					91,85,67,530
			Welfare Fund ...		...
			G. S. M. College and K. E. M. Hospital Research Fund ..		8,45,243.79
			Fidelity Guarantee Insurance Fund		76.23
			Land R. A. Fund ..		1,47,57,475.10
			Motor Vehicle (Third Party) Insurance Fund ..		5,21.61
			Pension Fund ..		23,77,6,227.28
			Gratuity Fund ..		15,33,027.32
			Endowment Fund ..		44,213.15
			Public Monuments Maintenance Fund. Budget 'A' Div. I ..	92.00	
			" " II ..	17.94	
					109.94
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..		1,91,063.23
			Development Fund for Secondary Schools ..		29,58,403.07
			Tree Authority Fund ..		1,19,281.72
			Total Investment in Fixed Deposits and in Cash ..		25,86,53,920.23
			Total Investment Special Fund		79,13,54,427.64
(C) Surplus Revenue Fund A/c. Budget 'A' Div. I ..	1,02,69,63,957.84		Investment of Surplus Revenue Fund		
Deficit " " II ..	50,78,83,642.83		General Reserve Stores Account Stock—(App. 17) ..		47,58,758.36
Deficit " " III ..	24,20,48,579.28		Plant & Machinery Purchased out of S.C.B. Div. III ..		11,576.51
		27,70,31,735.73	Advances out of S.C.B. Budget 'A' Div. I ..	9,20,67,720.47	
			" " II ..	4,95,32,913.41	
			" " III ..	2,44,48,657.41	
					16,60,49,371.34
			Investments of Balance held—		
			In Securities ..		
			In Fixed Deposits ..	10,50,00,000.00	
			In Interest bearing Current A/c. ..	12,00,000.00	
			In Cash with SBI ..	12,29.70	10,62,12,029.70
			Total Surplus Revenue Fund ..		27,70,31,735.73
Grand Total..		2,45,61,78,071.44	Grand Total ..		2,45,61,78,071.44

*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	3,90,00,139.98	94,55,17,200.00	57,94,769.29	92,142.99	99,04,04,252.26
Division II	7,72,917.20	...	86.44	49,725.07	8,22,729.71
Division III	1,12,510.00	..	65.15	30,506.43	1,43,481.58
Total	3,93,85,567.18	94,55,17,200.00	57,94,920.88	1,72,775.49	99,13,70,463.55

APPENDIX No. 7 (Consolidated)  
CAPITAL FUND BALANCE SHEET AS AT 31ST MARCH 1980 (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 ..		62,77,71,220.54	52,26,95,055.00	26,98,84,048.00	1,42,03,50,333.54					
Advances from Special Funds ..		15,67,926.87	..	..	15,67,926.87					
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					
Reserv 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					
<b>SURPLUS—</b>										
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans ..		41,54,38,435.21	12,96,42,050.80	7,73,94,092.49	62,24,74,578.50					
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 ..	36,49,67,892.32		6,97,51,709.57	1,21,44,580.00	44,69,64,181.89					
Less : Assets written off ..	5,98,00,594.74		2,71,934.56	..	6,00,72,529.30					
		30,51,67,297.58	6,94,79,775.01	1,21,44,580.00	38,67,91,652.59					
					1,03,79,07,304.64					
<b>Grand Total</b> ..		1,37,79,09,009.95	72,25,42,106.50	35,94,22,720.49	2,45,98,73,836.94	<b>Grand Total</b> ..	1,37,79,09,009.95	72,25,42,106.50	35,94,22,720.49	2,45,98,73,836.94

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

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31st MARCH 1979.				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1979-80				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31st MARCH 1980.			
	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.	3,54,89,715	1,35,21,873	44,06,124	5,34,17,712	28,55,010	18,56,517	12,18,288	59,30,415	3,83,45,325	1,53,78,390	56,24,412	5,93,48,127
III.—Education, Primary	27,98,012	1,24,024	..	29,22,036	..	..	..	..	27,98,012	1,24,024	..	29,22,036
IV.—Free Reading Rooms etc.	15,68,199	67,040	..	16,35,239	..	..	..	..	15,68,199	67,040	..	16,35,239
V.—Public Health Department	1,81,90,972	66,21,441	16,76,714	2,64,89,127	5,29,812	19,09,891	27,700	24,67,403	1,87,20,784	85,31,332	17,04,414	2,89,56,530
VI.—Medical Relief & Education	12,25,60,377	4,55,99,436	2,22,60,071	19,04,19,884	1,29,51,034	87,91,915	13,06,439	2,30,49,388	13,55,11,411	5,43,91,351	2,35,66,510	21,34,69,272
VII.—Street Cleansing and Conservancy	2,04,00,963	67,93,373	1,16,61,890	3,88,56,226	23,90,520	26,03,290	24,17,677	74,11,487	2,27,91,483	93,96,663	1,40,79,567	4,62,67,713
VIII.—S. W. Drains etc.	26,36,38,230	22,53,70,708	10,41,41,502	59,31,50,440	26,82,180	78,67,576	35,49,964	1,40,99,720	26,63,20,410	23,32,38,284	10,76,91,466	60,72,50,160
IX.—Mechanical	37,11,597	50,501	17,075	37,79,173	Cr. 13,27,648	..	..	Cr. 13,27,648	23,83,949	50,501	17,075	24,51,525
X.—Bldgs, Land Acqn. etc.	10,05,18,504	3,25,14,596	79,72,614	14,10,05,714	48,25,928	1,03,56,078	44,19,580	1,96,01,586	10,53,44,432	4,28,70,674	1,23,92,194	16,06,07,300
XI.—Fire Brigade	96,13,850	17,33,101	43,93,483	1,57,40,434	1,32,408	10,98,151	21,061	12,51,620	97,46,258	28,31,252	44,14,544	1,69,92,054
XII.—Licensing, Removal of Encroachments	4,28,143	..	..	4,28,143	5,96,228	..	..	5,96,228	10,24,371	..	..	10,24,371
XIII.—Gardens & Open Spaces	2,27,69,610	97,98,456	65,01,221	3,90,69,287	17,47,014	18,32,728	10,01,248	45,80,990	2,45,16,624	1,16,31,184	75,02,469	4,36,50,277
XIV.—Markets & Slaughter Houses	9,29,24,944	1,97,52,695	36,26,456	11,63,04,095	29,09,004	20,27,163	3,00,439	52,36,606	9,58,33,948	2,17,79,858	39,26,895	12,15,40,701
XV.—Slum Service	50,75,492	42,81,463	12,58,215	1,06,15,170	..	2,34,415	..	2,34,415	50,75,492	45,15,878	12,58,215	1,08,49,585
XVI.—Measures for Civil Defence	1,87,148	..	..	1,87,148	..	..	..	..	1,87,148	..	..	1,87,148
XVII.—Greater Bombay	2,81,069	..	..	2,81,069	..	..	..	..	2,81,069	..	..	2,81,069
XVIII.—Industrial Estates	1,03,90,091	80	..	1,03,90,171	1,37,190	..	..	1,37,190	1,05,27,281	80	..	1,05,27,361
XXIII.—Traffic Operations	5,58,41,200	8,26,50,476	5,12,53,586	18,97,45,262	2,25,07,454	3,48,93,865	2,04,68,950	7,78,70,269	7,83,48,654	11,75,44,341	7,17,22,536	26,76,15,531
XXIV.—Measures to control environmental air pollution in Greater Bombay.	12,87,959	..	..	12,87,959	17,98,057	..	..	17,98,057	30,86,016	..	..	30,86,016
Suspense Account, Mechanical Transport	98,147	92,88,473	..	93,86,620	37,441	3,36,480	..	3,73,921	1,35,588	96,24,953	..	97,60,541
Plant and Machinery out of different Special Funds	50,62,010	1,21,93,109	3,74,134	1,76,29,253	Cr. 34,38,260	..	..	Cr. 34,38,260	16,23,750	1,21,93,109	3,74,134	1,41,90,593
Plant and Machinery out of Loan Funds	4,36,01,482	43,15,913	22,65,125	5,01,82,520	85,24,470	Cr. 28,06,006	10,87,546	68,06,610	5,21,25,952	15,09,907	33,52,671	5,69,88,530
Centenary Celebration Works	..	34,87,927	16,70,291	51,58,218	..	1,08,945	15,97,191	32,06,136	..	50,96,872	32,67,482	83,64,354
Municipal Power Laundry	..	982	..	982	..	650	..	..	..	1,632	..	1,632
Discount & Other charges on Loans	2,47,514	..	45,223	2,92,737	..	..	..	..	2,47,514	..	45,223	2,92,737
Total (1) Loan Fund	81,66,86,210	47,81,64,685	22,35,23,724	1,51,83,74,619	5,98,59,092	7,26,11,003	3,74,16,083	16,58,86,183	87,65,45,302	55,07,75,693	26,09,39,807	1,68,82,60,802
(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	..	..	..	..	..	..	..	..	..	..	..	..
Land purchased and Buildings erected	43,03,044	..	..	43,03,044	..	..	..	..	43,03,044	..	..	43,03,044
Grand Total	82,93,13,083	47,84,92,093	22,35,23,724	1,53,13,28,900	5,98,59,092	7,26,11,008	3,74,16,083	16,98,86,183	88,91,72,175	55,11,03,101	26,09,39,807	1,70,12,15,083

## APPENDIX No. II

(CONSOLIDATED)<sup>1</sup>

Outstanding Balances of Loans on 31st March 1980 pertaining to Budget 'A'

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1980	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1980.
1	2	3	4	1	2	3	4
			Rs.				Rs.
	<b>BUDGET 'A' DIV. I</b>				<b>BUDGET 'A' DIV. II</b>		
	Loans raised from Public				Loans raised from Public		
1	Rs. 10 lakhs Loan (1920) ...	5 %	10,00,000.00	42	Rs. 10 lakhs Loan 1960-61 ...	41%	10,00,000.00
2	Rs. 80 lakhs Loan 1950-51 ...	3½%	80,00,000.00	43	Rs. 50 lakhs Loan 1961-62 ...	41%	50,00,000.00
3	Rs. 130 lakhs Loan 1956-57 ...	4 %	1,30,00,000.00	44	Rs. 50 lakhs Loan 1963-64 ...	41%	50,00,000.00
4	Rs. 100 lakhs Loan 1957-58 ...	4½%	1,00,00,000.00	45	Rs. 70 lakhs Loan 1964-65 ...	41%	70,00,000.00
5	Rs. 100 lakhs Loan 1958-59 ...	4½%	1,00,00,000.00	46	Rs. 50 lakhs Loan 1965-66 ...	6 %	50,00,000.00
6	Rs. 170 lakhs Loan 1950-61 ...	4½%	1,70,00,000.00	47	Rs. 50 lakhs Loan 1966-67 ...	6 %	50,00,000.00
7	Rs. 225 lakhs Loan 1961-62 ...	4½%	2,25,00,000.00	48	Rs. 50 lakhs Loan 1967-68 ...	6 %	50,00,000.00
8	Rs. 150 lakhs Loan 1952-63 ...	4½%	1,50,00,000.00	49	Rs. 75 lakhs Loan 1968-69 ...	6 %	82,50,000.00
9	Rs. 235 lakhs Loan 1963-64 ...	4½%	2,35,00,000.00	50	Rs. 50 lakhs Loan 1968-69 ...	6 %	50,00,000.00
10	Rs. 100 lakhs Loan 1964-65 ...	4½%	1,00,00,000.00	51	Rs. 100 lakhs Loan 1969-70 ...	6 %	1,10,00,000.00
11	Rs. 300 lakhs Loan 1965-66 ...	6 %	3,00,00,000.00	52	Rs. 220 lakhs Loan 1970-71 ...	6 %	2,42,00,000.00
12	Rs. 200 lakhs Loan 1965-66 ...	6 %	2,00,00,000.00	53	Rs. 170 lakhs Loan 1970-71 ...	6 %	1,87,00,000.00
13	Rs. 400 lakhs Loan 1966-67 ...	6 %	4,00,00,000.00	54	Rs. 350 lakhs Loan 1971-72 ...	6 %	3,85,00,000.00
14	Rs. 250 lakhs Loan 1965-67 ...	6 %	2,50,00,000.00	55	Rs. 150 lakhs Loan 1972-73 ...	6 %	1,65,00,000.00
15	Rs. 800 lakhs Loan 1967-68 ...	6 %	8,00,00,000.00	56	Rs. 100 lakhs Loan 1972-73 ...	6 %	1,00,00,000.00
16	Rs. 400 lakhs Loan 1968-69 ...	6 %	4,40,00,000.00	57	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,10,00,000.00
17	Rs. 300 lakhs Loan 1968-69 ...	7 %	3,00,00,000.00	58	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,00,00,000.00
18	Rs. 325 lakhs Loan 1968-69 ...	6 %	3,25,00,000.00	59	Rs. 150 lakhs Loan 1974-75 ...	6½%	1,65,00,000.00
19	Rs. 550 lakhs Loan 1969-70 ...	6 %	6,15,98,000.00	60	Rs. 100 lakhs Loan 1974-75 ...	6 %	1,00,00,000.00
20	Rs. 600 lakhs Loan 1969-70 ...	7 %	6,00,00,000.00	61	Rs. 150 lakhs Loan 1975-76 ...	6½%	1,65,00,000.00
21	Rs. 100 lakhs Loan 1970-71 ...	6 %	1,15,41,000.00	62	Rs. 250 lakhs Loan 1975-76 ...	6½%	2,50,00,000.00
22	Rs. 370 lakhs Loan 1971-72 ...	6 %	4,07,00,000.00	63	Rs. 230 lakhs Loan 1975-77 ...	6½%	2,20,00,000.00
23	Rs. 260 lakhs Loan 1972-73 ...	6 %	2,86,00,000.00	64	Rs. 300 lakhs Loan 1975-77 ...	6½%	3,00,00,000.00
24	Rs. 200 lakhs Loan 1972-73 ...	6 %	2,00,00,000.00	65	Rs. 250 lakhs Loan 1975-77 ...	6½%	2,50,00,000.00
25	Rs. 400 lakhs Loan 1972-73 ...	6 %	4,00,00,000.00	66	Rs. 600 lakhs Loan 1977-78 ...	6½%	6,00,00,000.00
26	Rs. 400 lakhs Loan 1973-74 ...	6 %	4,40,00,000.00	67	Rs. 450 lakhs Loan 1973-79 ...	6½%	4,95,00,000.00
27	Rs. 250 lakhs Loan 1973-74 ...	6 %	2,50,00,000.00	68	Rs. 250 lakhs Loan 1973-79 ...	6½%	2,50,00,000.00
28	Rs. 250 lakhs Loan 1974-75 ...	6½%	2,50,00,000.00	69	Rs. 850 lakhs Loan 1973-80 ...	6 %	9,35,00,000.00
29	Rs. 150 lakhs Loan 1974-75 ...	6½%	1,65,00,000.00		Total ...		56,51,50,000.00
30	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,10,00,000.00		Less: Loan amount transferred to Budget 'G' ...		-4,24,54,935.00
31	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,00,00,000.00		Total Div. II ...		52,26,95,065.00
32	Rs. 225 lakhs Loan 1976-77 ...	6½%	2,47,50,000.00		<b>BUDGET 'A' Div. III</b>		
33	Rs. 300 lakhs Loan 1976-77 ...	6½%	3,00,00,000.00		Loan raised from Public—		
34	Rs. 400 lakhs Loan 1977-78 ...	6½%	4,40,00,000.00	70	Rs. 25 lakhs Loan 1957-58 ...	4½%	25,00,000.00
35	Rs. 400 lakhs Loan 1977-78 ...	7½%	4,00,00,000.00	71	Rs. 20 lakhs Loan 1958-59 ...	4½%	20,00,000.00
36	Rs. 80 lakhs Loan 1978-79 ...	6½%	88,00,000.00	72	Rs. 10 lakhs Loan 1960-61 ...	4½%	10,00,000.00
37	Rs. 150 lakhs Loan 1978-79 ...	6½%	1,50,00,000.00	73	Rs. 25 lakhs Loan 1964-65 ...	4½%	25,00,000.00
38	Rs. 500 lakhs Loan 1978-79 ...	8 %	5,00,00,000.00	74	Rs. 50 lakhs Loan 1965-66 ...	6 %	50,00,000.00
39	Rs. 150 lakhs Loan 1979-80 ...	6 %	1,65,00,000.00	75	Rs. 40 lakhs Loan 1966-67 ...	6 %	40,00,000.00
40	Rs. 550 lakhs Loan 1979-80 ...	7 %	5,50,00,000.00	76	Rs. 20 lakhs Loan 1967-68 ...	6 %	20,00,000.00
41	US \$ 4.54 Millions Loan from World Bank (I B R D) thro. BMRDA ...	9.2%	1,23,87,203.44	77	Rs. 55 lakhs Loan 1966-67 ...	6 %	55,00,000.00
	Total ...		1,12,18,76,203.44	78	Rs. 75 lakhs Loan 1969-70 ...	6 %	82,50,000.00
	Less: Loan amount transferred to Budget 'G' ...		49,41,04,982.90	79	Rs. 165 lakhs Loan 1970-71 ...	6 %	1,81,50,000.00
	Total Div. I ...		62,77,71,220.54	80	Rs. 115 lakhs Loan 1970-71 ...	6 %	1,26,50,000.00
				81	Rs. 150 lakhs Loan 1971-72 ...	6 %	1,65,00,000.00
				82	Rs. 150 lakhs Loan 1972-73 ...	6 %	1,65,00,000.00
				83	Rs. 100 lakhs Loan 1972-73 ...	6 %	1,00,00,000.00
				84	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,10,00,000.00
				85	Rs. 50 lakhs Loan 1973-74 ...	6 %	50,00,000.00
				86	Rs. 50 lakhs Loan 1974-75 ...	6½%	55,00,000.00
				87	Rs. 50 lakhs Loan 1974-75 ...	6½%	50,00,000.00
				88	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,10,00,000.00
				89	Rs. 50 lakhs Loan 1975-76 ...	6½%	50,00,000.00
				90	Rs. 150 lakhs Loan 1976-77 ...	6½%	1,37,50,000.00
				91	Rs. 125 lakhs Loan 1976-77 ...	6½%	75,00,000.00
				92	Rs. 75 lakhs Loan 1976-77 ...	6½%	1,50,00,000.00
				93	Rs. 400 lakhs Loan 1977-78 ...	6½%	4,40,00,000.00
				94	Rs. 300 lakhs Loan 1978-79 ...	6½%	3,30,00,000.00
				95	Rs. 425 lakhs Loan 1979-80 ...	6 %	4,47,50,000.00
					Total ...		30,90,50,000.00
					Less: Loan amount transferred to Budget 'G' ...		-3,91,65,952.00
					Total Div. III ...		26,98,84,048.00
					<b>Grand Total Budget 'A' ...</b>		<b>1,42,03,50,333.54</b>

Outstanding Balances of Advances taken from Special Funds under Budget 'A', as at 31st March 1980.

BUDGET 'A', Division I, Advance from—

	Rs.	Rs.
Municipal Fire and Accident Insurance Fund	...	3,03,686.62
Net Premia Fund	...	...
G. S. M. College and K. E. M. Hospital Research Fund	...	...
Hospital Fund	...	...
Land (Reclamation and Acquisition) Fund	...	1,28,221.49
	...	11,36,018.76
Less—Amount of the Advances transferred to Budget 'G'	...	15,67,926.87
Total—Outstanding balance of Advances as on 31st March 1980	...	15,67,926.87

## APPENDIX No. II

(CONSOLIDATED)

Outstanding Balances of Loans on 31st March 1980 pertaining to Budget 'A'

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1980	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1980
1	2	3	4	1	2	3	4
	<b>BUDGET 'A' DIV. I</b> Loans raised from Public		Rs.		<b>BUDGET 'A' DIV. II</b> Loans raised from Public		Rs.
1	Rs. 10 lakhs Loan (1920) ...	5 %	10,00,000.00	42	Rs. 10 lakhs Loan 1960-61 ...	4½%	10,00,000.00
2	Rs. 80 lakhs Loan 1950-51 ...	3½%	80,00,000.00	43	Rs. 50 lakhs Loan 1961-62 ...	4½%	50,00,000.00
3	Rs. 130 lakhs Loan 1956-57 ...	4 %	1,30,00,000.00	44	Rs. 50 lakhs Loan 1963-64 ...	4½%	50,00,000.00
4	Rs. 100 lakhs Loan 1957-58 ...	4½%	1,00,00,000.00	45	Rs. 70 lakhs Loan 1964-65 ...	4½%	70,00,000.00
5	Rs. 100 lakhs Loan 1958-59 ...	4½%	1,00,00,000.00	46	Rs. 50 lakhs Loan 1965-66 ...	6 %	50,00,000.00
6	Rs. 170 lakhs Loan 1960-61 ...	4½%	1,70,00,000.00	47	Rs. 50 lakhs Loan 1956-67 ...	6 %	50,00,000.00
7	Rs. 225 lakhs Loan 1961-62 ...	4½%	2,25,00,000.00	48	Rs. 50 lakhs Loan 1967-68 ...	6 %	50,00,000.00
8	Rs. 150 lakhs Loan 1962-63 ...	4½%	1,50,00,000.00	49	Rs. 75 lakhs Loan 1968-69 ...	6 %	50,00,000.00
9	Rs. 235 lakhs Loan 1963-64 ...	4½%	2,35,00,000.00	50	Rs. 50 lakhs Loan 1968-69 ...	6 %	82,50,000.00
10	Rs. 100 lakhs Loan 1964-65 ...	4½%	1,00,00,000.00	51	Rs. 100 lakhs Loan 1969-70 ...	6 %	50,00,000.00
11	Rs. 300 lakhs Loan 1965-66 ...	6 %	3,00,00,000.00	52	Rs. 220 lakhs Loan 1970-71 ...	6 %	1,10,00,000.00
12	Rs. 200 lakhs Loan 1965-66 ...	6 %	2,00,00,000.00	53	Rs. 170 lakhs Loan 1970-71 ...	6 %	2,42,00,000.00
13	Rs. 400 lakhs Loan 1966-67 ...	6 %	4,00,00,000.00	54	Rs. 350 lakhs Loan 1971-72 ...	6 %	1,87,00,000.00
14	Rs. 250 lakhs Loan 1966-67 ...	6 %	2,50,00,000.00	55	Rs. 150 lakhs Loan 1972-73 ...	6 %	3,85,00,000.00
15	Rs. 800 lakhs Loan 1967-68 ...	6 %	8,00,00,000.00	56	Rs. 100 lakhs Loan 1972-73 ...	6 %	1,65,00,000.00
16	Rs. 400 lakhs Loan 1968-69 ...	6 %	4,40,00,000.00	57	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,00,00,000.00
17	Rs. 300 lakhs Loan 1968-69 ...	7 %	3,00,00,000.00	58	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,10,00,000.00
18	Rs. 325 lakhs Loan 1968-69 ...	6 %	3,25,00,000.00	59	Rs. 150 lakhs Loan 1974-75 ...	6½%	1,00,00,000.00
19	Rs. 550 lakhs Loan 1969-70 ...	6 %	6,15,98,000.00	60	Rs. 100 lakhs Loan 1974-75 ...	6 %	1,65,00,000.00
20	Rs. 600 lakhs Loan 1969-70 ...	7 %	6,00,00,000.00	61	Rs. 150 lakhs Loan 1975-76 ...	6½%	1,00,00,000.00
21	Rs. 100 lakhs Loan 1970-71 ...	6 %	1,15,41,000.00	62	Rs. 250 lakhs Loan 1975-76 ...	6½%	1,65,00,000.00
22	Rs. 370 lakhs Loan 1971-72 ...	6 %	4,07,00,000.00	63	Rs. 200 lakhs Loan 1975-77 ...	6½%	2,50,00,000.00
23	Rs. 260 lakhs Loan 1972-73 ...	6 %	2,86,00,000.00	64	Rs. 300 lakhs Loan 1975-77 ...	6½%	2,20,00,000.00
24	Rs. 200 lakhs Loan 1972-73 ...	6 %	2,00,00,000.00	65	Rs. 250 lakhs Loan 1975-77 ...	6½%	3,00,00,000.00
25	Rs. 400 lakhs Loan 1972-73 ...	6 %	4,00,00,000.00	66	Rs. 600 lakhs Loan 1977-78 ...	6½%	2,50,00,000.00
26	Rs. 400 lakhs Loan 1973-74 ...	6 %	4,40,00,000.00	67	Rs. 450 lakhs Loan 1978-79 ...	6½%	6,00,00,000.00
27	Rs. 250 lakhs Loan 1973-74 ...	6 %	2,50,00,000.00	68	Rs. 250 lakhs Loan 1973-79 ...	6½%	4,95,00,000.00
28	Rs. 250 lakhs Loan 1974-75 ...	6½%	2,50,00,000.00	69	Rs. 850 lakhs Loan 1973-80 ...	6 %	2,50,00,000.00
29	Rs. 150 lakhs Loan 1974-75 ...	6½%	1,65,00,000.00		Total ...		56,51,50,000.00
30	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,10,00,000.00		Less: Loan amount transferred to Budget 'G' ...		—4,24,54,935.00
31	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,00,00,000.00		Total Div. II ...		52,26,95,065.00
32	Rs. 225 lakhs Loan 1976-77 ...	6½%	2,47,50,000.00		<b>BUDGET 'A' Div. III</b>		
33	Rs. 300 lakhs Loan 1976-77 ...	6½%	3,00,00,000.00		Loan raised from Public—		
34	Rs. 400 lakhs Loan 1977-78 ...	6½%	4,40,00,000.00	70	Rs. 25 lakhs Loan 1957-58 ...	4½%	25,00,000.00
35	Rs. 400 lakhs Loan 1977-78 ...	7½%	4,00,00,000.00	71	Rs. 20 lakhs Loan 1958-59 ...	4½%	20,00,000.00
36	Rs. 80 lakhs Loan 1978-79 ...	6½%	88,00,000.00	72	Rs. 10 lakhs Loan 1960-61 ...	4½%	10,00,000.00
37	Rs. 150 lakhs Loan 1978-79 ...	6½%	1,50,00,000.00	73	Rs. 25 lakhs Loan 1964-65 ...	4½%	25,00,000.00
38	Rs. 500 lakhs Loan 1978-79 ...	8 %	5,00,00,000.00	74	Rs. 50 lakhs Loan 1965-66 ...	6 %	50,00,000.00
39	Rs. 150 lakhs Loan 1979-80 ...	6 %	1,65,00,000.00	75	Rs. 40 lakhs Loan 1966-67 ...	6 %	40,00,000.00
40	Rs. 550 lakhs Loan 1979-80 ...	7 %	5,50,00,000.00	76	Rs. 20 lakhs Loan 1967-68 ...	6 %	20,00,000.00
41	US \$ 4.54 Millions Loan from World Bank (I B R D) thro. BMRDA ...	9.2%	1,23,87,203.44	77	Rs. 55 lakhs Loan 1966-67 ...	6 %	55,00,000.00
	Total ...		1,12,18,76,203.44	78	Rs. 75 lakhs Loan 1969-70 ...	6 %	82,50,000.00
	Less: Loan amount transferred to Budget 'G' ...		49,41,04,982.90	79	Rs. 165 lakhs Loan 1970-71 ...	6 %	1,81,50,000.00
	Total ...		62,77,71,220.54	80	Rs. 115 lakhs Loan 1970-71 ...	6 %	1,26,50,000.00
				81	Rs. 150 lakhs Loan 1971-72 ...	6 %	1,65,00,000.00
				82	Rs. 150 lakhs Loan 1972-73 ...	6 %	1,65,00,000.00
				83	Rs. 100 lakhs Loan 1972-73 ...	6 %	1,00,00,000.00
				84	Rs. 100 lakhs Loan 1973-74 ...	6 %	1,10,00,000.00
				85	Rs. 50 lakhs Loan 1973-74 ...	6 %	50,00,000.00
				86	Rs. 50 lakhs Loan 1974-75 ...	6½%	55,00,000.00
				87	Rs. 50 lakhs Loan 1974-75 ...	6½%	50,00,000.00
				88	Rs. 100 lakhs Loan 1975-76 ...	6½%	1,10,00,000.00
				89	Rs. 50 lakhs Loan 1975-76 ...	6½%	50,00,000.00
				90	Rs. 150 lakhs Loan 1976-77 ...	6½%	1,37,50,000.00
				91	Rs. 125 lakhs Loan 1976-77 ...	6½%	75,00,000.00
				92	Rs. 75 lakhs Loan 1976-77 ...	6½%	1,50,00,000.00
				93	Rs. 400 lakhs Loan 1977-78 ...	6½%	4,40,00,000.00
				94	Rs. 300 lakhs Loan 1978-79 ...	6½%	3,30,00,000.00
				95	Rs. 425 lakhs Loan 1979-80 ...	6 %	4,47,50,000.00
					Total ...		30,90,50,000.00
					Less: Loan amount transferred to Budget 'G' ...		—3,91,65,952.00
					Total Div. III ...		26,98,84,048.00
					Grand Total Budget 'A' ...		1,42,03,50,333.54

## APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1979-80 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1980.

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' (Part I)</b>								
<b>RECEIPTS</b>								
<b>A) Revenue Account Receipts</b>								
General Tax, Indirect Taxation and Miscellaneous Revenue								
A—General Tax. ..	16,94,52,012.32		10,40,25,205.41		4,52,34,743.29		31,87,11,961.02	
B—Octroi. ..	66,40,37,502.46		..		..		66,40,37,502.46	
BB—Theatre Tax ..	19,02,383.80		11,54,831.70		5,16,579.50		35,73,795.00	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses ..	11,102.50		..		..		11,102.50	
(b) Grant-in-Aid in respect of Fines for Offences against the Law ..	11,18,867.75		..		..		11,18,867.75	
(c) Interest and Profit on Investment of Surplus Loan and Other Balances ..	2,33,47,164.75		10,36,773.17		5,60,520.98		2,49,44,458.90	
(d) Interest on Plant and Machinery Depreciation Fund ..	..		..		..		..	
(e) Miscellaneous ..	97,86,605.00		11,92,339.81		9,15,088.03		1,18,94,032.84	
(f) Receipts on account of Municipal Journal ..	9,928.50		..		..		9,928.50	
D—Receipts on account of proportionate Cost of Collection of Education Cess ..	3,46,981.23		1,71,619.92		80,662.20		5,99,263.35	
E—Rebate from Govt. on account of collection of Education Cess ..	8,85,000.00		4,65,567.94		65,645.39		14,16,213.33	
F—Rebate on A/c of Collection of E. G. cess ..	20,000.00		..		..		20,000.00	
	<u>87,09,17,548.31</u>		<u>10,80,46,337.95</u>		<u>4,73,73,239.39</u>		<u>1,02,63,37,125.65</u>	
3. Museums. ..	51,584.21		..		..		51,584.21	
Free Reading Rooms and Libraries. ..	2,86,66,434.05		2,681.89		2,160.00		2,86,71,275.94	
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service ..	25,95,365.18		22,49,709.78		7,40,359.35		55,85,434.31	
8. Roads, S. W. Drains etc. ..	..		7,742.71		2,604.72		10,347.43	
9. Mechanical. ..	2,70,814.12		2,36,588.44		..		5,07,402.56	
10. Buildings, Land Acquisition and Management.								
A—Sale Proceeds of Surplus Land. ..	55.75		407.38		..		463.13	
B—Other Receipts.								
(a) Rent of Buildings. ..	38,54,760.49		2,91,291.20		23,039.74		41,69,091.43	
(b) Ground Rent. ..	7,61,725.50		33,115.01		3,403.35		7,98,243.86	
(c) Miscellaneous ..	80,20,687.33		1,97,85,448.62		1,14,65,419.17		3,92,71,555.12	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff. ..	99,619.44		..		..		99,619.44	
	<u>1,27,36,848.51</u>		<u>2,01,10,262.21</u>		<u>1,14,91,862.26</u>		<u>4,43,38,972.98</u>	
11. Fire Brigade								
A—Fire Tax ..	1,03,15,686.36		65,09,295.21		28,29,165.06		2,01,54,146.63	
B—Other Receipts ..	97,298.26		8,045.65		4,953.00		1,10,296.91	
	<u>1,09,12,984.62</u>		<u>65,17,340.86</u>		<u>28,34,118.06</u>		<u>2,02,64,443.54</u>	

## APPENDIX-15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>Budget 'A' Receipts—(Contd.)</b>								
12. Licensing, Removal of Encroachments on Public Streets, Administration of shops and Establishments Act, 1948—								
A—Licences for Dangerous and Offensive Trades	71,81,113.89		44,75,148.90		24,48,512.06		1,41,04,774.85	
B—Removal on Encroachments on Public Streets etc.	79,65,639.49		12,66,808.92		3,72,280.50		9,604,728.91	
C—Receipts from Administration of Shops and Establishment Act.	21,49,245.35		7,30,794.50		3,83,769.00		32,63,808.85	
D—Miscellaneous	36,63,156.72		5,68,152.11		1,76,143.10		44,07,451.93	
	2,09,59,155.45		70,40,904.43		33,80,704.66		3,13,80,764.54	
15. Gardens and Open Spaces	12,85,689.86		5,50,350.72		2,13,356.33		20,49,396.91	
14. Markets and Slaughter Houses	3,14,60,113.73		19,20,365.42		7,14,641.44		3,40,95,120.59	
15. Contribution from Capital Funds to Revenue Account of Loan Works Staff	19,89,122.74		16,95,185.95		8,88,497.24		45,72,805.93	
16. Extra Ordinary Receipts	1,37,130.68						1,37,130.68	
17. Rebate from Government on Account of Collection of U. I. P. Tax								
18. Transfer from the B. E. S. & T. Fund	40,00,000.00						40,00,000.00	
19. Receipts from Government on Account of Urban Immoveable Property Tax			589.43		8,230.74		8,820.17	
20. Rebate from Government on Account of Collection of House Repairs Cess	12,56,868.15						12,56,868.15	
21. Share in Entertainment Tax	1,37,91,080.22						1,37,91,080.22	
23. Traffic Operations, Roads and Bridges—								
A—Wheel Tax	1,34,51,811.82		37,60,587.89		11,44,891.27		1,83,57,290.98	
B—Contributions from Govt. in lieu of Tolls	24,927.00		16,673.00		3,964.00		45,564.00	
C—Other Receipts	30,32,718.73		31,25,638.83		17,93,864.07		79,52,221.63	
D—Ferry Receipts			2,251.13		1,12,312.80		1,14,563.93	
	1,65,09,457.55		69,05,150.85		30,55,032.14		2,64,69,640.54	
25. Measures to control Environmental Air Pollution in Greater Bombay	9,22,109.50		9,79,512.58		7,13,268.98		26,14,891.06	
<b>Total—Part I</b>	1,01,84,62,306.88		15,62,62,723.22		7,14,18,075.31		1,24,61,43,105.41	
<b>Budget 'A' (Part II)</b>								
5. Public Health Department	27,65,319.65		12,95,461.68		6,21,111.88		46,81,893.21	
6. Medical Relief and Education	29,55,958.42		2,23,785.07		74,738.87		32,54,482.36	
Contribution from Part I								
<b>Total—Part II</b>	57,21,278.07		15,19,246.75		6,95,850.75		79,36,375.57	
<b>Total—(A) Revenue Receipts</b>	1,02,41,83,584.95		15,77,81,969.97		7,21,13,926.06		1,25,40,79,480.98	
(B) Capital Account Receipts—								
Loan Funds—Capital Receipts—								
Debt Principal—New Loans of 1978-79	7,85,13,181.24		9,35,00,000.00		4,67,50,000.00		21,87,63,181.24	
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			63,05,330.22		9,40,312.45		72,45,642.68	
<b>Total—(B) Capital Receipts</b>	7,85,13,181.24		9,98,05,330.22		4,76,90,312.46		22,60,08,823.92	
(C) Suspense Account Receipts—								
I—Sinking and Special Fund Accounts—								
Sinking Fund Account (Municipal)	6,30,17,928.57		2,31,32,546.99		1,72,74,251.77		10,84,24,727.33	
Special Fund Account	16,31,25,426.50						16,31,25,426.50	
<b>Total—I (S. and S. Funds)</b>	22,61,43,355.07		2,31,32,546.99		1,72,74,251.77		27,15,50,153.83	
II—Paper and Cash Accounts—								
1. Sinking Fund	6,09,28,859.20		28,55,253.65		26,89,235.40		6,64,73,348.25	
2. Special Funds	6,92,74,741.93						6,92,74,741.93	
3. Surplus Fund	26,10,86,421.08		7,46,38,972.20		2,87,38,183.59		36,44,63,576.87	
4. Loan Fund	97.80		1,03,02,208.41		55,00,000.00		1,58,02,306.21	
State Bank of India and Other Local Banks on Account of Sundry Deposits	1,29,71,02,748.78		21,79,37,757.89		9,89,64,670.04		1,61,40,05,176.71	
<b>Total—II (Paper &amp; Cash)</b>	1,68,83,92,868.79		30,57,34,192.15		13,58,92,089.03		2,13,00,19,149.97	

## APPENDIX-15 (Contd.)

Account Heads	Division-I		Division-II		Division-III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget 'A' Receipts (Contd.)								
III—Other Suspense Accounts—								
Deposits Account .. .. .	3,97,2,484	926.11	26,28,27,017.52		11,07,40,920.63		4,34,60,52,864.26	
Reserve Stores Account .. .. .	5,56,06,335.05						5,56,06,335.05	
Capital Stores Accounts .. .. .	7,93,30,145.82						7,93,30,145.82	
Purchase of Petrol and Diesel Oil .. .. .	25,38,266.15		6,88,774.12		4,371.81		32,31,412.08	
Advances to Public including Co-operative for Housing purposes.	45,08,521.25						45,08,521.25	
Advances Departmental Works .. .. .	43,54,837.26		30,23,918.85		3,96,367.91		77,75,124.02	
Advances Dept. Works—Traffic Amenities .. .. .			10,09,486.34		42,768.69		10,52,255.03	
Advances Municipal Workshops .. .. .	25,04,713.23						25,04,713.23	
Municipal Foundry .. .. .	3,56,482.25						3,56,482.25	
Worli Crushers .. .. .	2,985.65						2,985.65	
Mechanical Transport .. .. .	1,33,10,162.00		1,14,20,081.50				2,47,30,243.50	
Asphalt Plant .. .. .	2,421,193.62						2,421,193.62	
Municipal Printing Press .. .. .	84,78,827.67						84,78,827.67	
Rota Printing Unit .. .. .	1,63,962.01						1,63,962.01	
Advances Private Works .. .. .	7,67,865.36		30,387.34		Dr. 4,282.68		7,93,970.02	
Advances Private Works—Traffic Amenities .. .. .					Dr. 1,58,667.27		Dr. 1,58,667.27	
Reinstatement of Trenches .. .. .	58,86,251.95		15,02,948.93		9,17,911.67		83,07,112.55	
Advances Special Funds .. .. .	23,65,421.37						23,65,421.37	
Municipal Contractors .. .. .	1,51,724.67		4,793.69		435.00		1,56,953.36	
Municipal Tenderers .. .. .								
Sundry Advances Miscellaneous .. .. .	3,91,36,523.32		3,27,43,991.98		85,67,881.76		8,04,48,397.06	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings .. .. .	16,81,838.54		4,493.66		2,526.04		16,88,858.24	
Advances for conversion of Basket Privies etc. .. .. .			4,638.56				4,638.56	
Advances to Municipal Officers .. .. .	5,66,448.97		18,563.05		20,721.36		6,05,733.38	
Interest accrued But Not Paid .. .. .	1,88,597.22		9,831,25.00		6,55,416.67		18,27,138.89	
Interest receivable Account .. .. .								
Provident Fund .. .. .	6,63,31,538.83		1,13,93,361.28		50,24,038.94		8,27,48,939.05	
Welfare Fund .. .. .	8.00						8.00	
Fines Fund .. .. .	5,105.09						5,105.09	
Fidelity Guarantee Insurance Fund .. .. .	3,317.30						3,317.30	
B.M.C. Loans Interest Warrants Payable A/c....	2,0076,726.60		1,87,91,392.64		1,20,28,511.54		5,08,96,630.78	
Dishonoured Cheques .. .. .	3,44,17,872.33		1,42,92,398.90		84,01,063.05		5,71,11,334.28	
Cash Bills Outstanding Accounts .. .. .	12,76,778.49		36,244.86		14,522.69		13,27,546.04	
Cheques Payable .. .. .	5,82,18,15,868.08		61,57,72,239.48		26,55,28,679.63		6,70,31,16,787.19	
Wages Deposit Account .. .. .	2,05,20,109.74		52,24,068.39		23,69,215.46		2,81,13,393.59	
Loan Redemption Fund Municipal .. .. .	34,38,260.16		27,07,900.00		15,92,560.00		77,38,720.16	
Repayment of Loans .. .. .			17,92,100.00				17,92,100.00	
Interest on B.M.C. Loans Payable Account .. .. .	9,34,678.00		3,70,974.00		1,27,392.50		14,33,044.50	
Municipal Power Laundry .. .. .	32,41,859.81						32,41,859.81	
Advances from Surplus Monies for financing Loan Works Expenditure .. .. .								
Plant & Machinery Purchase out of Surplus Cash Balance .. .. .								
Pension Fund .. .. .	1,73,51,789.32						1,73,51,789.32	
Gratuities Fund .. .. .	1,24,09,807.96						1,24,09,807.96	
Amount transferred within Budget 'A' Divns. .. .. .	30,01,10,542.29		19,53,21,869.71		8,76,94,464.53		58,31,26,876.53	
Amounts transferred to Budget 'G' .. .. .	33,88,86,291.62						33,88,86,291.62	
Improving Common House Gullies .. .. .	1,27,041.98						1,27,041.98	
Contribution Receivable from Budget 'E' .. .. .	26,39,72,596.19						26,39,72,596.19	
Advance for Deposit with outside bodies .. .. .	1,450.00						1,450.00	
Unadjusted Reserve Stores Account Stock .. .. .	1,38,97,731.46						1,38,97,731.46	
Halalkhore Services .. .. .			1,44,806.58		3,386.67		1,48,193.25	
Plant and Machinery Purchased out of Surplus Monies. .. .. .								
Advances Special Funds for Purchase of Plant and Machinery. .. .. .	34,39,968.54						34,39,968.54	
Municipal Debt Interest .. .. .			2,93,34,432.52		1,63,70,357.73		4,57,04,790.25	
Advance Suspense Account Accumulated Surplus Balance Payable by Budget 'A' and Budget 'G' .. .. .	2,83,00,000.00						2,83,00,000.00	
Security Deposit with Central Railway .. .. .								
Seweri Crushers .. .. .								
Advances for Improvement of Private Streets .. .. .			294.58				294.58	
<b>Total III—(Other Sup.) .. .. .</b>	<b>11,14,73,65,371.26</b>		<b>1,20,94,44,303.48</b>		<b>52,03,40,564.33</b>		<b>12,87,71,50,239.07</b>	
<b>Total (3) Suspense Receipts .. .. .</b>	<b>13,06,19,01,595.12</b>		<b>1,54,33,11,042.62</b>		<b>67,35,06,905.13</b>		<b>15,27,87,19,542.87</b>	
<b>Total Receipts Budget 'A' .. .. .</b>	<b>14,16,45,98,361.31</b>		<b>1,80,08,98,342.81</b>		<b>79,33,11,143.65</b>		<b>16,75,88,07,847.77</b>	
Tree Authority Budget .. .. .	16,23,069.85						16,23,069.85	



## APPENDIX-15—(Contd.)

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.
<b>BUDGET 'B' RECEIPTS</b>										
<b>(A) General Account Revenue</b>										
I Rent and other Proceeds of Properties.	1,46,47,646.30		1,11,14,607.03		26,90,590.67		5,48,694.33		2,90,01,538.33	
II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act.	2,26,89,563.00		..		..		..		2,26,89,563.00	
IV Interest and Profit on Investments.	1,04,651.31		..		2,16,260.10		28,190.25		3,49,101.66	
V Miscellaneous Receipts.	6,32,866.62		1,76,582.55		..		1,82,451.51		9,91,900.68	
VI Grant Assistance from Govt. of India for Improvement Slums.	..		..		..		..		..	
VII Appropriation from Capital Account to meet the deficit	70,53,353.87		..		36,70,119.54		45,08,299.59		1,52,31,773.00	
Contribution from Budget 'A'	..		2,71,71,656.08		..		..		2,71,71,656.08	
<b>Total (A) General Account Revenue.</b>	<b>4,51,28,081.10</b>		<b>3,84,62,845.66</b>		<b>65,76,970.31</b>		<b>52,67,635.68</b>		<b>9,54,35,532.75</b>	
<b>(B) Capital Account Receipts</b>										
Sale Proceeds of Lands, Building etc.	4,00,432.35		..		..		1,32,895.13		5,33,327.48	
New Loans raised during 1979-80.	..		..		..		..		..	
Advances from Surplus Monies.	2,01,04,071.02		..		18,46,103.95		40,61,239.45		2,60,11,414.42	
Reimbursement from Maharashtra Slum Improvement Board	..		1,93,15,623.11		..		..		1,93,15,623.11	
<b>Total (B) Capital Receipts</b>	<b>2,05,04,503.37</b>		<b>1,93,15,623.11</b>		<b>18,46,103.95</b>		<b>41,94,134.58</b>		<b>4,58,60,365.01</b>	
<b>(C) Suspense Account Receipts</b>										
<b>I. Sinking and Special Funds Accounts</b>										
(a) Sinking Fund Account.	83,89,683.55		4,11,276.26		19,92,224.59		15,35,132.08		1,23,28,316.48	
(b) Investment Reserve Fund Accounts	15,24,755.33		..		..		..		15,24,755.33	
(c) Rent Equalisation Fund Account	8,01,740.55		..		..		..		8,01,740.55	
(d) Amenities Fund Account	2,65,096.35		..		..		..		2,65,096.35	
<b>Total I (S. and S. Funds)</b>	<b>1,09,81,275.78</b>		<b>4,11,276.26</b>		<b>19,92,224.59</b>		<b>15,35,132.08</b>		<b>1,49,19,908.71</b>	
<b>II Paper and Cash Account.</b>										
(a) Sinking Fund.	28,52,571.49		349.00		230.21		147.73		28,53,398.43	
(b) Capital Fund.	..		..		259.35		228.87		488.22	
(c) Investment Reserve Fund.	..		..		..		..		..	
(d) Rent Equalisation Fund.	32.40		..		..		..		32.40	
(e) Amenities Fund.	63.25		..		..		..		63.25	
<b>Total II—(Papers &amp; Cash)</b>	<b>28,52,667.14</b>		<b>349.00</b>		<b>589.56</b>		<b>376.60</b>		<b>28,53,982.30</b>	
<b>III—Other Suspense Accounts.</b>										
Loan Redemption Fund	..		44,32,498.00		1,80,286.43		1,03,559.47		47,16,343.90	
B. I. T. Loans Interest Warrants Payable Account	..		..		..		..		..	
<b>Total—III (Other Susp.)</b>	<b>..</b>		<b>44,32,498.00</b>		<b>1,80,286.43</b>		<b>1,03,559.47</b>		<b>47,16,343.90</b>	
<b>Total (C) Suspense Receipts</b>	<b>1,38,33,942.92</b>		<b>48,44,123.26</b>		<b>21,73,100.58</b>		<b>16,39,063.15</b>		<b>2,24,90,234.91</b>	
<b>Total Receipts—Budget 'B'</b>	<b>7,94,66,527.39</b>		<b>6,26,22,592.03</b>		<b>1,05,96,174.84</b>		<b>1,11,00,838.41</b>		<b>16,37,86,132.67</b>	

## APPENDIX—15—(contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' (Part I)</b>								
<b>EXPENDITURE</b>								
<b>A) Revenue Account—</b>								
<b>I—General Supervision, Collection of Revenue, etc.</b>								
A—General Superintendence .. .. .	3,65,81,018.63		31,73,328.55		12,49,399.57		4,10,03,746.75	
B—Collection of Revenue .. .. .	1,92,45,704.62		56,78,595.74		26,58,353.91		2,75,82,654.27	
C—Upkeep of guarding of Municipal Offices ..	34,27,634.59		9,77,391.95		4,11,917.52		48,16,944.06	
D—General Stores .. .. .	12,00,651.36		....		....		12,00,651.36	
E—Legal Department .. .. .	20,95,094.48		73,297.95		11,342.83		21,79,735.26	
F—Miscellaneous Charges .. .. .	12,92,012.60		1,89,327.67		722.67		14,82,062.94	
G—Election Expenses .. .. .	16,50,812.71		....		....		16,50,812.71	
H—Provident Fund Charges .. .. .	5,56,429.40		1,24,884.00		47,398.00		7,28,711.40	
I—Debt Charges .. .. .	33,74,954.55		19,10,444.98		6,11,642.56		58,97,042.09	
J—Encouraging sports activities .. .. .	2,053.30		..		..		2,053.30	
Deduct : Proportion of General Superintendence	1,85,66,042.45		42,65,434.11		19,20,580.54		2,47,52,057.10	
	5,08,60,323.79		78,61,836.73		30,70,196.52		6,17,92,357.04	
<b>III—Museums—</b>								
A—Victoria and Albert Museum .. .. .	1,68,286.21		....		....		1,68,286.21	
B—Provident Fund Charges .. .. .	1,777.00		....		....		1,777.00	
C—Debt Charges .. .. .	..		....		....		....	
	1,70,063.21		....		....		1,70,063.21	
<b>IV—Free Reading Rooms and Libraries—</b>								
A—Municipal Free Reading Rooms & Libraries ..	45,10,271.17		9,05,435.91		1,53,000.00		55,68,707.08	
B—Municipal High Schools .. .. .	3,04,20,344.31		....		....		3,04,20,344.31	
C—Provident Fund Charges .. .. .	12,661.00		....		....		12,661.00	
D—Debt Charges .. .. .	1,49,262.23		1,484.37		....		1,50,746.60	
	3,50,92,538.71		9,06,920.28		1,53,000.00		3,61,52,458.99	
<b>VII—Street Cleansing, Conservancy and Halalkhore Service—</b>								
A—Street Cleansing and Conservancy .. .. .	81,42,045.06		41,35,131.97		22,00,658.60		1,44,77,835.63	
B—Collection, Loading, Removal and Disposal of Town Refuse.	6,84,53,404.05		2,39,05,907.16		1,04,91,272.35		10,28,50,583.56	
C—Halalkhore Service .. .. .	51,50,385.65		43,59,886.2		33,93,781.72		1,29,04,053.57	
D—Provident Fund Charges .. .. .	5,25,612.94		1,07,026.06		41,196.77		6,73,835.77	
F—Debt Charges .. .. .	16,52,525.69		11,12,978.67		13,85,225.06		41,50,729.42	
	8,39,23,973.39		3,36,20,930.06		1,75,12,134.50		13,50,57,037.95	
<b>VIII—Roads, S.W. Drains and Public Lighting—</b>								
A—General .. .. .	....		....		....		....	
B—Maintenance of Roads .. .. .	....		....		....		....	
C—Public Lighting .. .. .	....		....		....		....	
D—Maintenance of S.W. Drains .. .. .	53,79,396.22		60,57,518.22		37,04,109.87		1,51,41,024.31	
F—Provident Fund Charges .. .. .	....		16,747.00		5,811.56		22,558.56	
H—Debt Charges .. .. .	16,27,453.18		50,38,347.35		26,16,116.47		92,81,917.00	
I—Proportionate Cost of Collection of Wheel Tax	....		....		....		..	
	70,06,849.40		1,11,12,612.57		63,26,037.90		2,44,45,497.87	
<b>IX—Mechanical—</b>								
A—Mechanical Engineer's Office Establishment	17,75,514.86		3,12,081.48		....		20,87,596.34	
B—Maintenance of Electric Installations ..	....		3,11,656.03		35,983.63		3,47,639.66	
C—Provident Fund Charges .. .. .	28,083.75		6,323.00		....		34,406.75	
D—Debt Charges .. .. .	1,52,724.85		1,628.01		1,407.50		1,55,760.36	
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00		....		....		50,000.00	
	20,06,323.46		6,31,688.52		37,391.13		26,75,403.11	

## APPENDIX—15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' EXPENDITURE-(Contd.)</b>								
<b>X—Buildings, Land Acquisition and Management</b>								
A—City Engineer's Central Office Establishment	29,87,770.29		17,31,390.10		10,28,119.15		57,47,279.54	
B—Inspection and Supervision of Private Buildings	30,46,680.39		13,62,617.26		51,046.10		44,60,343.75	
C—Architectural .. .. .	2,49,632.60		....		....		2,49,632.60	
D—Land Acquisition and Management ..	38,74,031.51		2,53,067.94		66,782.80		41,93,882.25	
E—Inspection and Supervision of Factories, Workshops and Work Places.	2,18,142.92		1,78,780.89		98,074.41		4,94,998.22	
F—Industrial Estates .. .. .	2,51,292.42		....		....		2,51,292.42	
G—Provident Fund Charges .. .. .	1,01,305.78		35,629.00		23,597.00		1,60,531.78	
H—Debt Charges .. .. .	47,10,638.61		25,58,543.68		8,59,350.87		81,28,533.16	
I—Proportionat cost on account of Planning Branch of C. E's deptt. Central ..	Cr. 3,05,956.25		..		....		Cr. 3,05,956.25	
	1,51,33,538.27		61,20,028.87		21,26,970.33		2,33,80,537.47	
<b>XI—Fire Brigade—</b>								
A—Maintenance .. .. .	91,52,389.83		28,58,390.71		8,83,462.09		1,28,94,242.63	
B—Provident Fund Charges .. .. .	6,859.00		Cr. 736.00		....		6,123.00	
C—Pension, Gratuities and Compassionate Allowances.	6,510.00		....		....		6,510.00	
D—Proportion of General Supervision and Collection of Revenue.	5,07,880.48		1,58,794.89		70,660.23		7,37,335.60	
E—Debt Charges .. .. .	20,37,232.71		1,57,361.99		7,64,604.55		29,59,199.25	
F—Contribution to Fire Brigade Employees ..	40,000.00		..		....		40,000.00	
	1,17,50,872.02		31,73,811.59		17,18,726.87		1,66,43,410.48	
<b>XII—Licensing, Removal of Encroachments on Public Streets; Administration of shops and Establishment Act 1948 and Theatre Tax—</b>								
A—Licensing Establishment .. .. .	22,86,053.55		10,82,894.67		4,74,693.51		38,43,641.73	
B—Removal of Encroachment on Public Streets	23,14,888.46		9,65,243.41		2,95,552.05		35,75,683.92	
C—Administration of Shops and Establishment Act, 1948.	13,78,543.50		3,98,582.69		1,96,971.19		19,74,097.38	
D—Provident Fund Charges .. .. .	1,18,229.00		43,868.00		29,678.00		1,91,775.00	
E—Debt Charges .. .. .	1,07,631.13		..		..		1,07,631.13	
	62,05,345.64		24,90,588.77		9,96,894.75		96,92,829.16	
<b>XIII—Gardens, Recreation Centres and Open Spaces</b>								
A—Gardens .. .. .	70,01,478.56		32,74,655.03		4,26,754.49		1,07,02,888.08	
B—New Gardens, Recreation Grounds, etc. ..	2,10,750.96		1,29,465.96		4,653.38		3,44,870.30	
C—Road side Trees .. .. .	..		....		....		..	
D—Open Air Theatres .. .. .	73,434.41		53,049.00		....		1,26,483.41	
E—Swimming Pools .. .. .	3,76,845.09		1,92,969.16		2,78,099.75		8,47,914.00	
F—Krida Kendra and Social Welfare Centres ..	2,88,264.64		....		....		2,88,264.64	
I—Social Welfare Centre at S.L. Barve Nagar, Ghatk. par.	..		Cr. 143.75		..		Cr. 143.75	
J—Provident Fund Charges .. .. .	39,719.08		3,717.00		1,692.00		45,128.08	
K—Debt Charges .. .. .	18,65,161.74		9,02,086.75		9,39,043.86		37,06,292.35	
L—L. Dinanath Mangeshkar Natya Mandir ..	..		2,56,197.34		..		2,56,197.34	
	98,55,654.48		48,11,996.49		16,50,243.48		1,63,17,894.45	
<b>XIV—Markets and Slaughter Houses</b>								
A—Markets and Slaughter Houses ..	3,06,55,723.36		34,35,780.43		18,17,142.99		3,59,08,646.78	
B—Provident Fund Charges .. .. .	62,512.00		12,143.00		7,147.00		81,802.00	
C—Pension, Gratuities and Compassionate Allowance.	28,170.00		19,500.00		6,500.00		54,170.00	
D—Proportion of General Supervision ..	19,23,465.54		1,10,953.97		42,163.53		20,76,583.04	
E—Debt Charges .. .. .	91,36,264.51		26,52,490.31		4,27,812.50		1,22,16,567.32	
	4,18,06,135.41		62,30,877.71		23,00,766.02		5,03,37,769.14	

## APPENDIX—15—(contd)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' EXPENDITURE—(Contd.)</b>								
XV—Contribution to—								
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act.	1,19,24,891.00		73,32,660.00		32,56,651.00		2,25,14,202.00	
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act.	2,98,12,230.00		1,88,18,942.00		83,26,984.55		5,69,58,156.55	
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act.	8,54,00,000.00		....		....		8,54,00,000.00	
(d) Fines and Welfare Fund .. .. .	22,85,536.29		....		....		22,85,536.29	
(e) Tree Authority Fund .. .. .	14,60,756.88		....		....		14,60,756.88	
(f) Contribution to P. F. to meet the difference in interest allowed and that actually realised on investment of P. F. .. .. .	24,41,714.50		..		..		24,41,714.50	
	13,33,25,128.67		2,61,51,602.00		1,15,83,635.55		17,10,60,366.22	
XVI—Miscellaneous—								
(a) Pension Fund .. .. .	..		....		....		..	
(b) Gratuity Fund .. .. .	10,79,730.00		5,05,000.00		1,07,663.78		16,92,393.78	
Deduct : Proportionate Share .. .. .	34,680.00		..		..		34,680.00	
	10,45,050.00		5,05,000.00		1,07,663.78		16,57,713.78	
XVII—Measures for Civil Defence .. .. .	93,072.58		....		....		93,072.58	
XVIII—Contribution to Bombay Building Repairs and Reconsruction Board.	1,60,00,000.00		....		....		1,60,00,000.00	
XX—Lump sum provision for payment of Centenary Gift.	..		....		....		..	
XXII—Lump Sum Provision for Staff contingencies, etc.	..		....		....		..	
XXIII—Traffic Operations, Roads and Bridges—								
A—General .. .. .	25,39,045.88		26,26,703.43		7,02,463.80		58,68,213.11	
B—Traffic Planning and Operation .. .. .	11,07,141.77		26,329.41		5,009.13		11,38,480.31	
C—Road and Bridge Planning and Design .. .. .	26,115.47		4,859.69		..		30,975.16	
D—Road and Bridge Maintenance .. .. .	4,60,04,041.27		4,71,91,543.43		2,19,20,502.17		11,51,16,086.87	
F—Provident Fund Charges .. .. .	97,444.45		10,944.43		22,557.50		1,30,946.38	
E—Rebate on account of compounded wheel tax permissible under section 185 of the B.M.C. Act	..		..		..		..	
G—Debt Charges .. .. .	1,95,47,655.44		2,96,61,724.45		1,71,66,575.42		6,63,75,955.31	
H—Proportionate Cost of Collection of Wheel Tax.	5,21,152.45		2,86,033.22		1,34,487.05		9,41,672.72	
I—Lumpsum provision for payment of Commission charges and interest on I.B.R. D. Loan .. .. .	9,99,493.43		..		..		9,99,493.43	
	7,08,42,030.16		7,98,08,138.06		3,99,51,595.07		19,06,01,823.29	
XXIV—Measures to control environmental Pollution in Greater Bombay .. .. .	18,12,223.69		..		..		18,12,223.69	
XXV—Lump sum provision for the payment of arrears on account of revision of grades .. .. .	4,89,601.29		..		..		4,89,601.29	
XXVI—Special Contribution to meet deficit in Slum Imp. .. .. .	2,16,03,176.79		..		..		2,16,03,176.79	
XXVII—Lump-sum Provision for upkeep of old and Historical monumental Bldgs. in the City. .. .. .	..		..		..		..	
XXX—Lump sum provision for Deposit linked Insurance .. .. .	1,34,023.97		15,261.34		1,202.32		1,50,487.63	
Total—Part-I .. .. .	50,91,55,984.93		18,34,41,282.99		8,75,36,458.22		78,01,00,729.14	

## APPENDIX—15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' EXPENDITURE (Contd.)</b>								
Budget 'A' (Part II)								
V—Public Health Department—								
A—General Superintendence .. .. .	1,88,92,427.38		98,54,922.14		41,51,177.17		3,28,98,526.69	
B—Supply of Milk to the under nourished needy children attending Municipal Schools .. .. .	48,87,098.13		18,61,644.52		20,22,061.53		87,70,804.18	
C—Provident Fund Charges .. .. .	1,88,357.00		31,105.80		23,770.00		2,43,232.80	
D—Malaria Eradication Programme .. .. .	2,04,170.54		3,60,902.79		Cr. 24,867.98		5,40,205.35	
—Impounding Stray Cattle .. .. .	3,86,447.03						3,86,447.03	
G—Census .. .. .	21,913.62						21,913.62	
I—Debt Charges .. .. .	7,46,426.34		5,32,356.55		2,23,145.77		15,01,928.66	
F—Filaria Control Programme .. .. .			2,66,286.74		1,19,351.13		3,85,637.87	
	2,53,26,840.04		1,29,07,218.54		65,14,637.62		4,47,48,696.20	
VI—Medical Relief and Education—								
A—Hospitals .. .. .	13,93,86,064.41		4,83,57,921.64		1,87,57,005.89		20,65,00,991.94	
B—Maternity Homes .. .. .	60,81,142.10		29,40,786.60		40,43,258.52		1,30,65,187.22	
—Dispensaries .. .. .	79,63,252.37		50,74,149.64		23,13,896.32		1,53,51,298.33	
E—Medical Education .. .. .	2,75,83,785.19						2,75,83,785.19	
F—Statutory Contributions to Government Medical Institutions .. .. .	4,14,500.04						4,14,500.04	
G—Clinic for treatment of Leprosy Cases .. .. .	5,63,373.60		26,437.20		13,218.60		6,03,029.40	
H—Grant-in-Aid to Public Institutions .. .. .	1,77,31,010.36		4,60,598.50		1,75,474.25		1,83,67,083.11	
I—Provident Fund Charges .. .. .	4,21,232.00		58,474.00		23,956.00		5,03,662.00	
K—Debt Charges .. .. .	1,99,24,557.01		70,90,573.40		54,63,989.91		3,24,79,120.32	
	22,00,68,917.08		6,40,08,940.98		3,07,90,799.49		31,48,68,657.55	
Total—Part II .. .. .	24,53,95,757.12		7,69,16,159.52		3,73,05,437.11		35,96,17,353.75	
Total—(A) Revenue Expenditure .. .. .	75,45,51,742.05		26,03,57,442.51		12,48,41,895.33		1,13,97,51,079.89	
B) Capital Account—								
I—General Supervision, Collection of Revenue, etc. .. .. .	28,55,610.18		18,56,516.46		12,18,287.80		59,30,414.44	
IV—Free Reading Rooms and Libraries .. .. .								
V—Public Health Department .. .. .	5,29,811.87		19,09,890.79		27,699.72		24,67,402.38	
VI—Medical Relief and Education .. .. .	1,29,51,033.88		87,91,915.25		13,06,439.45		2,30,49,388.58	
VII—Street Cleansing, Conservancy and Halalkhore Service .. .. .	23,90,519.59		26,03,290.02		24,17,676.78		74,11,486.39	
VIII—Roads, S. W. Drains and Public Lighting .. .. .	26,82,180.49		78,67,576.19		35,49,964.24		1,40,99,720.92	
IX—Mechanical .. .. .	Cr. 13,27,647.73						Cr. 13,27,647.73	
X—Buildings Land Acquisition and Management .. .. .	48,25,927.92		1,03,56,078.18		44,19,580.12		1,96,01,586.22	
XI—Fire Brigade .. .. .	1,32,408.04		10,98,151.24		21,061.22		12,51,620.50	
XII—Licensing, Removal of Encroachment etc. .. .. .	5,96,227.76						5,96,227.76	
XIII—Gardens and Open Spaces .. .. .	17,47,014.42		18,32,727.92		10,01,247.45		45,80,989.79	
XIV—Markets and Slaughter Houses .. .. .	29,09,004.12		20,27,162.91		3,00,438.51		52,36,605.54	
XV—Slum Service and Village Amenities .. .. .			2,34,415.40				2,34,415.40	
XVIII—Industrial Estates .. .. .	1,37,189.56						1,37,189.56	
XXIII—Traffic Operations, Roads and Bridges .. .. .	2,25,07,454.12		3,48,93,865.17		2,04,68,950.11		7,78,70,269.40	
XXIV—Measures to Control Environmental Pollution in Greater Bombay .. .. .	17,98,056.64						17,98,056.64	
Power Laundry .. .. .	649.85						649.85	
Centenary Celebration Works .. .. .			16,08,944.86		15,97,191.39		32,06,136.25	
Plant and Machinery out of Loan Funds .. .. .	85,24,470.42		34,99,324.37		20,27,858.57		1,40,51,653.36	
Suspense Account Mechanical Transport .. .. .	37,441.32		3,36,479.87				3,73,921.19	
Plant and Machinery Purchased out of different Special Funds .. .. .	Cr. 34,38,260.16						Cr. 34,38,260.16	
Clearance of Advance taken for purchase of Plant and Machinery out of Surplus Monies Assets written off .. .. .	34,38,260.16						34,38,260.16	
Recoupment of Advance for Purchase of Capital Stores .. .. .	22,94,525.97						22,94,525.97	
Trust Fund .. .. .								
Total—(B) Capital Expenditure .. .. .	6,55,91,878.42		7,89,16,338.63		3,83,56,395.36		18,28,64,612.41	

## APPENDIX—15—(contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>BUDGET 'A' EXPENDITURE—(Contd.)</b>								
<b>C) Suspense Account</b>								
<b>I—Sinking and Special Fund Accounts</b>								
Sinking Fund Account—Municipal ..	5,83,38,827.52		47,64,428.44		36,84,720.68		6,67,87,976.64	
Special Fund Account. ..	10,14,71,120.62		..		..		10,14,71,120.62	
Loan Redemption Fund ..	..		..		..		..	
<b>Total—I (S. and S. Funds)</b>	<b>15,98,09,948.14</b>		<b>47,64,428.44</b>		<b>36,84,720.68</b>		<b>16,82,59,097.26</b>	
<b>II—Paper and Cash Account</b>								
Sinking Fund. ..	6,56,07,960.25		2,62,23,372.20		1,62,78,766.49		10,81,10,098.94	
Special Fund. ..	12,22,10,638.81		..		..		12,22,10,638.81	
Surplus Fund. ..	18,18,41,161.75		7,02,02,669.96		2,31,58,062.95		27,52,01,894.66	
Loan Fund. ..	200.62		3,84,49,600.00		1,24,59,417.10		5,09,09,217.72	
State Bank of India and Other Local Banks on account of Sundry Deposits. ..	1,65,51,54,761.26		21,07,18,606.79		9,94,58,613.29		1,96,53,31,981.34	
<b>Total—II (Papers and Cash)</b>	<b>2,02,48,14,722.69</b>		<b>34,55,94,248.95</b>		<b>15,13,54,859.83</b>		<b>2,52,17,63,831.47</b>	
<b>III—Other Suspense Accounts</b>								
Deposit Account ..	3,91,94,16,870.02		8,29,44,123.94		3,95,47,579.80		4,04,19,08,573.76	
Reserve Stores Account ..	5,64,18,580.12		..		..		5,64,18,580.12	
Capital Stores Account ..	8,06,85,498.71		..		..		8,06,85,498.71	
Capital Stores Account (Foras Road Depot) ..	60,828.74		..		..		60,828.74	
Advances for purchase of Petrol and Diesel Oil. ..	33,17,387.99		19,44,903.11		..		52,62,291.10	
Advances for Departmental Works. ..	50,55,600.66		67,75,861.08		6,95,618.51		1,25,27,080.25	
Advances for Private Works. ..	32,68,538.83		Cr. 1,51,969.82		51,726.11		31,68,295.12	
Advances Private Works—Traffic Amenities ..	..		..		..		..	
Advances Departmental Works—Traffic Amenities ..	..		6,419.09		..		6,419.09	
Municipal Workshop. ..	31,83,539.21		..		..		31,83,539.21	
Municipal Foundry ..	8,06,746.79		..		..		8,06,746.79	
Worli Crushers. ..	16,500.00		..		..		16,500.00	
Sewri Crushers. ..	..		..		..		..	
Mechanical Transport. ..	2,26,60,806.18		1,49,10,775.15		..		3,75,71,581.33	
Asphalt Plant. ..	30,62,813.25		..		..		30,62,813.25	
Municipal Printing Press ..	86,32,139.81		..		..		86,32,139.81	
Rota Printing Unit. ..	9,14,381.12		..		..		9,14,381.12	
Advances Special Funds. ..	23,65,115.38		..		..		23,65,115.38	
Municipal Contractors. ..	2,25,162.90		42,510.31		14,489.92		2,82,163.13	
Municipal Tenderers. ..	..		..		..		..	
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings. ..	29,88,700.27		66,778.40		9,975.07		30,65,453.74	
Advances to Public including Co-operatives for Housing purposes ..	2,04,84,290.00		..		..		2,04,84,290.00	
Municipal Power Laundry ..	33,48,423.80		..		..		33,48,423.80	
Advances to Municipal Officers ..	8,14,154.00		12,742.05		12,950.00		8,39,846.05	
Advances, Sundry Advances Miscellaneous ..	7,97,43,636.31		4,05,79,277.59		1,23,40,279.81		13,26,63,193.71	
Provident Fund. ..	6,63,31,538.83		1,13,93,361.28		50,24,038.94		8,27,48,939.05	
Pension Fund. ..	1,73,51,789.32		..		..		1,73,51,789.32	
Gratuity Fund. ..	1,24,09,807.96		..		..		1,24,09,807.96	
Welfare Fund ..	8.00		950.00		..		958.00	
Fines Fund. ..	5,105.09		..		..		5,105.09	
Fidelity Guarantee Insurance Fund. ..	3,317.30		..		..		3,317.30	
Reinstatement of Trenches ..	38,77,656.91		23,85,986.55		14,70,325.08		77,33,968.54	
Advances from Surplus Monies for Financing Capital Works Expenditure. ..	4,20,66,587.53		..		..		4,20,66,587.53	
<b>Total—(C)—III—(Other Susp.) C/F</b>	<b>4,35,95,15,525.03</b>		<b>16,09,11,718.73</b>		<b>5,91,66,983.24</b>		<b>4,57,95,94,227.00</b>	

## APPENDIX--15--(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
<b>Budget— 'A' Expenditure-(Contd.)</b>								
<b>Total—(c) III (Other Susp.) B/F</b> ...	<b>4,35,95,15,525.03</b>		<b>16,09,11,718.73</b>		<b>5,91,66,983.24</b>		<b>4,57,95,94,227.00</b>	
Dishonoured cheques. ..	3,44,17,872.33		1,42,92,398.90		84,01,063.05		5,71,11,334.28	
Advances for Halalkhore Service. ..	Cr. 14,32,925.17		31,40,054.18		7,68,887.77		24,76,016.78	
Improving common House Gullies in the city..	5,85,125.64		..		..		5,85,125.64	
Advances for Improvement of Private streets.	..		..		..		..	
Advances for Deposit with Outside Bodies. ..	3,655.00		3,550.00		1,000.00		8,205.00	
Advance for Security Deposit with Central Railway and D.G.S. Delhi. ..	..		..		..		..	
Interest Accrued But Not Paid ..	..		91,500.00		27,640.35		1,19,140.35	
Interest receivable Account. ..	..		..		..		..	
Interest on Loans Payable Account ..	4,25,256.12		3,63,343.77		2,14,624.04		10,03,223.93	
B. M. C. Loans Interest Warrants Payable Account. ..	1,97,52,136.87		1,88,80,724.14		1,20,21,856.04		5,06,54,717.05	
Repayment of B. M. C. Loans ..	34,38,260.16		45,00,000.00		35,00,000.00		1,14,38,260.16	
Cash Bill Outstanding Account ..	6,66,171.30		6,351.44		3,996.43		6,76,519.17	
Cheques Payable ..	5,81,48,62,009.05		61,48,70,636.98		26,65,95,734.25		6,69,63,28,380.28	
Wages Deposit Account ..	2,05,20,109.74		52,24,068.39		23,69,215.46		2,81,13,393.59	
Amount Transferred from Mun. General fund Budget A Div. I to Budget 'E'	22,95,72,629.27		..		..		22,95,72,629.27	
Amount transferred to Budget 'G'	41,82,89,099.81		..		..		41,82,89,099.81	
Amount transferred within Budget 'A' Divisions ..	20,97,73,357.20		26,46,07,941.21		10,87,45,578.12		58,31,26,876.53	
Unadjusted Reserve Stores Account Stock. ..	1,31,85,591.92		..		..		1,31,85,591.92	
Unadjusted Reserve Stores (Foras Road Depot) ..	6,35,660.61		..		..		6,35,660.61	
Municipal Debt. Interest. ..	..		2,93,34,432.52		1,6,70,357.73		4,57,04,790.25	
Advances Suspense Account accumulated Surplus Balance payable to Budget 'G'	2,83,00,000.00		..		..		2,83,00,000.00	
Compost Plant debt charges ..	..		36,276.46		..		36,276.46	
Advances for cons. licition of Passge in Pvt. Comjouds. ..	31,067.90		..		..		31,067.90	
<b>Total—III (Other Susp.)</b> ..	<b>11,15,25,40,602.78</b>		<b>1,11,62,62,996.72</b>		<b>47,81,86,936.48</b>		<b>12,74,69,90,535.98</b>	
<b>Total (C) Suspense Expenditure</b> ..	<b>13,33,71,65,273.61</b>		<b>1,46,66,21,674.11</b>		<b>63,32,26,516.99</b>		<b>15,43,70,13,464.71</b>	
<b>Total Expenditure Budget 'A'</b> ..	<b>14,15,73,08,894.08</b>		<b>1,80,58,95,455.25</b>		<b>79,64,24,807.68</b>		<b>16,75,96,29,157.01</b>	
<b>Tree Authority Budget</b> ..	<b>19,79,647.39</b>		<b>..</b>		<b>..</b>		<b>19,79,647.39</b>	

## Appendix—15 (Contd.)

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.
<b>BUDGET 'B' EXPENDITURE</b>										
<b>IMPROVEMENT SCHEME ACCOUNT</b>										
<b>(A) General Account Expenditure</b>										
A—Maintenance of Properties and Streets ..	3,13,67,121.01		3,68,48,311.66		18,42,023.33		10,41,896.68		7,10,99,352.68	
B—Cost of Management and Establishment ..	87,73,580.42		...		...		...		87,73,580.42	
C—Proportionate Charges on account of Municipal Supervision ..	35,44,512.96		...		...		...		35,44,512.96	
Deduct-Proportionate Share of Cost of Management & Establishment.—										
(a) General Account ..	Cr. 1,11,05,194.41		...		...		...		Cr. 1,11,05,194.41	
(b) Capital Account ..	Cr. 12,12,898.99		...		...		...		Cr. 12,12,898.99	
D—Debt Charges ..	1,37,60,960.11		16,14,534.00		47,34,946.98		42,25,739.00		2,43,36,180.09	
<b>Total (A) General Account Expenditure</b>	<b>4,51,28,081.10</b>		<b>3,84,62,845.66</b>		<b>65,76,970.31</b>		<b>52,67,635.68</b>		<b>9,54,35,532.75</b>	
<b>B) Capital Account Expenditure improvement and Street etc. Schemes Expenditure.</b>										
..	1,22,38,250.51		2,01,12,634.04		2,17,739.92		4,32,400.09		3,30,01,024.56	
Proportionate Share of Cost of Management and & Establishment. ..	12,12,898.99		...		...		...		12,12,898.99	
Deficit in General Account— ..	70,53,353.87		...		36,70,119.54		45,08,299.59		1,52,31,773.00	
<b>Total (B) Capital Expenditure</b>	<b>2,05,04,503.37</b>		<b>2,01,12,634.04</b>		<b>38,87,859.46</b>		<b>49,40,699.68</b>		<b>4,94,45,696.55</b>	
<b>(C) Suspense Account Expenditure</b>										
<b>I—Sinking etc. Fund Account</b>										
(a) Sinking Fund Account ..	28,40,457.29		...		2,928.68		1,696.44		28,45,082.41	
<b>Total—I (S. Fund)</b>	<b>28,40,457.29</b>		<b>...</b>		<b>2,928.68</b>		<b>1,696.44</b>		<b>28,45,082.41</b>	
<b>II—Paper and Cash Accounts</b>										
(a) Sinking Fund. ..	84,01,797.75		4,11,534.00		19,89,626.12		15,33,583.37		1,23,36,541.24	
(b) Capital Fund. ..	...		80.33		203.84		163.77		447.94	
(c) Investment Reserve Fund ..	55.33		..		..		..		55.33	
(d) Rent Equalisation Fund. ..	72.95		...		...		...		72.95	
(e) Amenities Fund. ..	59.60		...		...		...		59.60	
<b>Total—II (Papers and Cash)</b>	<b>84,01,985.63</b>		<b>4,11,614.33</b>		<b>19,89,829.96</b>		<b>15,33,747.14</b>		<b>1,23,37,177.06</b>	
<b>III—Other Suspense Account</b>										
Repayment of B. I. T. etc. Loans ..	44,32,498.00		...		1,80,286.43		1,03,559.47		47,16,343.90	
B. I. T. Interest Warrants Payable Account. ..	...		...		...		...		...	
<b>Total—III (Other Susp.)</b>	<b>44,32,498.00</b>		<b>...</b>		<b>1,80,286.43</b>		<b>1,03,559.47</b>		<b>47,16,343.90</b>	
<b>Total—(C) Suspense Expenditure</b>	<b>1,56,74,910.92</b>		<b>4,11,614.33</b>		<b>21,73,045.07</b>		<b>16,39,603.05</b>		<b>1,98,98,603.37</b>	
<b>Total Expenditure Budget 'B'</b>	<b>8,13,07,525.39</b>		<b>5,89,87,094.03</b>		<b>1,26,37,874.84</b>		<b>1,18,47,338.41</b>		<b>16,47,79,832.67</b>	



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.	Rs.	P.
3,32,90,047.80		3,19,97,419.58		93,98,434.33		7,46,87,901.71		Opening Balance as at 1st April 1979											
								Budget 'A'											
1,02,41,83,584.95		15,77,81,969.97		7,21,13,926.06		1,25,40,79,480.98		(A) Revenue Account	75,45,51,742.05	26,03,57,442.51	12,48,41,895.33	1,13,97,51,079.89							
7,85,13,181.24		9,98,05,330.22		4,76,90,312.46		22,60,08,823.92		(B) Capital Account	6,55,91,878.42	7,89,16,338.63	3,83,56,395.36	18,28,64,612.41							
13,06,19,01,595.12		1,54,33,11,042.62		67,35,06,905.13		15,27,87,19,542.87		(C) Suspense Account	13,33,71,65,273.61	1,46,66,21,674.11	63,32,26,516.99	15,43,70,13,464.71							
14,16,45,98,361.31		1,80,08,98,342.81		79,33,11,143.65		16,75,88,07,847.77		Total—Budget 'A'	14,15,73,08,894.08	1,80,58,95,455.25	79,64,24,807.68	16,75,96,29,157.01							
16,23,069.85						16,23,069.85		Tree Authority Budget	19,79,647.39			19,79,647.39							
								Budget 'B'											
9,54,35,552.75						9,54,35,532.75		(A) General Account	9,54,35,532.75			9,54,35,532.75							
4,58,60,365.01						4,58,60,365.01		(B) Capital Account	4,94,45,696.55			4,94,45,696.55							
2,24,90,234.91						2,24,90,234.91		(C) Suspense Account	1,98,98,603.37			1,98,98,603.37							
16,37,86,132.67						16,37,86,132.67		Total—Budget 'B'	16,47,79,832.67			16,47,79,832.67							
14,33,00,07,563.83		1,80,08,98,342.81		79,33,11,143.65		16,92,42,17,050.29		Total Budgets 'A' + 'B' + TA.	14,32,40,68,374.14	1,80,58,95,455.25	79,64,24,807.68	16,92,63,88,637.07							
								Closing Balance as at 31st March 1980 as reconciled below* with the Cash Position	3,92,29,237.49	2,70,02,307.14	62,84,770.30	7,25,16,314.93*							
14,36,32,97,611.63		1,83,28,97,762.39		80,27,09,577.98		16,99,89,04,952.00		GRAND TOTAL	14,36,32,97,611.63	1,83,28,97,762.39	80,27,09,577.98	16,99,89,04,952.00							
								*Banks Reconciliation :											
								Balance as per Bank's Pass Book	64,81,447.40	93,520.86	3,81,490.77	69,56,459.03							
								Add : Revenue sent to the Bank on 31st March 1980 but acknowledged on 1st April 1980	24,76,667.84	59,90,153.00	27,86,707.71	1,12,53,528.55							
								Less : Uncashed Cheques	1,32,01,743.06	84,57,376.13	83,70,241.44	3,00,29,360.63							
								Total—Bank Position	Dr. 42,43,627.82	Dr. 23,73,702.27	Dr. 52,02,042.96	Dr. 1,18,19,373.05							
								Balance in Bank as per Day Book (Column No. 10)—											
								Balance in Office, i Government Promisory Notes etc.	5,10,050.00	6,32,500.00	9,11,775.00	20,54,325.00							
								Balance in Office in Cash	4,29,62,815.31	1,270.89	1,971.93	4,29,66,058.13							
								Collection kept in office		2,87,42,238.52	1,05,73,066.33	3,93,15,304.85							
								Total—Office Position	4,34,72,865.31	2,93,76,009.41	1,14,86,813.26	8,43,35,687.98							
								Closing Balance as at 31st March 1980 as shown at *above.	3,92,29,237.49	2,70,02,307.14	62,84,770.30	7,25,16,314.93							

## APPENDIX No. 27.

## IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1980.

Particulars	Amounts	Particulars	Amounts
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 35 ...	4,51,28,081	By Revenue Receipts as per Appendix No. 31 ...	3,80,74,727
Balance being Deficit transferred to Capital Account Balance Sheet ...	70,53,354		
Total ...	3,80,74,727	Total ...	3,80,74,727

## APPENDIX No. 28

Slum Clearance Account—(City) General Account for the year ending 31st March 1980.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 36 ...	65,76,970	By Revenue Receipts under— I—Rent and other proceeds of properties ...	29,06,851
		II—Interest and Profits on Investments ...	...
		Balance being Deficit transferred to Capital Account Balance Sheet ...	36,70,119
Total ...	65,76,970	Total ...	65,76,970

## APPENDIX No. 29.

Slum Clearance Account—(Suburbs and Extended Suburbs) General Account for the year ending 31st March 1980.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix 37 ...	52,67,636	By Revenue receipts under— I-(a) Rents and other proceeds of properties ...	5,33,813
		(b) Receipts from Social Welfare Centre at S. G. Barve Nagar ...	14,881
		II—Interest and Profits on Investments ...	28,190
		III—Miscellaneous Receipts ...	1,82,452
		Balance being Deficit transferred to Capital Account Balance Sheet ...	45,08,300
Total ...	52,67,636	Total ...	52,67,636

Div—J

## APPENDIX No. 30.

Improvement schemes A/c. slum Improvement General Account for the year ending 31st March 1980.

Particulars	Amount	Particulars	Amount
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 38. ..	3,84,62,846	By revenue receipts under (i) Hutment Colony ..	1,12,91,190
		(ii) Contribution from Budget .. A' ..	2,71,71,656
		(iii) Subsidy for meeting the deficit ..	..
Total ..	3,84,62,846	Total ..	3,84,62,846

## APPENDIX No. 39

## IMPROVEMENT SCHEMES

Balance Sheet—(Capital Account) as on 31st March 1980.

LIABILITIES			Amount.		ASSETS			Amount.	
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
<b>LIABILITIES OUTSTANDING—</b>					<b>BLOCK ACCOUNT—</b>				
(Vide details as shown in appendix No. 52) ...			16,98,78,631.80		Property & Assets at original cost as per Appendix No. 43 ...			36,92,99,656.27	
Loan Redemption Fund ...			11,06,31,857.26		LESS—ASSETS CREDITED BY—				
Advance from Surplus Moneys ...			4,07,86,448.87		(1) Transfer of Sinking Fund Accumulation 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 ...	8,74,93,405.43			
Book value of land comprised in Schedules 'W' and 'X' ..			47,58,490.00					9,59,31,235.43	
Sinking Fund on Loans ...			11,20,02,524.59					27,33,68,420.84	
<b>SPECIAL FUNDS—</b>					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	
Investment Reserve Fund ..			2,06,26,558.52		<b>INVESTMENT—</b>				
Amenities Fund ..			28,42,179.87		Sinking Fund - In paper & Cash as per Appendix No. 48 ...			11,20,02,524.59	
Rent Equalisation Fund ..			86,13,651.82		Investment Reserve Fund - In Fixed Deposit & Cash ...			2,06,26,558.52	
Less :					Amenities Fund - In Fixed Deposit & Cash ..			28,42,179.87	
			47,01,40,342.73		Rent Equalisation Fund - In Fixed Deposit & Cash ..			86,13,651.82	
<b>SURPLUS REVENUE—</b>					<b>CAPITAL FUND—</b>				
Deficit upto 31st March 1979 ...	4,08,75,163.22				In Fixed Deposits ...				
Add—Deficit during 1979-80 ...	70,53,353.87				In Cash ...				
			4,79,28,517.09						
			42,22,11,825.64					42,22,11,825.64	

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\* For Fair, Book and Market Values of Securities held in the Sinking Funds on 31st March 1979, 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 1980.

LIABILITIES	Amount		ASSETS.	Amount	
	Rs.	P.		Rs.	P.
LOAN OUTSTANDING—			BLOCK ACCOUNT—		
Vide details as shown in Appendix No. 53)	6,12,29,829.57		Property and Assets at original cost as per Appendix No. 44	4,47,48,599.33	
Subsidy from Government	1,06,52,426.00		Investment—		
Sale proceeds up to 31st March 1980	33,028.68		Sinking Fund as per Appendix No. 49	1,64,77,717.27	
Sinking Fund on Loans	1,64,77,717.27		CAPITAL FUND—		
Loan Redemption Fund	13,71,086.43		In Fixed Deposit	...	
Advance from Surplus monies	18,46,103.95		Cash	...	
	9,16,10,191.90				
Deduct—	Rs.	P.			
Deficit upto 31st March 1979	2,67,13,755.76				
Add—Deficit during the year	36,70,119.54				
	—3,03,83,875.30				
Total	6,12,26,316.60		Total	6,12,26,316.60	

## Appendix No. 41

## Slum Clearance Suburbs &amp; Extended Suburbs.

Balance Sheet Capital Account as on 31st March 1980.

LIABILITIES.	Amount		ASSETS.	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 53)	5,29,22,071.72		Block Account—		
Subsidy from Government	57,82,779.00		Property and Assets at original cost as per Appendix No. 45	4,49,79,060.04	
Sinking Fund on Loans	1,05,02,056.43		Investment—		
Sale proceeds upto 31st March 1980	35,41,902.47		Sinking Fund as per App. 50	1,05,02,056.43	
Loan Redemption Fund	7,70,905.28		Capital Fund—		
Advance from Surplus monies	40,61,239.45		In Fixed Deposits	Rs. ...	...
	7,75,80,954.35		Cash	Rs. ...	...
Deduct :					
Deficit upto 31st March 1979	1,75,91,538.29				
Add—Deficit during the year...	45,08,299.59				
	—2,20,99,837.88				
Total	5,54,81,116.47		Total	5,54,81,116.47	

## Appendix No. 42

## Slum Improvement

Balance Sheet Capital Account as on 31st March 1980

LIABILITIES.	AMOUNT		ASSETS.	AMOUNT	
	Rs.	P.		Rs.	P.
Loan Outstanding (Appendix No. 54)	2,00,00,000.00		Block Account—		
Sinking Fund on Loan	11,63,467.52		Property and Assets at original cost as per Appendix No. 46	7,02,80,008.11	
Grant-in-Aid from Govt.	3,42,24,835.00		Investment—		
Advance from Surplus monies	1,60,55,173.11		Sinking Fund as per App. 51	11,63,467.52	
	7,14,43,475.63		Capital Fund—		
			In Fixed Deposits	..	
			Cash	...	
Total	7,14,43,475.63		Total	7,14,43,475.63	

## Appendix No. 43

## IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1980.

Particulars	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80	Total Capital Expenditure upto 31st March 1980	Particulars	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80	Total Capital Expenditure upto 31st March 1980	
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	
<b>CAPITAL ACCOUNT</b>				<b>Brought over ...</b>				33,31,71,432
<b>Improvement and Street Scheme.</b>				<b>Housing Accommodation ...</b>				34,86,438
Schedule W Lands ...	13,45,571	...	13,45,571	Acquisition of land at Mogra for shifting potter from Dharavi to Jogeshwari ...	4,46,161	1,28,185	5,74,346	
Schedule X Lands ...	16,26,471	...	16,26,471	Const. of 100' wide Rd., from King Edward to Jakeria Bunder Road—Acquisition of Port Trust land by B. M. C. ...	28,08,780	...	28,08,780	
Schedule Z Lands ...	8	...	8	Acquisition of Land in survey No. 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	
<b>Scheme No.</b>				Acquisition of land at Borla village	7,00,465	...	7,00,465	
1 First Nagpada ...	29,16,099	...	29,16,099	Acquisition of land bearing C. S. No. 1325 (Part) and 1/325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme ...	1,82,329	...	1,82,329	
2 Princess Street ...	85,08,865	...	85,08,865	Acquisition of land at Poisar and Kandivali in Survey No. 94 and 95 (Part) of Poisar Survey Nos. 126, 128 and 129 (Part) of Kandivli ...	3,51,977	...	3,51,977	
3 Sandhurst Road ...	1,16,02,375	...	1,16,02,375	Taking over explosion victim tenements S. P. Sheds at Shantingar Arthur Road, etc. ...	4,84,801	...	4,84,801	
4 Gamdevi ...	22,88,002	...	22,88,002		33,82,40,094	1,34,51,149	35,16,91,243	
5 Dadar-Matunga ...	1,00,53,384	3,363	1,00,53,384	<b>Police Accommodation Schemes.</b>				
6 Sion-Matunga ...	2,06,56,364	...	2,06,59,727	Scheme No.				
7 Colaba Reclamation ...	4,78,538	...	4,78,538	14 First Nagpada ...	84,450	...	84,450	
8 Mandvi-Koliwada ...	26,52,501	...	26,52,501	16 Wodehouse Road ...	3,22,667	...	3,22,667	
11 Agripada ...	3,127	...	3,127	17 Duncan Road ...	58,981	...	58,981	
13 Souther Street Extension—East-wards ...	68,102	...	68,102	18 Shepherd Road ...	36,223	...	36,223	
27 Mathew Road ...	14,11,129	...	14,11,129	19 Agripada ...	1,79,120	...	1,79,120	
29 Nowroji Hill ...	86,57,482	...	86,57,482	23 Connaught Road ...	79,495	...	79,495	
30 Souther Street Extension—West-wards ...	1,30,512	...	1,30,512	24 Princess Street ...	2,65,953	...	2,65,953	
31 Parel Suparibaug Estate ...	91,42,350	...	91,42,350	25 Gamdevi ...	1,29,407	...	1,29,407	
32 East Agripada ...	50,59,050	...	50,59,050	34 Lamington Road ...	4,61,024	...	4,61,024	
33 Bhatwadi ...	3,28,433	...	3,28,433	35 Sandhurst Road West ...	1,46,104	...	1,46,104	
36 Lamington Road ...	2,91,191	...	2,91,191	39 Sandhuarat Road East ...	7,58,893	...	7,58,893	
37 Sydenham Road ...	1,40,51,180	...	1,40,51,180	40 Byculla ...	8,28,411	...	8,28,411	
41 Undria Street ...	5,72,800	...	5,72,800	44 Maharbaudi ...	2,71,434	...	2,71,434	
43 Parel Road Central ...	38,97,348	...	38,97,348	45 Palton Road ...	5,71,492	...	5,71,492	
47 Parel Road North ...	52,96,220	...	52,96,220	46 Naigaum ...	5,69,142	...	5,69,142	
49 Nepean Sea Road—Reclamation ...	3,053	...	3,053	48 Mahim ...	4,53,032	...	4,53,032	
50 Mazagaon Street ...	40,68,206	...	40,68,206	55 Chinchbunder Road ...	4,32,656	...	4,32,656	
52 Worli Street ...	2,75,33,437	5,56,083	2,80,89,520	55A Mazagaon ...	4,53,560	...	4,53,560	
53 Foras Road ...	36,82,045	...	36,82,045	63 King's Circle (Matunga) ...	4,82,185	...	4,82,185	
54 Kolbhatwadi ...	21,79,254	...	21,79,254	67 Naigaum (for Armed Police and Recruits) ...	24,42,031	...	24,42,031	
55 Bellasis Road ...	19,127	541	19,668	70 Arthur Road ...	1,58,357	...	1,58,357	
56 Dharavi Street ...	1,76,51,383	...	1,76,51,383		91,84,617	...	91,84,617	
57 Sewri-Wadala ...	5,44,14,909	2,41,595	5,46,56,504	<b>Mill Company's Chawl Schemes</b>				
58 Worli-Extension ...	1,38,50,401	33,19,354	1,71,69,755	Scheme No.				
59 Sewri-Koliwada ...	6,91,392	...	6,91,392	42 Spring Mills ...	5,18,990	...	5,18,990	
60 Naigaum Street ...	76,18,685	...	76,18,685	51 Century Mills ...	1,29,980	...	1,29,980	
61 Fergusson Road ...	15,68,030	...	15,68,030	65 David Mills ...	2,96,852	...	2,96,852	
62 Love Lane ...	16,18,731	...	16,18,731		9,45,822	...	9,45,822	
66 Mahaluxmi ...	4,86,705	...	4,86,705	Carried forward ...	34,83,70,531	1,34,51,149	36,18,21,682	
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 ...	15,347	Cr. 307	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 ...	8,10,62,941	52,68,902	8,63,31,843					
Housing of squatters on land Near Mankhurd Railway Station ...	8,38,300	...	8,38,300					
Housing of Squatters on lands near Jogeshwari ...	7,30,846	...	7,30,846					
76 Lohar Chawl Gully ...	4,53,671	...	4,53,671					
77 Housing Accommodation—For Fishermen at Mahim Causeway ...	459	...	459					
Housing of Squatters Acquisition ...	Cr. 44,351	...	Cr. 44,351					
Housing of Squatters at Vikroli ...	151	...	151					
Construction of Dormitories ...	6,92,736	...	6,92,736					
Acquisition of land at Govandi ...	2,56,040	4,46,995	7,03,035					
Carried forward ...	33,31,71,432	98,36,526	34,30,07,958					

## Appendix No. 43—(Concl'd.)

Particulars	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80.	Total Capital Expenditure upto 31st March 1980.	Particulars	Total Capital Expenditure upto 31st March 1979.	Expenditure during 1979-80.	Total Capital Expenditure upto 31st March 1980
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	34,83,70,533	1,34,51,149	36,18,21,682	Brought over ...	34,88,33,844	1,34,51,149	36,22,84,933
<b>Slum Clearance.</b>				Brought over ...	7,56,460	...	7,56,460
Preliminary Expenses ...	22,481	...	22,481	Refund to preliminary expenses to Government ...	38,019	...	38,019
Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance—				Preliminary expenses in connection with the improvements of slum areas ...	68,816	...	68,816
(i) Construction of 244 tenements, etc. ...	2,58,843	...	2,58,843	Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue ...	12,267	...	12,267
(ii) Construction of 210 tenements etc.	1,81,987	...	1,81,987		8,75,562		8,75,562
	4,63,311	...	4,63,311	Discount on Loans ...	14,53,359	—	14,53,359
<b>Miscellaneous.</b>				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 ...	34,88,33,844	1,34,51,149	36,22,84,993	<b>Grand Total ...</b>	<b>35,58,48,507</b>	<b>1,34,51,149</b>	<b>36,92,99,656</b>

This figure includes Rs. 12,12,699 being the share of cost of Management and Establishment chargeable to Capital Account.

Div.—I

## APPENDIX No. 44.

## IMPROVEMENT SCHEMES—SLUM CLEARANCE—CITY.

.. Block account showing details of Capital Expenditure upto 31st March 1980.

PARTICULARS	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80	Total Capital Expenditure upto 31st March 1980
	Rs.	Rs.	Rs.
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) ..	36,60,454	84,589	37,45,043
Total A—Works to be carried out from Municipal Fund ..	68,40,769	84,589	69,25,358
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	..	43,68,636
Permanent Housing for Slum Population ..	3,33,21,454	1,33,151	3,34,54,605
Total B—Works to be carried out with the Government Aid ..	3,76,90,090	1,33,151	3,78,23,241
Grand Total* ..	4,45,30,859	2,17,740	4,47,48,599

\* Previous expenditure amounting to Rs. 4,63,311 upto 31st March 1966 is shown in Appendix No. 26.

## APPENDIX No. 45.

## IMPROVEMENT SCHEMES—SLUM CLEARANCE—SUBURBS.

Block account showing details of Capital Expenditure upto 31st March 1980.

PARTICULARS	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80	Total Capital Expenditure upto 31st March 1980
	Rs.	Rs.	Rs.
Slum Clearance—Suburbs.			
A.—Works to be carried out from Municipal Fund.			
Miscellaneous expenses including Preliminary Expenses (Staff and Contingencies) ..	1,76,01,073	20,651	1,76,21,724
Total A.—Works to be carried out from Municipal Fund ..	1,76,01,073	20,651	1,76,21,724
B.—Works to be carried out with the Government Aid			
(b) Chawl and S. P. Chawls ..	2,69,45,586	4,11,749	2,73,57,335
Total B.—Works to be carried out with the Government Aid..	2,69,45,586	4,11,749	2,73,57,335
Grand Total ..	4,45,46,659	4,32,400	4,49,79,059

## APPENDIX No. 46.

## IMPROVEMENT SCHEMES SLUM IMPROVEMENTS

Block account showing details of Capital Expenditure upto 31st March 1980.

PARTICULARS	Total Capital Expenditure upto 31st March 1979	Expenditure during 1979-80	Total Capital Expenditure upto 31st March 1980
	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 ..	3,09,51,147	1,25,38,432	4,34,89,579
2) Providing additional amenities to Slum population Schemes ..	1,92,16,227	75,74,202	2,67,90,429
TOTAL ..	5,01,67,374	2,01,12,634	7,02,80,008

## APPENDIX No. 52—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1980, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1980.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1980
1	2	3	4	1	2	3	4
			Rs.				Rs.
	<b>Improvement Scheme—</b>				<b>Programme No. 10</b>		
	Loans Raised from the Government.			48	Rs. 1,62,343 Loan, 1966-67	5 3/4%	1,46,280.38
				49	Rs. 2,108 Loan, 1967-68	5 3/4%	1,901.51
				50	Rs. 1,146 Loan, 1967-68	5 3/4%	1,034.37
1	Consolidation loan in respect of Conversion loan Rs. 35 and			51	Rs. 58,984 Loan, 1968-69 Prog. 10...	5 3/4%	53,193.24
	Rs. 8 Lakhs Loans	3.3759%	17,50,631.80		Total—		2,02,409.50
2	Rs. 45 lakhs Loan 1921	4 1/2%	45,00,000.00		<b>Programme No. 11</b>		
3	Rs. 172 lakhs Loan 1922	4 1/2%	1,72,00,000.00	52	Rs. 69,426 Loan, 1968-69	5 3/4%	62,612.27
4	Rs. 89 lakhs Loan 1923	4 1/2%	89,00,000.00	53	Rs. 75,936 Loan, 1969-70	5 3/4%	68,479.88
5	Rs. 100 lakhs Loan 1924	4 1/2%	1,00,00,000.00	54	Rs. 13,725 Loan, 1970-71	6 1/2%	12,518.00
6	Rs. 70 Lakhs Loan 1925	4 1/2%	70,00,000.00		Total—Prog. 11 ..		1,43,610.15
	<b>Total—Govt. Loans</b>		4,93,50,631.80		<b>Total—Govt. Loans</b>		66,93,829.57
	Loans raised from Public—				Loan raised from the Public		
7	Rs. 70 Lakhs Debenture Loan 1920	6%	66,00,000.00	55	Rs. 10 Lakhs Loan, 1956-57	4%	10,00,000.00
8	Rs. 19.28 Lakhs Debenture Loan out of Rs. 19.39 Lakhs Loan, 1956-57.	4%	19,28,000.00	56	Rs. 20 Lakhs Loan, 1957-58	4 1/2%	20,00,000.00
9	Rs. 50 Lakhs Loan, 1959-60	4%	50,00,000.00	57	Rs. 10 Lakhs Loan, 1958-59	4%	10,00,000.00
10	Rs. 70 Lakhs Loan, 1960-61	4 1/2%	70,00,000.00	58	Rs. 25 Lakhs Loan, 1959-60	4%	25,00,000.00
11	Rs. 50 Lakhs Loan, 1961-62	4 1/2%	50,00,000.00	59	Rs. 50 Lakhs Loan, 1961-62	4 1/2%	50,00,000.00
12	Rs. 100 Lakhs Loan 1962-63	4 1/2%	1,00,00,000.00	60	Rs. 30 Lakhs Loan, 1964-65	4 1/2%	30,00,000.00
13	Rs. 50 Lakhs Loan, 1963-64	4 1/2%	50,00,000.00	61	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00
14	Rs. 100 Lakhs Loan, 1965-66	6%	1,00,00,000.00	62	Rs. 25 Lakhs Loan, 1971-72	6%	25,00,000.00
15	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00	63	Rs. 50 Lakhs Loan, 1972-73	6%	50,00,000.00
16	Rs. 50 Lakhs Loan, 1967-68	6%	50,00,000.00	64	Rs. 50 Lakhs Loan, 1973-74	6%	50,00,000.00
17	Rs. 75 Lakhs Loan, 1968-69	6%	75,00,000.00	65	Rs. 75 Lakhs Loan, 1975-76	6 1/2%	75,00,000.00
18	Rs. 250 Lakhs Loan 1976-77	6 1/2%	2,50,00,000.00	66	Rs. 100 Lakhs Loan, 1976-77	6 1/2%	1,00,00,000.00
19	Rs. 275 Lakhs Loan 1977-78	6 1/2%	2,75,00,000.00	67	Rs. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
	<b>Total—Public Loans</b>		12,05,28,000.00		<b>Total—Public Loans</b>		5,45,00,000.00
	<b>Total—Improvement Scheme</b>		16,98,78,631.80		<b>Total—Slum Clearance (City)...</b>		6,11,93,829.57
	<b>Slum Clearance—City—</b>				<b>Slum Clearance—Suburbs &amp; Extd. Suburbs—</b>		
	Loans raised from the Govt.				Loan raised from the Govt.—		
	Programme No. 1			68	Programme No. 2		
20	Rs. 9,50,997 Loan, 1957-58	4 1/2%	7,59,444.64	69	Rs. 307,000 Loan, 1959-60	4 1/2%	2,73,200.60
21	Rs. 6,12,000 Loan, 1958-59	4 1/2%	4,88,729.37	70	Rs. 5,84,000 Loan, 1960-61	4 1/2%	5,19,699.20
22	Rs. 2,73,000 Loan, 1959-60	4 1/2%	2,18,014.06	71	Rs. 3,54,375 Loan, 1962-63	5 1/2%	3,19,402.57
23	Rs. 1,85,000 Loan, 1960-61	4 1/2%	1,47,736.86	72	Rs. 1,67,625 Loan, 1963-64	5 1/2%	1,51,083.16
24	Rs. 5,04,000 Loan, 1961-62	4 1/2%	3,73,734.18	73	Rs. 2,43,364 Loan, 1964-65	5 1/2%	2,19,349.63
25	Rs. 2,64,529 Loan 1962-63	5 1/2%	2,15,997.26		Rs. 11,599 Loan, 1966-67	5 3/4%	10,461.82
26	Rs. 2,50,971 Loan, 1963-64	5 1/2%	2,04,926.68		Total—Prog. 2 ...		14,93,196.98
27	Rs. 47,250 Loan, 1964-65	5 1/2%	38,581.34	74	Programme No. 3		
28	Rs. 2,20,355 Loan, 1964-65	5 1/2%	1,79,927.67	75	Rs. 1,62,000 Loan, 1960-61	4 1/2%	1,06,809.57
29	Rs. 50,504 Loan, 1965-66	5 1/2%	41,185.61	76	Rs. 9,72,000 Loan, 1961-62	4 1/2%	6,40,856.39
30	Rs. 73 Loan, 1965-66	5 1/2%	59.58	77	Rs. 1,00,182 Loan, 1962-63	5 1/2%	68,422.85
31	Rs. 568 Loan 1968-69	5 3/4%	463.28		Rs. 7,818 Loan, 1963-64	5 1/2%	5,340.19
	<b>Total—Prog. 1...</b>		26,68,800.53		<b>Total—Prog. 3...</b>		8,21,429.00
	Programme No. 2			78	Programme No. 4		
32	Rs. 94,500 Loan, 1961-62	4 1/2%	84,092.17	79	Rs. 4,65,300 Loan 1963-64	5 1/2%	4,19,386.52
	<b>Total—Prog. 2...</b>		84,092.17	80	Rs. 1,08,900 Loan 1964-65	5 1/2%	98,155.31
	Programme No. 3			81	Rs. 4,75,911 Loan 1964-65	5 1/2%	4,28,943.94
33	Rs. 9,00,000 Loan 1960-61	4 1/2%	5,93,393.64	82	Rs. 1,31,267 Loan 1965-66	5 1/2%	1,18,380.23
34	Rs. 62,037 Loan 1962-63	5 1/2%	42,370.47	83	Rs. 1,53,917 Loan 1965-66	5 1/2%	1,38,807.82
35	Rs. 9,963 Loan 1963-64	5 1/2%	6,804.87	84	Rs. 1,07,739 Loan 1965-66	5 1/2%	97,161.42
	<b>Total—Prog. 3</b>		6,42,568.98	85	Rs. 1,06,343 Loan 1965-66	5 1/2%	95,902.17
	Programme No. 4			86	Rs. 1,28,865 Loan 1966-67	5 1/2%	11,62,15.52
36	Rs. 3,69,600 Loan, 1963-64	5 1/2%	3,33,130.67	87	Rs. 66,705 Loan 1967-68	5 1/2%	60,158.42
37	Rs. 1,84,800 Loan, 1964-65	5 1/2%	1,66,565.35	88	Rs. 12,159 Loan, 1967-68	5 1/2%	10,967.75
	<b>Total—Prog. 4</b>		4,99,696.02	89	Rs. 22,388 Loan 1968-69	5 1/2%	20,192.84
	Programme No. 6				Rs. 3,519 Loan 1968-69	5 1/2%	3,174.80
38	Rs. 1,53,900 Loan, 1966-67	5 1/2%	1,25,516.83		<b>Total Prog. 4</b>		16,07,445.74
39	Rs. 10,190 Loan, 1967-68	5 3/4%	9,309.88		<b>Total Govt. Loan</b>		33,22,071.72
40	Rs. 6,910 Loan, 1967-68	5 3/4%	5,634.99	90	Loans raised from the Public—		
41	Rs. 57,000 Loan, 1968-69	5 3/4%	45,483.13	91	Rs. 50 Lakhs Loan 1962-63	4 1/2%	50,00,000.00
	<b>Total—Prog. 6</b>		1,85,944.88	92	Rs. 50 Lakhs Loan 1966-67	6%	50,00,000.00
	Programme No. 9			93	Rs. 50 Lakhs Loan 1967-68	6%	50,00,000.00
42	Rs. 6,10,818 Loan, 1966-67	5 3/4%	5,50,853.46	94	Rs. 25 Lakhs Loan 1968-69	6%	25,00,000.00
43	Rs. 5,73,838 Loan, 1967-68	5 3/4%	5,17,503.17	95	Rs. 40 Lakhs Loan 1973-74	6%	40,00,000.00
44	Rs. 7,28,110 Loan, 1968-69	5 3/4%	6,56,627.26	96	Rs. 100 Lakhs Loan 1975-76	6 1/2%	1,00,00,000.00
45	Rs. 1,00,518 Loan, 1968-69	5 3/4%	90,652.92	97	Rs. 125 Lakhs Loan 1976-77	6 1/2%	1,25,00,000.00
46	Rs. 1,04,516 Loan, 1969-70	5 3/4%	94,255.04		Rs. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
47	Rs. 3,91,298 Loan, 1970-71	6 1/2%	3,56,815.49		<b>Total—Public Loans</b>		4,93,00,000.00
	<b>Total—Prog. 9.</b>		22,66,707.34		<b>Total—Slum Clearance (Subs. &amp; Ext. Subs.)</b>		5,29,22,071.72
				98	<b>Slum Improvement—</b>		
					Loans raised from Public :—		
					Rs. 200 Lakhs Loan 1976-77	6 1/2%	2,00,00,000.00
					<b>Total—Slum Improvement</b>		2,00,00,000.00
					<b>Grand Total—Budget 'B'</b>		30,39,94,533.09



**APPENDIX**  
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. Regrn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1980
					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, Sewree	16	2854/71	3,27,000	122 419	20-6-1972 20-4-1973	3,27,000
6	Mitra-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	29-3-1973 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 Employers	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	4390/75	4,93,000	618	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	Kinaya, 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 Anantara, Borivli	21	4507/75	5,96,000	77	20-6-1975	5,96,000
28	Municipal Staff Salayog, 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		2,88,02,760			2,77,22,760

No. 58

of the Municipal Employees as on 31st March 1980  
(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 1-4-1979	Amount of Loan paid during 1979-80	Less : Loan Amount repaid during 1979-80	Loan Balance outstanding as on 31-3-1980	Interest outstanding as on 31-3-1979	Interest Accrued during 1979-80	Less : Interest recovered during 1979-80	Interest outstanding as on 1-4-1980†		
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	Date	Month
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.		
5,74,068.00	...	62,064.00	5,12,004.00	4,66,566.90	34,146.98	...	5,00,713.88	26	5/8/11/2
5,39,970.00	...	52,680.00	4,87,290.00	3,09,021.40	31,831.26	...	3,40,852.66	7	4/7/10/1
91,200.00	...	9,600.00	81,600.00	57,636.57	5,346.13	...	62,982.70	5	4/7/10/1
36,43,200.00	...	1,50,400.00	34,92,800.00	7,88,226.52	2,22,844.93	...	10,11,071.45	17	4/7/10/1
2,23,919.00	...	30,660.00	1,99,250.00	1,14,081.78	13,543.35	...	1,27,625.13	29	6/9/12/3
6,45,750.00	...	63,000.00	5,82,750.00	3,43,507.69	38,714.25	...	3,82,221.94	6	6/9/12/3
4,82,460.00	...	43,860.00	4,38,600.00	2,27,918.33	29,256.27	...	2,57,174.60	30	6/9/12/3
1,87,200.00	...	19,500.00	1,67,700.00	82,571.79	11,184.43	...	93,756.22	26	5/8/11/2
12,19,200.00	...	1,01,600.00	11,17,600.00	4,94,056.45	72,864.11	...	5,66,920.56	26	4/7/10/1
5,39,000.00	...	49,000.00	4,90,000.00	2,37,860.95	32,663.87	...	2,70,524.82	29	6/9/12/3
3,84,160.00	...	39,200.00	3,44,960.00	1,47,708.49	22,833.98	...	1,70,542.47	26	6/9/12/3
3,45,000.00	...	30,000.00	3,15,000.00	1,42,910.62	20,744.42	...	1,63,655.04	last day ;	5/8/11/2
3,27,680.00	...	26,752.00	3,00,928.00	1,24,346.34	19,846.69	...	1,44,193.03	30	5-8/11/2
3,06,900.00	...	34,875.00	2,72,025.00	1,57,406.98	18,123.05	...	1,75,530.03	19	6/9/12/3
2,06,280.00	...	11,460.00	1,94,820.00	67,877.68	12,515.73	...	80,393.41	10	6/9/12/3
4,62,000.00	...	44,040.00	4,17,960.00	1,36,339.68	27,568.22	...	1,63,907.90	7	6/9/12/3
15,44,675.00	...	1,37,830.00	14,06,845.00	4,86,682.72	92,950.94	...	5,79,633.66	1	4/7/10/1
3,43,650.00	...	30,600.00	3,13,050.00	1,25,167.00	20,803.40	...	1,45,970.40	27	6/9/12/3
4,72,500.00	...	43,750.00	4,28,750.00	1,29,560.03	27,880.13	...	1,57,440.16	1	5/8/11/2
2,26,200.00	...	17,400.00	2,03,800.00	65,162.47	13,798.57	...	78,961.04	13	6/9/12/3
6,77,231.25	...	83,231.25	5,94,000.00	1,69,987.47	39,167.40	...	2,09,154.87	1	4/7/10/1
3,77,300.00	...	30,800.00	3,46,500.00	1,06,628.96	22,753.22	...	1,29,382.18	30	5/8/11/2
11,13,250.00	...	81,000.00	10,32,250.00	2,73,272.53	67,667.49	...	3,40,940.02	6	6/9/12/3
4,54,680.00	...	33,680.00	4,21,000.00	1,10,005.33	27,623.07	...	1,37,628.40	17	6/9/12/3
2,53,800.00	...	14,100.00	2,39,700.00	59,164.29	15,357.88	...	74,522.17	18	5/8/11/2
6,32,500.00	...	57,500.00	5,75,000.00	1,42,745.49	37,873.20	...	1,80,618.69	23	6/9/12/3
10,75,900.00	...	1,01,500.00	9,74,400.00	2,51,646.06	63,020.65	...	3,14,666.71	8	5/8/11/2
4,74,300.00	...	37,200.00	4,37,100.00	1,14,635.29	28,452.58	...	1,43,137.87	30	4/7/10/1
17,81,520.00	...	1,71,300.00	16,10,220.00	4,17,521.70	1,05,601.80	...	5,23,123.50	29	5/8/11/2
3,45,100.00	...	23,800.00	3,21,300.00	72,187.97	21,038.95	...	93,226.92	24	6/9/12/3
7,36,700.00	...	69,500.00	6,67,200.00	1,57,789.93	44,027.77	...	2,01,817.70	5	6/9/12/3
15,93,720.00	...	1,11,840.00	14,81,880.00	3,13,424.01	95,576.32	...	4,09,000.33	5	4/7/10/1
2,22,87,004.25	...	18,13,722.24	2,04,73,282.00	68,93,669.42	13,37,521.04	...	82,31,290.46		

## APPENDIX

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. Regn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1980
					Improvement Committee Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
	Total—Brought forward	1,063		Rs. 2,88,02,760			Rs. 2,77,22,760
32	Gabhasti, Jogeshwari	16	4658/75	4,83,150	653	9-3-1976	4,83,150
33	Amol, Mulund (East)	93	4237/74	32,92,000	640 518	9-3-1976 13-11-1978	32,44,000
34	Ruturajan, Andheri (East)	12	4623/75	2,45,160	617	2-3-1976	2,45,160
35	Bilwakunja, Mulund (West)	106	4402/75	31,70,300	511	21-1-1976	31,70,300
36	Om Shri Gokul, Borivli (West)	63	4660/75	19,44,900	567	10-2-1976	19,44,900
37	Vishramyog, Borivli (West)	252	4086/73	50,40,500	656	19-3-1976	50,40,500
38	Anjalikiran, Vakola	80	4136/74	21,50,000	643	9-3-1976	21,50,000
39	Titirsha, Chskala	12	4648/75	2,68,500	655	9-3-1976	2,68,500
40	Om Satya Vinayak, Borivli	62	4607/75	20,04,900	85	27-7-1976	20,04,900
41	Municipal Satyam, Mulund	12	4712/76	4,70,400	634	9-3-1976	4,70,400
42	Municipal Staff Huma, Andheri (West)	24	4861/76	8,50,000	269	16-10-1976	8,50,000
43	Giri Kujan, Andheri (East)	13	4847/76	5,18,000	155	25-8-1976	5,18,000
44	Adarsha Vasant Bahar, Bldg. I Vile Parle (East)	20	4650/75	8,74,000	184	14-9-1976	8,74,000
	do. Bldg. II	28		11,13,000	21	7-6-1977	10,88,000
45	Datta Dham, Kandivli (West)	11	4825/76	3,37,400	154	25-8-1976	3,37,400
46	Muktanagan, Dahisar (East)	32	4777/76	7,25,000	259	16-10-1976	7,25,000
47	Neelayam, Mulund (West)	12	4526/75	3,32,000	185	14-9-1976	3,32,000
48	Nutan Nishigandh, Vile Parle (East)	21	4633/75	9,79,000	311	27-11-1976	9,79,000
49	Nav Sai Prasad, Mulund	25	4640/75	7,99,920	360	7-12-1976	7,99,920
50	Taruvel, Andheri (East)	60	4559/75	13,99,700	177	14-9-1976	13,99,700
51	Ila Darshan, Andheri (West)	40	4190/74	10,63,000	265	16-10-1976	10,63,000
52	Dharmashetra No. 4, Borivli (West)	12	4324/74	3,17,000	263	16-10-1976	3,17,000
53	Galaxi Municipal Teachers, Andheri (West)	20	4568/75	5,06,000	186	14-9-1976	5,06,000
54	Sion Bhagyodaya Sion	20	4473/75	5,68,000	178	14-9-1976	5,68,000
55	Vile Parle Dhanshri	10	4560/75	3,32,000	271	16-10-1976	3,32,000
56	Bombay Fire Fighters	53	4750/76	10,74,000	318	27-11-1976	10,74,000
57	Mai Krupa Sagar, Mahim	19	4379/74	5,46,000	315	27-11-1976	5,46,000
58	Kandivali Priya Darshini	43	4590/75	10,83,000	278	16-10-1976	10,83,000
59	Municipal Staff Mandar, Borivali (West)	52	4957/76	16,00,900	19	7-6-1977	16,00,900
60	Om Shubham Karoti, Kiroi	16	4335/74	5,43,180	261	16-10-1976	5,43,180
61	Samata, Mulund	16	4147/74	6,04,000	339	3-12-1976	6,04,000
62	Om Jai Shri Gurukrupa, Kanheri	64	4819/76	14,22,900	561	1-3-1977	14,22,900
63	Joy Pragati, Kondivita	35	4732/76	10,01,300	524	8-2-1977	10,01,300
64	New Nahur Gurukrupa, Mulund	45	4672/75	13,17,000	570	1-3-1977	13,17,000
65	Tree Shade, Gundavali Bldg. No. I	90	4256/74	33,67,000	275	16-10-1976	33,67,000
	do. Bldg. No. II	50		26,94,400	516 & 564	13-11-1978	19,66,400
66	Nathaji Dwar, Kandivali (East)	12	4137/75	3,02,800	52	12-7-1977	3,02,800
67	Municipal Shree Jagadamba, Magathane	63	4859/76	17,64,400	25	7-6-1977	17,64,400
68	Vile Parle Shreeji	16	5153/77	4,90,300	241	9-8-1977	4,90,300
69	Naveen Anand, Mulund	15	4766/76	4,81,000	17	7-6-1977	4,81,000
	Total Carried over	2,708		7,68,78,270			7,49,97,770

No. 58—Contd.

of the Municipal Employees as on 31st March 1980

Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 1-4-1979	Amount of Loan paid during 1979-80	Less : Loan Amount repaid during 1979-80	Loan Balance outstanding as on 31-3-1980	Interest outstanding as on 31-3-1979	Interest Accrued during 1979-80	Less : Interest recovered during 1979-80	Interest outstanding as on 1-4-1980†		
(8A)	(8B)	(8C)	(8D)	(9A)	(9B)	(9C)	(9D)	Date	Month
Rs. P.	Rs.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.		
2,22,87,004.25	...	18,13,722.25	2,04,73,282.00	68,93,669.42	13,37,621 04	...	82,31,290.46		
4,27,500.00	...	30,000.00	3,97,500.00	77,205 41	26,012 41	...	1,03,217.82	17	6/9/12/3
29,44,000.00	3,00,000	...	32,44,000.00	4,38,676 47	1,98,374 11	...	6,37,050.58	4	5/8/11/2
2,28,000.00	...	15,200.00	2,12,800.00	40,454 65	13,789 31	...	54,243.96	7	5/8/11/2
31,70,300.00	...	...	31,70,300.00	4,46,990 91	1,98,686 75	...	6,45,677.66	4	3/6/9/12
16,10,140.00	...	1,21,520.00	14,88,620.00	3,17,414 51	97,351 28	...	4,14,765.79	29	5-8-11-2
50,40,500.00	...	78,800.00	49,61,691.00	6,64,241 72	3,14,841 48	...	9,79,083.20	5	6/9/12/3
21,50,000.00	...	1,34,600.00	20,15,400.00	2,99,730 09	1,31,505 17	...	4,31,235.26	28	6/9/12/3
2,49,000.00	...	16,600.00	2,32,400.00	38,538 94	15,367 90	...	53,606.84	10	5/8/22/2
20,64,900.00	...	62,652.00	19,42,248.00	2,38,232 63	1,24,297 89	...	3,62,530.52	12	9/12/3/6
4,18,950.00	...	44,100.00	3,74,850.00	68,879 87	24,939 66	...	93,819.53	5	4/7/10/1
8,30,000.00	...	86,320.00	7,43,680.00	1,16,172 13	48,567 32	...	1,64,739.45	23	11/2/5/8
4,52,962.00	...	32,536.00	4,20,426.00	68,356 77	27,564 53	...	95,921.30	5	4/7/10/1
7,64,400.00	...	54,600.00	7,09,800.00	1,09,024 57	46,440 40	...	1,55,464.97	12	6/9/12/3
7,23,450.00	3,64,550	51,000.00	10,37,000.00	64,788 46	66,605 67	...	1,31,394.13	3	7-10/1/4
3,20,250.00	..	47,250.00	2,73,000.00	43,894 16	17,920 12	...	61,814.28	2	5/8/11/2
6,32,800.00	..	45,200.00	5,87,600.00	91,304 09	38,195 56	...	1,29,499.65	10	5/8/11/2
3,32,000.00	...	21,200.00	3,10,800.00	36,585 41	20,168 87	...	56,754.28	4	2/5/8/11
9,63,270.00	..	61,160.00	9,02,110.00	1,01,684 92	57,994 17	...	1,59,079.09	3	1/4/7/10
7,86,870.00	...	49,960.00	7,36,910.00	82,957 10	47,404 26	...	1,30,361.36	5	1/4/7/10
13,99,700.00	...	...	13,99,700.00	1,27,974 38	87,720 98	...	2,15,695.36	17	3/6/9/12
10,63,000.00	...	...	10,63,000.00	97,772 41	66,619 56	...	1,64,391.97	11	3/6/9/12
3,17,000.00	...	24,950.00	2,92,050.00	31,415 04	19,054 64	...	50,469.68	17	3/6/9/12
5,06,000.00	...	...	5,06,000.00	38,595 52	31,711 66	...	70,307.18	10	3/6/9/12
5,68,000.00	...	...	5,68,000.00	38,121 19	35,597 28	...	73,718.47	30	4/7/10/2
3,16,390.00	...	20,760.00	2,95,630.00	29,295 72	19,246 43	...	48,542.15	5	5/9/12/3
10,74,000.00	...	16,860.00	10,57,140.00	98,793 36	67,147 27	...	1,65,940.63	21	5/8/11/2
5,10,000.00	...	34,000.00	4,76,000.00	46,634 15	31,022 09	...	77,656.24	last day	6/9/12/3
10,83,000.00	...	...	10,83,000.00	66,630 50	67,872 99	...	1,34,503.49	28	7/10/1/4
14,50,000.00	...	1,00,000.00	13,50,000.00	1,59,187 20	88,223 49	...	2,47,410.69	1	5/8/11/2
5,43,180.00	...	...	5,43,180.00	35,732 63	34,041 78	...	69,774.41	...	...
6,04,000.00	...	40,000.00	5,64,000.00	49,933 46	35,575 56	...	86,509.02	2	3/6/9/12
12,87,600.00	...	88,800.00	11,98,800.00	1,32,821 48	78,266 43	...	2,11,087.91	9	6/9/12/3
10,01,300.00	...	15,980.00	9,85,320.00	99,898 64	62,085 08	...	1,61,983.72	10	6/9/12/3
13,17,000.00	...	1,03,370.00	12,13,630.00	1,11,076 84	78,873 86	...	1,89,950.70	23	2/5/8/11
33,67,000.00	...	...	33,67,000.00	2,50,795 55	2,11,614 19	...	4,61,809.74	17	9/12/3/6
12,78,160.00	6,88,240	...	19,66,400.00	8,973 39	50,304 85	...	53,278.24	...	...
3,02,800.00	...	20,800.00	2,82,000.00	19,391 64	18,191 25	...	37,582.89	18	4/7/10/2
16,22,500.00	...	1,10,000.00	15,12,500.00	1,51,606 65	97,846 37	...	2,49,453.02	26	1/4/7/10
4,48,400.00	...	30,400.00	4,18,000.00	42,920 77	26,973 49	...	69,894.26	13	4/7/10/17
4,81,000.00	...	30,100.00	4,50,900.00	35,230 79	29,387 59	...	64,618.38	...	...
6,68,76,326.25	13,52,790	34,02,449.25	6,48,26,667.00	1,19,11,003.45	40,91,124.74	...	1,60,02,128.28		

## APPENDIX

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. Regn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1980
					Improvement Committed Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
				Rs.			Rs.
	Total—Brought over ...	2,708		7,68,78,770			7,49,97,770
70	Malod Swami Prasad ...	47	4643/75	13,37,200	24	7-6-1977	8,69,180
71	Curupushya, 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	15,03,700
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	255	20-7-1979	3,37,200
85	Ankur Palace Borivli ...	24	5161/27	8,03,000	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	4677/75	13,76,000	652	14-3-1977	13,76,000
88	M.C.G.B. Sujata Mulund ...	23	5020/76	2,00,000	559	16-1-1980	6,81,600
89	Kshirsudha ...	12	4469/76	3,63,600	405	30-11-1977	6,81,600
90	Jai Ambika ...	10	5311/78	2,48,800	51	12-7-1977	2,36,340
91	Kajal Kiran Mulund ...	10	5311/78	2,48,800	122	27-6-1978	2,48,800
92	Kajal Kiran Mulund ...	37	5370/78	12,44,400	103	27-6-1978	12,44,400
93	Municipal Employees Hina Kutir Borivli ...	39	5152/77	9,54,600	518	17-1-1978	9,54,600
94	Municipal Staff Sahjivan Mulund ...	12	5109/77	4,46,000	50	12-7-1977	4,46,000
95	M.C.G.B. Malbar ...	14	5008/76	4,50,800	305	30-8-1977	4,50,800
96	Municipal Employees Prem, Andheri ...	78	5293/78	21,10,700	99	27-6-1978	20,17,755
97	Municipal Employees Tara Rani ...	32	5031/78	8,32,000	111	27-6-1978	8,32,000
98	Jogeshwari Santoshimata ...	40	5078/77	12,46,500	671	27-2-1980	12,46,500
99	Municipal Employees Awantika ...	48	5060/77	16,48,000	457	6-12-1977	16,48,000
100	Seeveetesh Niwas ...	11	5308/78	2,80,800	102	27-6-1978	16,48,000
101	Sea Lord ...	12	5252/78	4,59,300	386	19-9-1978	2,80,800
102	Municipal Employees Nrelan ...	26	4334/78	11,85,900	488	12-10-1978	4,59,300
103	Devdatta ...	40	5263/77	7,36,000	121	27-6-1978	11,25,900
104	Andheri Anuchaya ...	17	5352/78	7,11,800	351	8-9-1978	7,00,400
	TOTAL ...	3632		10,39,24,330	110	27-6-1978	7,11,800
							10,16,52,230

No. 58—Concl'd.

of the Municipal Employees as on 31st March 1980

(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENTS	
Loan Balance outstanding as on 1-4-1979	Amount of Loan paid during 1979-80	Less : Loan Amount repaid during 1979-80	Loan Balance outstanding as on 31-3-1980	Interest outstanding as on 1-4-1979	Interest Accrued during 1979-80	Less : Interest recovered during 1979-80	Interest outstanding as on 31-3-1980 †		
(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
6,68,76,326.25	13,52,790.00	34,02,449.25	6,48,26,667.00	1,19,11,003 54	40,91,124 74		1,60,02,128.28		
4,01,160	4,68,020.00	...	8,69,180.00	35,925 82	31,632 58	...	67,558 40	...	...
2,40,760	...	...	2,40,760.00	19,366 73	15,088 73	...	34,455 46	...	...
5,20,400	...	40,730.00	4,79,670.00	42,620 06	31,631 03	...	74,261 09	8	11/2/3/8
4,55,200	...	22,100.00	4,33,100.00	26,859 93	28,026 91	...	54,886 84	22	8/11/2/5
7,05,120	3,79,680.00	...	10,84,800.00	33,667 82	61,744 48	...	95,412 30	...	...
15,06,700	...	1,18,400.00	13,88,300.00	93,949 52	90,432 81	...	1,84,382 33	21	1/4/7/10
95,775	...	...	95,775 00	7,379 93	6,002 34	...	13,382 27	...	...
5,16,000	...	...	5,16,000 00	20,158 46	32,338 37	...	52,496 83	...	...
6,66,730	...	54,650.00	6,12,080.00	49,461 60	39,898 24	...	89,299 84	9	5/8/11/2
19,64,160	...	1,26,720.00	18,37,440.00	1,26,277 81	1,18,545 10	...	2,44,822 91	29	9/12/3/6
2,95,800	...	13,980.00	2,81,820.00	17,943 01	18,069 70	...	36,012 71	28	9/12/3/6
8,02,200	...	24,175.00	7,78,025.00	55,217 97	49,819 54	...	1,05,037 51	14	6/9/12/3
4,50,000	...	30,000.00	4,20,000.00	30,434 66	27,427 65	...	57,862 31	18	6/9/12/3
6,39,200	31,900.00	10,545.00	6,60,555.00	29,125 20	40,544 76	...	69,669.96	19	1/4/7/10
3,37,200	...	21,600.00	3,15,600.00	17,627.94	20,543.51	...	38,171.45	13	6/9/12/3
7,70,125	...	50,500.00	7,19,625.00	44,697.70	46,634.69	...	91,332.39	10	8/11/2/5
5,30,800	...	25,110.00	5,05,690.00	16,505.69	32,660.04	...	49,165.73	10	8/11/2/5
8,94,400	4,81,600.00	...	13,76,000.00	32,020.29	71,474.29	...	1,03,494.58	...	...
6,81,600	...	31,950.00	6,49,650.00	25,635.86	41,894.27	...	67,530.13	30	4/7/10/1
1,09,080	1,27,260.00	...	2,36,340.00	5,995.08	11,717.38	...	17,712.46	...	...
2,35,600	...	15,200.00	2,20,400.00	9,909.65	14,260.40	...	24,170.05	5	11/2/5/8
12,44,400	...	73,000.00	11,66,400.00	29,924.50	76,122.85	...	1,06,047.35	27	6/9/12/3
9,24,690	...	59,500.00	8,65,190.00	39,982.14	55,898.53	...	95,880.67	27	10/1/4/7
4,38,480	...	27,840.00	4,10,640.00	13,392.16	26,432.50	...	39,824.66	7	1/4/7/10
4,43,520	...	28,160.00	4,15,360.00	12,114.03	26,804.52	...	38,918.55	25	1/4/7/10
19,53,000	...	1,26,000.00	18,27,000.00	68,044.20	1,19,112.14	...	1,87,156.34	14	12/3/6/9
5,40,800	2,91,200.00	...	8,32,000.00	8,889.86	40,923.31	...	49,813.17	...	...
8,10,225	4,36,275.00	...	12,46,500.00	15,261.10	51,300.76	...	66,561.86	...	...
10,71,200	5,76,800.00	...	16,48,000.00	27,513.72	74,837.30	...	1,02,351.02	...	...
84,240	1,96,560.00	...	2,80,800.00	1,341.50	14,754.02	...	16,095.52	...	...
2,98,545	1,60,755.00	...	4,59,300.00	3,016.12	26,527.73	...	29,543.85	12	8/11/2/5
11,25,900	...	71,730.00	10,54,170.00	16,965.63	67,897.74	...	84,863.37	3	4/7/10/1
7,00,400	...	43,800.00	6,56,600.00	1,199.32	42,809.31	...	44,008.63	22	6/9/12/3
4,62,670	2,49,130.00	...	7,11,800.00	713.20	38,722.43	...	39,435.63	29	4/7/10/1
8,97,92,406.25	47,51,970.00	44,23,139.25	9,01,21,237.00	1,28,90,091.75	55,83,654.70	...	1,84,73,746.45		

## APPENDIX

## 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. Regn. No. BOM/HSC	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1980
					Improvement Committed Resolution		
					No.	Date	
(1)	(2)	(3)	(4)	(5)	(6A)	(6B)	(7)
	Brought Over	3632		Rs. 10,39,24,330			Rs. 10,16,56,280
104	Mulund Raviraj	37	5032/76	10,73,000	143	4-7-78	6,97,450
105	Green Shadow Santacruz (West)	10	5503/78	3,19,000	562	27-6-1978	2,07,350
106	Municipal Employces 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	3,60,945
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	685	13-2-1979	16,76,900
110	Municipal Employces Sudhoushu (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	3,33,330
112	Gilbird (Andheri)	48	5375/78	18,95,700	86	27-4-1979	5,68,710
113	Ueka (Dconar)	21	4759/76	6,36,700	194	20-7-1979	4,13,855
114	Om Budhi (Andheri)	28	5266/77	11,11,500	116	27-6-1978	11,11,500
115	Parwatraji (Dahisar)	16	4782/76	3,86,800	113	10-7-1979	3,86,800
116	Municipal Employces Chinmay (Malad)	15	5594/78	5,55,700	136	10-7-1979	3,61,205
117	Jai Om Shri Narayan	34	4726/74	11,27,300	125	10-7-1979	7,32,745
118	Municipal Staff Madhukunj (Borivali)	90	5734/79	24,55,500	235	14-8-1979	15,96,075
119	Saba (Andheri)	71	5599/78	21,56,500	132	10-7-1979	19,60,875
120	Dhyanadhara (Malad)	15	5108/77	4,12,800	729	27-3-1979	1,23,840
121	Divyaprakash Andheri (West)	26	5199/77	10,64,900	137	10-7-1979	3,19,470
122	Municipal Employces Aruracharau Goregaon	68	4762/76	22,16,900	511	28-11-1979	6,65,070
123	Alka Chunabhatti	33	5547/78	10,60,700	510	28-11-1979	6,40,020
124	Municipal Employces Shweta	13	5740/79	5,57,100	139	10-7-1979	1,67,130
125	Quest Chembur.	18	4942/76	4,89,600	100	27-6-1978	1,46,880
126	Dattatru. N:igaun (Dadar)	20	4216/74	6,42,200	563	16-1-1980	1,92,660
		4397	...	12,88,32,030			11,77,21,590

† Interest at 6½ per cent. per annum on Loan is recoverable in 32 quarterly equated instalments 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 Employces etc. as per the condition laid down in the Improvement Committee's Resolution, Nos. 455 of 12-1-1971, No. 406 of 22-10-1972 and 323 of 4-9-79.

No. 58 (Concl'd)

of the Municipal Employees as on 31st March 1980.  
(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENT
Loan Balance amounting as on 1-4-1979	Amount of Loan paid during 1979-80	Less: Loan Amount repaid during 1979-80	Loan Balance outstanding as on 31-3-1980	Interest outstanding as on 1-4-1979	Interest Accrued during 1979-80	Less: Interest recovered during 1979-80	Interest outstanding as on 31-3-1980 †	
(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.	
8,97,92,406.25	47,51,970.00	44,23,139.25	9,01,21,237.00	1,28,90,091.75	55,83,654.70	...	1,84,73,746.45	
...	6,97,450.00	...	6,97,450.00	...	41,799.25	...	41,799.25	
...	2,07,350.00	...	2,07,350.00	...	8,392.86	...	8,392.86	
...	9,61,700.00	...	9,61,700.00	...	37,007.61	...	37,007.61	
...	3,60,945.00	...	3,60,945.00	...	12,256.53	...	12,256.53	
...	19,40,000.00	...	19,40,000.00	...	84,077.79	...	84,077.79	
...	16,76,900.00	...	16,76,900.00	...	64,233.34	...	64,233.34	
...	5,00,800.00	25,000.00	4,75,800.00	...	25,937.50	...	25,937.50	
...	3,33,330.00	...	3,33,330.00	...	17,066.05	...	17,066.05	
...	5,68,710.00	...	5,68,710.00	...	22,203.07	...	22,203.07	
...	4,13,855.00	...	4,13,855.00	...	11,878.16	...	11,878.16	
...	11,11,500.00	...	11,11,500.00	...	43,955.66	...	43,955.66	
...	3,86,800.00	...	3,86,800.00	...	8,279.11	...	8,279.11	
...	3,61,205.00	...	3,61,205.00	...	7,707.30	...	7,707.30	
...	7,32,745.00	...	7,32,745.00	...	18,202.81	...	18,202.81	
...	15,96,075.00	...	15,96,075.00	...	54,660.14	...	54,660.14	
...	19,60,875.00	30,681.00	19,30,194.00	...	51,419.09	...	51,419.09	
...	1,23,840.00	...	1,23,840.00	...	2,905.15	...	2,905.15	
...	3,19,470.00	...	3,19,470.00	...	4,978.04	...	4,978.04	
...	6,65,070.00	...	6,65,070.00	...	10,249.37	...	10,249.37	
...	6,40,020.00	...	6,40,020.00	...	8,986.58	...	8,986.58	
...	1,67,130.00	...	1,67,130.00	...	2,232.21	...	2,232.21	
...	1,46,880.00	...	1,46,880.00	...	1,836.00	...	1,836.00	
...	1,92,660.00	...	1,92,660.00	...	1,055.67	...	1,055.67	
3,97,92,406.25	2,08,17,280.0	44,78,820.25	10,61,30,866.00	1,28,90,091.75	61,24,973.99	...	1,90,15,065.74	

Rs.

Rs.

Credit Reconciliation  
As per Abstract

45,08,521.25

Debits— Reconciliation :-  
As per Abstract

2,04,84,290.00

Less: Credit given by W. O. Estates in respect of  
Buildings Constructed by the Corporation.

29,701.00

Add: Debits raised during 1978-79 but payments  
released during 1979-80

4,60,250.00

As per column (8C) above

44,78,820.25

2,09,44,540.00

Less: Debits raised during 1979-80 but payments  
outstanding as on 31-3-1980

1,27,260.00

As per Column (8B) above.

2,08,17,280.00



APPENDIX No. 59

EDUCATION FUND

Revenue Account for the year ended 31st March 1980.

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure	23,24,51,954	17	By Revenue Receipts	22,85,04,409	03
	...	...	By Balance being deficit for the year	39,47,545	14
<b>Total</b>	<b>23,24,51,954</b>	<b>17</b>		<b>23,24,51,954</b>	<b>17</b>
To Revenue Expenditure to be incurred in 1980-81 and provided for as Renewed Grants...	3,07,00,000	00	By Surplus Revenue Fund as at 1st April 1979	1,55,69,659	39
To Deficit for the year	39,47,545	14	By Revenue of previous years reserved for the year 1979-80	2,25,00,000	00
To Balance being Surplus Revenue Fund as at 31st March 1980	34,22,114	25		...	...
<b>Total</b>	<b>3,80,69,659</b>	<b>39</b>	<b>Total</b>	<b>3,80,69,659</b>	<b>39</b>

Div.—I

## APPENDIX No. 62

## EDUCATION FUND

Revised Account Balance Sheet as at 31st March 1980.

Liabilities.		Assets	
	Rs.	P.	
Due on Cheques Payable ...	35,16,395	36	Cash at Bank Rs. —12,72,512 85 Cash in Office Rs. 2,64,806 90
Due on Outstanding Charges on account of Interest Accrued but Not Paid (Appendix—69) ...	24,57,836	39	Cr.10,07,705 95 Education Loan Interest Warrants Payable Account. 10,666 00
Unclaimed Dues & Deposits (Refundable) Account (Appendix—67) ...	4,31,582	70	Advances—Recoverable Municipal Officers Rs. 4,43,244 31 Sundries—Miscellaneous advances Rs 29,18,130 58 (Appendix—67) 33,61,374 89
Deposits in Cash and Public Securities from Contractors and Private Parties. (Appendix—68) ...	1,46,69,668	28	Deposits— In Securities ... Rs. 25,000 00 In Office ... 25,000 00
Interest on Loans Payable A/c. ...	1,53,940	32	Amount held in Budget 'A' Div.—I ... 5,06,58,016 14
Endowment Fund (Appendix—71) ...	4,76,699	64	Investments— Endowment Fund— (Appendix—71) In securities Rs. 4,68,635 45 In Fixed Deposit Rs. 8,000 00 In cash Rs. 64 19 4,76,699 64
Due on Outstanding Charges for 1979-80 and previous year ...	3,07,00,000	00	Surplus Fund— In Securities* Rs. 22,97,700 00
Surplus Revenue Fund (Vide Appendix No. 59) ...	34,22,114	25	In Call Deposit ... In Cash at Bank Rs. 6,486 22 23,04,186 22
<b>Total</b> ...	<b>5,58,28,236</b>	<b>94</b>	<b>Total</b> ... <b>5,58,28,236 94</b>

\*Details of Securities held in Surplus Fund—

	Face value Rs.	Book Value Rs. P.
6½% Rs. 100 Lakhs B.M.D. Budget 'E' (Internal) Loan 1978-79 ..	16,64,000.00	16,64,000 00
6% Rs. 50 Lakhs B.M.D. Budget A, Div.—I Loan 1965-66...	6,33,700.00	6,33,700.00
<b>Total</b>	<b>22,97,700.00</b>	<b>22,97,700.00</b>

Div.—I

**APPENDIX No. 63**  
**EDUCATION FUND**

*Capital Fund Balance Sheet as at 31st March 1980.*

Liabilities	Rs.		Assets	Rs.	
	P.	P.		P.	P.
<b>Loans Outstanding—</b>			<b>Block Account—</b>		
Due to Public	19,59,00,000	00	Loan Funds	24,12,70,075	43
Trust Fund	694	31	Trust Fund	2,08,755	42
<b>Surplus—</b>			<b>Appendix 64</b>		
Sinking Fund	4,09,22,405	46	Investment—		
Contribution from Trust Fund	2,08,755	42	Sinking Fund		
Contribution from Government	10,00,000	00	<b>Appendix 65</b>		
Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans			In Securities Rs. 4,09,22,341	23	
Loan Redemption Fund	Rs. 6,66,00,000.00		In cash at Bank Rs. 64	23	
Less—					
Assets written off Rs. 2,44,495.14	1,63,55,504	86	Trust Fund		
			In Cash	694	31
			Loan Fund		
			Amount held in Budget A Div. I	1,22,88,135	91
			In Securities Rs. ...96,97,000.00		
			In Cash at Bank Rs.... 293.52	96,97,293	52
<b>Grand Total</b>	<b>30,43,87,360</b>	<b>05</b>	<b>Grand Total...</b>	<b>30,43,87,360</b>	<b>05</b>

**APPENDIX No. 64**

*Statement showing Capital Works Expenditure upto 31st March 1980.*

**Education Fund.**

Capital Account	Total Capital Works Expenditure upto 31st March, 1979.	Capital Works Expenditure during 1979-80.	Total Capital Works Expenditure upto 31st March 1980.
	Rs.	Rs.	Rs.
<b>Loan Funds.</b>			
City Section	9,52,56,085 57	38,06,687 02	9,90,62,772 59
Suburban Section	7,56,08,104 18	63,24,230 88	8,19,32,335 06
Extended Suburban Section	5,51,94,021 59	50,80,946 19	6,02,74,967 78
Total-Loan Fund	22,60,58,211 34	1,52,11,864 09	24,12,70,075 43
Trust Fund	2,08,755 42	...	2,08,755 42
<b>Grand Total</b>	<b>22,62,66,966 76</b>	<b>1,52,11,864 09</b>	<b>24,14,78,830 85</b>

Div.—I

**APPENDIX No. 64 (Contd.)  
EDUCATION FUND**

*Block Account showing details of Capital Expenditure upto 31st March 1980.*

Serial No.	Item No. Revise Estimates 1979-80	Particulars of Capital Work	Total Capital Expenditure upto 31st March 1979		Capital Expenditure during 1979-80		Total Capital Expenditure upto 31st March 1980	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		<b>Loan Funds</b>						
		<b>City Section</b>						
		Works completed						
		<b>Acquisition</b>						
		Acquisition of C.S. No. 882 (Part) of Lower Parel at Elphinston Road for School and Play Ground.			69,970.44		69,970.44	
1	1	Acquisition of C.S. No. 813 and 814 of Mazgaon Division at 27 Telli Gally for school.	63,808.00				63,808.00	
2	3	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	5	Acquisition of C. S. No. 4316, 4317, 4318 & 4321 of Bhuleswar Division for Municipal School. (C) ..	2,123.81				2,123.81	
4	11	Acquisition of Property hearing C. S. No. 427 (Part) of Parel-Sewri Division for school.	1,35,596.80				1,35,596.80	
5	15	Transfer of Government Passage at Memonwada Road at Mandvi Divn. C. S. No. 1/1310.	338.51				338.51	
6	20A	Acquisition of Property bearing C. S. No. 363 of Mazgaon Divn., at Matarpakhadi Road.	35.00		26,126.80		26,161.80	
7	20B	Total—Lump sum provision for Acquisition of sites ..	6,53,049.71		96,097.24		7,49,146.95	
		<b>Constructions</b>						
8	22	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	
9	23	Lump sum Provision for semi Permanent Structures in the City.	398.05		26,970.71		27,368.76	
10	25	Lump sum provision for providing suction Tanks etc. in Municipal School Bldg. (All Ward)	2,00,176.41		10,850.87		2,11,027.28	
11	25	Lump sum provision for construction compound walls around Municipal School Bldg. (All Ward)	4,47,399.90		87,961.05		5,35,360.95	
12	26	Construction of School Bldg. on Plot No. 240 (pt.) Lower Parel Division, Low Level West Talchekarwadi. (G/S)	12,93,988.45		15,375.00		13,09,363.45	
13	27	Construction of Municipal School Bldg. on C. S. No. 10 (Pt) Matunga Division behind Matunga Pumping Station at Lakamsi Napeo Road. (F/N)	7,255.74				7,255.74	
14	29	Construction of a School Bldg. on the piece of land offered by Central Govt. in Central Govt. Colony at Sion Koliwada (F/N)	5,949.47		2,181.45		8,130.92	
15	31	Construction of School Bldg. @ Sahakar Nagar, Wadala. (F/N)	23,64,733.30		14,022.15		23,78,755.45	
16	33	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	
17	34	Construction of a School Bldg. at N. M. Joshi Marg C. S. No. 1946 to 1948. (G/S)	16,07,564.77		75,712.33		16,83,277.10	
18	36	Construction of a School Bldg. at Dhorwadi, Dharavi. (G/N)	35,50,008.40		60,822.00		36,10,830.40	
19	38	Construction of a School Bldg. at Golanji Hill. (F/S)	27,20,387.30		7,45,207.89		34,65,595.19	
20	39	Extension to Municipal School Bldg. at Mavji Rathod Road, Bombay-9. (B)	11,02,667.52		3,265.53		11,05,933.05	
21	40	Construction of School Bldg. on the Municipal Land at Ghogari Mohalla. (B)	4,41,415.88				4,41,415.88	
22	41	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	
23	42	Construction of a School Bldg. on C. S. No. 108 of Parel Sewri 2/108 (Pt) 103 (1) Parel Govt. Gate Road (F/S)	6,64,997.90		9,28,343.24		15,93,341.14	
24	43	Construction of a School Bldg. in the J. J. Hospital Compound. (B)	13,52,375.24				13,52,375.24	
25	44	Construction of School Bldg. at Mahalaxmi Temple Compound Plot bearing C. S. No. 83 (P) of Malbar Hill Division. (D)	7,27,809.46				7,27,809.46	
26	45	Construction of School Bldg. at Vithal Sianna Pavalian Stable St. Kamathipura. (B)	21,92,792.64				21,92,792.64	
27	46	Construction of New School Bldg. at 2nd Peerkhani St. Nagapada Division. (B)	12,24,790.48		Cr. 354.00		12,24,436.48	
28	47	Construction of School Bldg. at B. D. D. Chawl No. 10, N. M. Joshi Marg, Near Sitaram Mills. (G/S)	2,23,619.12		21,584.29		2,45,203.41	
29	48	Construction of School Bldg. on F. P. 998 T. P. Sch. IV Mahim Kakasaheb Gadgil Marg, Khed Gully. (G/S)	9,85,265.29		2,01,112.57		11,86,377.86	
30	49	Lumpsum Provision for extension and additions to Municipal School Bldgs.	24,778.71		32,311.58		57,090.29	
31	50	Proposed School Bldg. at Sindhi Lane 'C' Ward. (C)	11,736.15		59,549.96		71,286.11	
32	51	Additional koor over School Bldg., near Matunga Pumping Station.	5,74,953.99		7,09,855.10		12,84,809.09	
33	53	Construction of Municipal school Bldg., near union Hill Fort (Known as Joglekar wadi).	618.92				618.92	
34	61	Lump Sum provision for providing furniture and equipments in newly constructed Municipal Schools All	13,79,472.33		5,37,331.70		19,16,804.03	
35	68	Construction of School Bldg. near Badami Koyala Karkhana at Dharavi. (G/N)	6,180.35				6,180.35	
36	70	Construction of a new School Bldg., at 12, Belvedere Rd., Bombay.	3,163.97				3,163.97	
37	71	Construction of a School Bldg. of ground and three upper floors at Matunga Labour Camp. (F/N)	4,534.62				4,534.62	
38	73	Lumpsum Provision for taking trial pits bore for testing subsal at different school plot in the city.	6,563.28		234.34		6,797.62	
39	74	Lump sum provision for water proofing to Municipal School Bldg. in City (All Ward)	9,34,103.66		1,49,097.74		10,83,201.40	
40		Construction of School Building at Reynold Rowe (B.P.T. Land), Wadala.			4,976.59		4,976.59	
41		Construction of School Building at 113, 114, S.V. Patel Road, Angrawadi.			7,660.59		7,660.59	
42		Construction of new School Building near Prabodhankar Thakare Garden at Acharya Donde Marg, Sewri.			8,325.50		8,325.50	
43		Additional koor over the existing School Building at Worli Naka.			394.62		394.62	
44		Construction of School Building on C.S. No. 494, V.P. Road, Girgaum.			7,796.98		7,796.98	
		Total City Section (Construction)	2,83,87,135.44		37,10,589.78		3,20,97,725.22	
		Grand Total—City Section	9,52,56,085.57		38,06,687.02		9,90,62,772.59	

## APPENDIX No. 64-(Contd.)

## EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1980.

Serial No.	Item No Revised Estimates 1978-79	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1979		Capital Expenditure during 1979-80		Total Capital Expenditure upto 31st March 1980	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		<b>Loan Funds</b>						
		<b>Suburban Section.</b>						
1		Works completed	3,69,92,551.55					3,69,92,551.55
		<b>Acquisition.</b>						
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	4	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	13	Acquisition of land S. No. 168/1A, 168/2A a Kanjur for School and Harijan Quarters.	49,984.58					49,984.58
4	14	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)	Cr. 69,646.33		50.00			Cr. 69,596.33
		Total—Lump-sum provision for Acquisition of sites	1,41,507.16		50.00			1,41,557.16
		<b>Construction</b>						
6	18	Lump sum provision for providing suction Tank at Municipal School Bldg. (All Wards)	17,29,039.44					17,29,039.44
7	19	Lump sum provision for constructing compound walls around Municipal School Building. (All Wards)	7,14,541.50		5,170.83			7,19,712.33
8	21	Construction of school bldg. at Sahakar Nagar Chembur. (M)	18,71,200.42					18,71,200.42
9	23	Construction of School Bldg. at Tata Compound, Andheri. (K/W)	65,466.27					65,466.27
10	24	Construction of school bldg. on Garden plot at Bail Bazar Road, Kurla. (L)	9,97,551.29					9,97,551.29
11	25	Extension of Municipal School Bldg. at Khar Nagar, Bandra. (H/East)	17,31,256.21		3,191.31			17,34,447.52
12	27	Construction of School Bldg. at Pant Nagar, Ghatkopar East. (N)	19,86,532.37					19,86,532.37
13	28	Construction of School Bldg. at Kannamwar Nagar, Vikhroli (East). (N)	25,10,359.72		2,42,992.52			27,53,352.24
14	30	New School Bldg. for Manekji Gazdar Upper Primary School at Gazdar Park Scheme, Santacruz (W) (K/W)	12,90,792.25					12,90,792.25
15	31	Construction of Municipal School Bldg. at Vikhroli Village, Vikhroli (East) at Godrej Plot. (N)	8,50,580.29					8,50,580.29
16	32	Primary School at Narli Agripada, 18th Road, Khar. (K/W)	7,71,950.70		2,03,329.82			9,75,280.52
17	33	Construction of School Bldg. at Bombotwadi, Mankhurd. (M)	8,89,968.32					8,89,968.32
18	34	Construction of School Bldg. on the vacant plot of Kurla Slaughter House at Kasawada, Kurla. (L)	14,83,484.51					14,83,484.51
19	35	Construction of a school Bldg. on Jaokar's Plot, Chuna-bhatti, Kurla. (L)	5,98,342.19		56,441.71			6,54,783.90
20	36	Construction of School Bldg. on the Plot occupied by Old Muni. Office, at Moreswar Patankar Marg, Kurla (L)	11,42,907.58		2,82,068.35			14,24,975.93
21	37	Construction of additional 1st and 2nd floors on Municipal Gujarati School Bldg., 6th Road, T. P. S. III, Santacruz. (K/W)	12,94,371.77		4,70,205.29			17,64,577.06
22	38	Extension of School Bldg. at Prabhakar Keluskar Marg, Kurla. (L)	5,863.14					5,863.14
23	39	Lump sum provision for S. F. Sheds in Suburban Section. (All Wards)	20,73,159.94		35,957.28			21,09,117.22
24	40	Lump sum provision for extension and addition etc. to Municipal School Bldg. (All Wards)	3,96,269.63		74,431.55			4,70,701.18
25	41	Primary School at Vikhroli (Park Site). (N)	25,91,511.51		3,70,446.33			29,61,957.84
26	42	Providing auditorium at Rajawadi School, Ghatkopar.	162.05					162.05
27	43	Construction of primary school Bldg. at Mahatma Gandhi Road, Vile Parle (East). (K/B)	22,03,547.11		1,34,974.76			23,38,521.87
28	44	Construction of a school bldg. on a plot reserved by Govt. of Maharashtra for Municipal school at Anik Chembur. (M)	2,41,254.28		5,59,148.13			8,00,402.41
29	45	Provision of school at Oshivara. (K/W)	76,778.61					76,778.61
30	46	Construction of Muni. School at Tarun Bharat Co-op. Hsg. Society at Chakala Village. (K/B)	14,01,269.02		4,45,886.67			18,47,155.69
31	47	Additional 2nd floor over school bldg. at Bail Bazar, Kurla. (L)	3,90,391.19		99,924.89			4,90,316.08
32	48	Proposed school Bldg. in G. S. No. 341 (Pt.) Bandra in Govt. Servants' Colony. (H/F)	1,14,897.92		5,84,114.52			6,99,012.44
33	49	Extension to School Bldg. at Dadabhai Lane Vile Parle (West), Sanyashram Road. (K/W)	2,13,991.00		9,239.73			2,23,230.73
34	50	Additional floor over Muni. School Bldg. at S. G. Barve Nagar, Ghatkopar	6,31,444.16					6,31,444.16
35	52	Proposed school Bldg. on land donated by Sherwala Maharaj at Jogeshwari (East). (K/East)	3,68,675.30		47,869.37			4,16,544.67
36	58	Construction of a School Bldg. in Chembur Labour Camp. (M)	15,71,171.24					15,71,171.24
37	59	Construction of School Bldg. at Kherwadi, Bandra.	665.41					665.41
38	60	Providing scout camp and Botanical garden at Powai (N)	58,847.61					58,847.61
39	61	Construction of a School Bldg. Opp. K. V. K. High School, Ghatkopar. (N)	23,85,853.28		3,12,027.72			26,97,881.00
40	62	Lump sum provision for providing furniture & equipments in newly constructed Muni. schools.	15,20,141.73		16,80,035.79			32,00,177.52
41	68	Proposed extension to school Bldg. at Kherwadi, Bandra (East). (H/East)	15,03,116.17		11,959.65			15,15,075.82
42	69	Additional 3rd floor over school Bldg. at Park Site, Vikhroli. (N)	3,48,559.75		4,50,606.56			7,99,166.31
43	71	Construction of School at Jawahar Nagar, Khar. (K/W)	1,195.64					1,195.64
44	75	Construction of 5 class rooms on the terrace of Match Factory Lane School, Kurla. (L)	55,327.70					55,327.70
45	78	Lump sum provision for water proofing treatment and Muni. School Bldg. in Suburban. (All Ward.)	2,75,666.82		64,062.50			3,39,729.32
46	96	Construction of a School Bldg. at Trombay Village.	1,15,320.49					1,15,320.49
47	97	Proposed extension to the school Bldg. at Prabhakar Colony Santacruz (West).	619.94		6,222.49			6,842.43
48		Lumpsum provision for taking trial pits and trial bores for testing subsail at different part of work at Sub Section.			821.75			821.95
49		Construction of School Building at Poddar Compound, Ghatkopar (West).			845.93			845.93
50		Construction of additional 3rd floor over School Building at Vakola Santacruz (East).			668.38			668.38
51		Proposed construction of Shed Scout Guides Workshop at Powai.			1,31,357.85			1,31,357.85
52		Construction of School Building at Tagore Nagar, Vikhroli			14,350.00			14,350.00
53		Construction of School on Municipal Plot Squatter Colony, Jogeshwari (East).			25,829.20			25,829.20
		Total—Suburban Section (Constructions)	3,84,74,045.47		63,24,180.88			4,47,98,226.35
		Grand Total—Suburban Section	7,56,08,104.18		63,24,230.88			8,19,32,335.06

## APPENDIX No. 64-(Contd.)

## EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1980.

Serial No.	Item No. Revised Estimates 1978-79	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1979		Capital Expenditure during 1979-80		Total Capital Expenditure upto 31st March 1980	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		<b>Loan Funds</b>						
		<b>Extended Suburban Section</b>						
1		Works Completed	2,25,05,837.81					25,837.81
		<b>Acquisition</b>						
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
		Total—Lump-sum provision for Acquisition of sites	2,90,603.63					2,90,603.63
		<b>Constructions</b>						
4	15	Lump sum provision for semi permanent structures in the Extended Suburbs. (All Wards)	11,83,180.59		1,87,178.80			13,70,359.39
5	17	Lump sum provision for constructing compound walls around Muni. School Bldg. (All Wards)	5,98,493.19		82,466.51			6,80,959.70
6	19	Construction of School Bldg. at Rajda Nagar, Borivali. (R)	21,16,897.04		17,931.99			21,34,831.03
7	21	Construction of School Bldg. at Kasturba Cross Road Final Plot No. 48 & 50 at T. P. S. S. V. Road, Borivli (East). (R)	28,62,365.30		993.61			28,63,358.91
8	22	Construction of a Municipal School Bldg. at Kanjur Village. (N)	5,50,430.57		1,19,754.46			6,70,185.03
9	24	Construction of a School Bldg. on Mhatre Plot Quarry Road, Malad. (P)	19,61,521.86		3,50,952.96			23,12,474.82
10	25	Construction of a School Bldg. for Primary School at Datey's Plot, Nathubhai Laxmanji Road, Malad (West). (P)	22,99,913.42		1,202.58			23,01,116.00
11	26	Extension of a School at Pahadi Village Goregaon (East). (P)	22,44,806.43					22,44,806.43
12	27	Extension to School Bldg. at Mitha Nagar Goregaon (West). (P)	7,93,679.52		10,17,597.86			18,11,277.38
13	28	Construction of School Bldg. in Nimani Plot at S. V. Road, Malad. (P)	14,67,954.68					14,67,954.68
14	29	Construction of a School Bldg. at Sudawala Lane, Borivli. (R)	27,01,729.08		258.30			27,01,987.38
15	30	Construction of School Bldg. at Parshottam Kheraj Road, Mulund (West) (T)	19,94,879.13		76,875.00			20,71,754.13
16	32	Construction of School Bldg. at Gaushala Road, Plot No. 575-576, Mulund (West) (T)	34,98,404.96					34,98,404.96
17	33	Conversion of Katcha Structures into a permanent pucca structures at Uday Muni. School at Check Naka, Mulund. (T)	13,57,695.20		7,64,948.86			21,22,644.06
18	34	Construction of school Bldg. at Tempapada Bhandup in place of old structure. (N)	6,74,493.29					6,74,493.29
19	36	Construction of a School Bldg. at S. No. 99 (Part) Malvani. (P)	588.22					588.22
20	37	Construction of Mulund Colony School and play Ground at S. No. 165, Mulund. (T)	13,69,295.79		2,21,988.72			15,91,284.51
21	38	Construction of additional floor on the existing Muni. School at S. L. Road, Mulund (West). (T)	4,35,957.79		2,20,768.37			6,56,726.16
22	40	Proposed school Bldg. at Rajendra Nagar Borivali (R)	1,62,513.90		6,55,949.73			8,18,463.03
23	44	Construction of a School Bldg. at Bharucha Road, Dahisar. (R)	17,21,775.63		2,34,425.49			19,56,201.12
24	45	Lump sum provision for providing furniture equipment newly constructed Muni. Schools. (All Wards)	21,90,347.05		10,06,340.69			31,96,687.74
25	48	Construction of School Bldg. of Talepakhadi (Borivali) (R)	1,225.17					1,225.17
26	50	Lump sum provision for water proofing treatment to Muni. Schools Blds. in Extended Suburbs. (All Wards)	2,09,294.82		35,650.35			2,44,945.17
27	59	Construction of School Bldg., at Paspoli.	138.32					138.32
28		Lumpsum Provision for extension and addition to the Municipal School Building.			71,483.04			71,483.04
29		Reconstruction of the existing School Building at Lalji Trikamji School by a Multi-storied Building at S.V. Road, Borivali.			3,784.85			3,784.85
30		Construction of School Building at S. No. 44 No. 1 (Part) of Melad Village, Gorewada, Lala Lajpatrai Road, KanMiwali (West).			10,392.02			10,392.02
		Total—Extended Suburban Section (Constructions)	3,23,97,580.15		50,80,946.19			3,74,78,526.34
		Grand Total—Extended Suburban Section	5,51,94,021.59		50,80,946.19			6,02,74,967.74

**APPENDIX No. 65  
EDUCATION FUND**

*Statement showing outstanding Loans due by the Bombay Municipal Corporation the Interest outstanding on 1st April 1979 on the different Loans, the amount payable for the year 1979-80, the amount paid by the State Bank of India during that year and the balances outstanding on 31st March 1980.*

	Particulars of Loans.	Rate of Interest percent. p.a.	Balance due on 1-4-1979	Amount raised in 1979-80	Total	Amount repaid in 1979-80	Balance due on 31st March 1980	Interest outstanding on 1-4-1979	Interest payable in 1979-80	Total Interest due	Deduct Interest paid by the State Bank of India and in Office.	Interest Outstanding as on 31st March 1980.
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	<b>Loans from Public</b>											
(1)	Rs. 27.5 Lakhs Loan (1968-69)	6	27,50,000	...	27,50,000	...	27,50,000	3,777.00	1,65,600.00	1,68,777.00	1,41,720.00	27,057.00
(2)	Rs. 27.5 Lakhs Loan (1969-70)	6	27,50,000	...	27,50,000	...	27,50,000	1,709.00	1,65,000.00	1,66,709.00	1,63,740.00	2,969.00
(3)	Rs. 16.5 Lakhs Loan (1970-71) (1st issue)	6	16,50,000	...	16,50,000	...	16,50,000	2,520.00	99,000.00	1,01,520.00	99,660.00	1,860.00
(4)	Rs. 16.5 Lakhs Loan (1970-71) (2nd issue)	6	16,50,000	...	16,50,000	...	16,50,000	1,500.00	99,000.00	1,00,500.00	1,00,500.00	...
(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	7,905.00	4,95,000.00	5,02,905.00	4,97,070.00	5,835.00
(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	82,906.25	3,43,750.00	4,26,656.25	3,25,343.75	1,01,312.50
(10)	Rs. 55 Lakhs Loan (1976-77)	6½	55,00,000	...	55,00,000	...	55,00,000	15,625.04	3,43,750.00	3,59,375.04	3,50,968.22	8,406.82
(11)	Rs. 220 Lakhs Loan (1977-78)	6½	2,20,00,000	...	2,20,00,000	...	2,20,00,000	125.00	13,75,000.00	13,75,125.00	13,75,125.00	...
(12)	Rs. 253 Lakhs Loan (1978-79)	6½	2,53,00,000	...	2,53,00,000	...	2,53,00,000	...	16,44,500.00	16,44,500.00	16,38,000.00	6,500.00
(13)	Rs. 275 Lakhs Loan (1979-80)	6½	...	2,75,00,000	2,75,00,000	...	2,75,00,000	...	...	...	...	...
	<b>Total Loans from Public</b>		10,06,50,000	2,75,00,000	12,81,50,000	...	12,81,50,000	1,16,067.29	62,75,500.00	63,91,567.29	62,37,626.97	1,53,940.32
	<b>Loans from Internal Funds</b>											
(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	...
	<b>Total Loans from Internal Funds</b>		6,77,50,000	...	6,77,50,000	...	6,77,50,000	...	41,46,875.00	41,46,875.00	41,46,875.00	...
	<b>GRAND TOTAL</b>		16,84,00,000	2,75,00,000	19,59,00,000	...	19,59,00,000	1,16,067.29	1,04,22,375.00	1,05,38,442.29	1,03,84,501.97	1,53,940.32

06

## APPENDIX No.—70

## EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1979-80 and the balance at the credit of the Fund at the close of the year 1979-80 (i.e., 31st March 1980).

	Rs.	P.
<b>RECEIPTS—A.—REVENUE ACCOUNT</b>		
(1A) Education Cess	5,44,41,047	09
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(e) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I	2,98,12,230	00
(ii) From Budget 'A' Div. II	1,87,70,050	00
(iii) From Budget 'A' Div. III	81,41,630	00
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	8,54,00,000	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	2,87,65,870	00
Interest on Endowment and Investments	22,127	97
Rent and other proceeds of properties	17,14,535	60
Interest and Profits on Investments of Surplus, Loan and other balances	12,26,993	01
Miscellaneous Receipts	2,09,925	36
Total—Revenue Receipts	22,85,04,409	03
<b>RECEIPTS—B.—CAPITAL ACCOUNT</b>		
(1) New Loans	2,75,00,000	00
(2) Trust Fund	...	...
(3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans	...	...
Total—Capital Receipts	2,75,00,000	00
<b>RECEIPTS—C.—SUSPENSE ACCOUNT</b>		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent Expenditure	1,971	00
(b) Motor Cars and Motor Cycles to Officers	26,887	00
(c) Dishonoured Cheques	65,264	12
(d) Loan scholarships to Municipal Teachers Under Training	873	00
Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords.	...	...
Sundries—Miscellaneous Advances	1,20,95,338	28
Total—Advances	1,21,90,333	40
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	3,764	27
(2) Endowment Fund (Paper and Cash) Account	1,970	00
(3) Loan Fund (Paper and Cash) Account	...	...
(4) Surplus Fund (Paper and Cash) Account	89,64,636	20
(5) Sundry Deposits Account	...	...
Total—Paper and Cash	89,70,370	47
Deposit Account	1,12,28,692	29
Provident Fund	2,02,14,492	20
Pension Fund	63,89,050	09
Gratuity Fund	23,55,495	59
Cheques Payable	21,73,48,549	26
Wages Deposit Account	...	...
Endowment Fund Account	4,531	00
Sinking Fund Account—Education	89,66,328	89
Amount Transferred from Municipal General fund Budget A to Education Fund A/c...	23,19,44,689	65
Education Loan Interest Warrants Payable Account	62,49,340	47
Interest Receivable Account	...	...
Interest Accrued but not paid	5,04,291	67
Investment of Surplus Monies in Public Securities	...	...
Loan Redemption Fund Account	...	...
Unclaimed Dues and Deposits (Refundable) Account	5,595	21
Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans	...	...
Interest on Loans Payable Account.	1,53,940	32
Total—Deposit etc.	50,53,64,996	64
Total—Suspense Receipts	52,65,25,700	51



## APPENDIX No. 70—(Contd.)

EXPENDITURE—A. REVENUE ACCOUNT		Rs.	P.
A.—General Supervision and Administration	..	54,30,451	09
B.—Municipal Primary Schools	...	18,03,29,124	21
C.—Private Primary Schools	..	80,18,299	(1
D.—Medical Inspection of School Children	..	18,57,183	50
E.—Enforcement of Compulsion	..	...	
F.—Educational Activities	...	21,02,0 4	62
G.—Pension and Provident Fund	..	1,48,69,615	20
I.—New Works	..	3,20,685	12
J.—Debt Charges	...	1,80,75,982	62
K.—Training Facilities for Municipal Teachers	...	67,769	70
L.—Proportionate Cost of Collection of Education Cess	...	5,99,263	35
M.—Extra-Curricular Activities	...	3,99,010	38
O.—Proportionate Cost of C.E.'s Central Planning Staff	..	2,64,877	95
P.—Lumpsum provision for payment of arrears on account of Revision of grades	...	69,332	86
T.—Lumpsum provision for Deposit tenked Insurance Scheme	...	48,354	56
<b>Total—Revenue Expenditure</b>	...	<b>23,24,51,954</b>	<b>17</b>
<b>EXPENDITURE—B.—CAPITAL ACCOUNT</b>			
(1) Loan Funds—	..	1,52,11,864	09
(2) Trust Fund	..	...	
<b>Total—Capital Expenditure</b>	..	<b>1,52,11,864</b>	<b>09</b>
<b>EXPENDITURE—C.—SUSPENSE ACCOUNT</b>			
Advances to Municipal Officers—			
(a) Standing Advances for Contingent expenditure	...	35,312	80
(b) Motor Cars and Motor Cycles to Officers	...	32,500	00
Dishonoured Cheques	..	65,264	12
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	...	37,82,248	77
<b>Total—Advances</b>	...	<b>39,15,325</b>	<b>69</b>
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—			
Sinking Fund (Paper and Cash) Account	...	88,85,125	86
Endowment Fund (Paper and Cash) Account	..	4,501	00
Loan Fund (Paper and Cash) Account	...	...	
Surplus Fund (Paper and Cash) Account	...	4,074	02
Sundry Deposits Account	...	2,000	00
<b>Total—Paper and Cash</b>	...	<b>88,95 700</b>	<b>88</b>
Deposit Account	...	1,27,18,483	99
Provident Fund	...	2,02,14,492	20
Pension Fund	...	63,89,050	09
Gratuity Fund	...	23,55,495	59
Cheques Payable	...	21,62,52,938	06
Wages Deposit Account	...	...	
Amount transfered from Education Fund A/c is Municipal General Fund Budget A	...	26,63,44,310	97
Endowment Fund Account	..	...	
Sinking Fund Account Education	...	84 967	30
Education Loan Interest Warrants—Payable Account	...	62 57,622	22
Interest Accrued but not paid	...	...	
Interest Receivable Account	..	...	
Investment of Surplus Monies in Public Securities	..	...	
Advance from Surplus Monies for financing Capital Works Expenditure pending raising of New Loans	..	..	
Repayment of Loan Account	...	...	
Unclaimed Dues and Deposits (Refundable) Account	...	733	25
Interest on Loans Payable A/c	...	1,16,67	29
<b>Total—Deposits etc.</b>	...	<b>53,07,34,60</b>	<b>96</b>
<b>Total—Suspense Expenditure</b>	...	<b>54,35,45,187</b>	<b>53</b>

## APPENDIX No. 70—(Consolid.)

## SUMMARY

Receipts		Account	Disbursements.	
Rs.	P.		Rs.	P.
76,71,884	61	Opening Balance on 1st April 1979—		
22,85,04,409	03	A.—Revenue Account ...	23,24,51,954	17
2,75,00,000	00	B.—Capital Account ...	1,52,11,864	09
52,65,25,700	51	C.—Suspense Account ...	54,35,45,187	53
78,25,30,109	54	Closing Balance on 31st March 1980.	79,12,09,005	79
			—10,07,011	64 *
79,02,01,994	15	Total	79,02,01,994	15
			Rs.	P.
		*Banks Reconciliation—		
		Balance as per Bank's Pass Book ...	65,082	07
		Add—Revenue sent to the Bank on 31st March 1980 but acknowledged on 1st April 1980.	5,796	00
		Total ...	70,878	07
		Less—Uncashed cheques ...	13,43,390	92
		Balance as per Day Book (Col. No. 10)	—12,72,512	85
			Rs.	P.
		Balance in Office in Government Promissory Notes etc.	501	05
		Balance in Office in Cash ...	2,65,000	16
		Collection kept in office ...	2,65,501	21
		Closing Balance as shown at * above	—10,07,011	64

Div—1

# 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	87.61	47.74	23.97	66.62	225.94
(ii) Other expenditure	26.69*	9.05	2.61	4.05	42.40
(iii) Commission to Collecting Agencies	...	...	...	73.83	73.83

This includes the cost of Rs. 16.41 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. 16.39 crores compared with last year, the details whereof are as under:—

( Figures in crores )

Property taxes including Wheel tax			Octroi			Total Excess
Collection in 1978-79	Collection in 1979-80	Excess	Collection in 1978-79	Collection in 1979-80	Excess	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
82.33	88.06	5.73	62.65	73.31	10.66	16.39

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

Due to injunctions granted by the High Court in the Misc. Petitions filed by the ratepayers, challenging the amendment of Section 217 of the Bombay Municipal Corporation Act, there was no satisfactory addition to the tax collection in respect of these cases. These applications were pending during the year under report.

There is a marked improvement in the total tax collection (including Govt. taxes) during the year under report inasmuch as the Deptt. brought Rs. 100.64 crores as against Rs. 94.82 crores during the previous year.

The total demand of Municipal Property taxes including Water Charges and Wheel Tax is Rs. 152.86 crores whereas the total outstanding which relates to past and previous years is Rs. 56.74 crores. These arrears include settled demand as well as unsettled demand. 50% of these arrears is generally recovered during the subsequent year and the balance amount remains locked up on account of various reasons shown under the statement (Appendix No. 8). The arrears of property taxes including water charges have increased mainly due to demand for Sewerage Charges issued by Water Deptt. with retrospective effect. This demand is strongly disputed by the ratepayers especially big concerns in M Ward. The disputes are not still finalised by the Deptt. Concerned. Secondly the arrears involved in hutments are increasing every year due to the difficulties created after the Census of these hutments.

The Special Cell created to deal with the matter of assessment of Railway properties for the period from 1st April 1959 onwards has now completed the initial work of the assessment of Railway properties and further the matter is under correspondence with the Railway authorities. The Railway authorities in the meantime are making *ad-hoc* payment of Rs. 11.75 lacs every year.

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

The assessment of State and Central Govt. properties for the quinquennium 1974-79 has been completed and for the quinquennium 1979-84, Shri C. D. Vaidya, Architect, has been appointed to fix the Rateable Values of buildings and lands in Greater Bombay in State and Central Govts.

**Building Repairs Cess :** Repairs Cess collected during the year 1979-80 is Rs. 2.41 crores.

**Maharashtra Tax on Buildings (with larger residential premises) :**

The State Government has introduced a new Act viz. The Maharashtra Tax on Building with larger Residential Premises (Re-enacted) Act, 1979, repealing the Maharashtra Tax on Residential Premises Act, 1974, under which tax on residential premises was levied from 1st April 1974 on those residential premises having floorage of more than 125 Sq. Mtrs.

Under the Re-enacted Act of 1979, the State Government has levied from 1-4-74 retrospectively, a tax on residential premises having floorage of more than 125 Sq. Mtrs. and the rateable value thereof being more than rupees one thousand and five hundred at the rate of 10% of the rateable value, per year.

The work of levy and recovery of this tax is entrusted to Assessment & Collection Department.

**Octroi :** In 1979-80 the rates of Octroi continued to be the same as those for the period from 1-4-1978 to 31-3-1979.

Octroi collection during the year 1979-80 amounted to Rs. 73.31 crores as against the amount of Rs. 62.65 crores during the year 1978-79. This shows that the amount of Rs. 10.66 crores was collected in excess over the collection for the last year. Figures are shown hereunder for comparison.

(Rupees in crores)

	Year			Increase over 1978-79
	1977-79	1978-79	1979-80	
	Rs.	Rs.	Rs.	Rs.
(1) Gross Collection	55.77	62.65	73.31	+ 10.66
(2) Less Refunds	6.27	7.00	5.99	- 1.01
(3) Net Revenue	49.50	55.65	67.32	+ 11.67
(4) Fees for Stamping	0.006	0.013	0.014	+ 0.001
(5) Fees in respect of Refunds	0.63	0.62	0.63	+ 0.01
(6) Departmental Collection	34.86	44.09	49.12	+ 5.03

1,24,129 claims for refund of Octroi on goods exported out of Greater Bombay, were received as compared to 1,31,526 claims received in the last year.

S. S. MURKUTE  
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.
<b>(7) State Education Cess :—</b>		
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 Education Cess is levied for non-residential lands and buildings.	

**APPENDIX No. 2**

*Statement showing the position of properties during the year 1989-80.*

Properties	City	Subs.	Ext. Subs.	Total	
(1) Properties as on 31-3-1980	...	63,353	89,451	51,718	2,04,522
(2) Properties exempted from G. T.	...	4,466	2,101	590	7,157
(3) Properties newly assessed	...	559	1,758	1,725	4,042
(4) Properties enlarged	...	905	1,041	1,089	3,035
(5) Properties demolished	...	242	344	173	759

## APPENDIX No. 3

Statement of Rateable Value as on 31-3-80, rates of Rateable Value per head etc.

	City	Subs.	Ext. Subs.	Total
(1) Rateable Value ...	79,61,54,310	46,89,52,629	22,16,76,425	1,48,67,84,364
(2) Population (1971 Census) ...	30,67,381	21,68,160	7,53,065	59,88,606
(3) Rate per head of population ...	259.55	217.10	294.39	248.29
(4) Complaints against R. V. ...	1,595	3,457	1,760	6,812
(5) Reduction in R. V. ...	9.85%	15.53%	12.12%	12.50%
(6) Appeals received against R. V. ..	665	298	1,119	2,082
(7) Appeals pending against R. V.	504	251	1,096	1,851

## 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 shown in crores)

	Nature of Tax	Year	Total net demand	Collection	Percentage	Out-standing	Percentage
City	Property Tax	1977-78	63.33	43.80	69.16	19.53	30.84
Subs.	"	"	39.83	24.34	60.86	15.49	39.1
Extd. Subs.	"	"	17.27	9.37	54.35	7.90	45.65
City	"	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	Wheel Tax	1977-78	4.15	1.41	33.97	2.74	66.03
Subs.	"	"	1.86	0.45	24.19	1.41	75.8
Extd. Subs.	"	"	0.40	0.13	35.50	0.27	67.50
City	"	1978-79	4.66	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	Subs.	Extd. Subs.	Total
Miscellaneous Receipt 1979-80 (Amounts in lacs) ... (1) Notice fee ...	1.25	1.63	1.00	3.88
... (2) Warrant Cost	2.50	0.65	0.23	3.38
... (3) Penalty	6.85	5.86	4.05	16.76
Amount of General Tax ... 1978-79	1.80	0.30	0.24	2.34
Exempted: (Rs. in crores) ... 1979-80	1.74	0.40	0.24	2.38

## APPENDIX No. 5

Statement showing Total Demand, Collection and Outstanding of Municipal taxes during 1977-80

(1) Municipal Property Taxes including Water Benefit Tax, Sewerage Benefit Tax but excluding Water Charges and Sewerage Charges  
(Amount in Crore)

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recilled during the year	Net Demand	Less: Un-titled demand	Effective demand	Collection during the year	Out-standing as on 31-3-1980	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>City—</b>										
Upto and 1977-78	7.97	1.05	9.02	1.65	7.36	...	...	2.03	5.33	...
1978-79	6.72	1.35	8.07	2.33	5.74	...	...	3.48	2.26	...
1979-80	...	37.40	37.40	6.22	31.18	...	...	25.08	6.10	...
<b>Total</b>	<b>14.69</b>	<b>39.80</b>	<b>54.49</b>	<b>10.21</b>	<b>44.28</b>	<b>12.30</b>	<b>31.98</b>	<b>30.59</b>	<b>13.09</b>	<b>95.56%</b>
<b>Suburbs—</b>										
Upto and 1977-78	8.25	0.94	9.19	0.69	8.50	...	...	1.50	7.00	...
1978-79	5.30	1.55	6.85	1.46	5.39	...	...	3.10	2.29	...
1979-80	...	20.79	20.79	2.82	17.97	...	...	13.58	4.39	...
<b>Total</b>	<b>13.55</b>	<b>23.28</b>	<b>36.83</b>	<b>4.97</b>	<b>31.86</b>	<b>4.41</b>	<b>27.45</b>	<b>16.18</b>	<b>13.08</b>	<b>67.51%</b>
<b>Extended Suburbs—</b>										
Upto and 1977-78	4.19	0.34	4.53	0.13	4.40	...	...	0.76	3.64	...
1978-79	2.71	0.48	3.19	0.36	2.83	...	...	1.34	1.49	...
1979-80	...	9.61	9.61	1.28	8.33	...	...	5.96	2.57	...
<b>Total</b>	<b>6.90</b>	<b>10.43</b>	<b>17.33</b>	<b>1.77</b>	<b>15.56</b>	<b>2.43</b>	<b>13.13</b>	<b>8.06</b>	<b>7.50</b>	<b>62.00%</b>

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

(Amount shown in lacs)

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recilled during the year	Net demand	Less: Un-titled demand	Effective demand	Collection during the year 1979-80	Out-standing as on 31-3-1980	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<b>City—</b>										
Upto and 1977-78	196.44	40.27	236.71	25.72	209.99	...	...	59.62	150.37	...
1978-79	209.33	112.86	322.19	29.77	292.42	...	...	152.74	139.68	...
1979-80	...	1627.34	1627.34	57.08	1570.26	...	...	1350.77	219.49	...
<b>Total</b>	<b>405.77</b>	<b>1780.47</b>	<b>2186.24</b>	<b>113.57</b>	<b>2072.67</b>	<b>...</b>	<b>2072.67</b>	<b>1563.13</b>	<b>509.54</b>	<b>75.40%</b>
<b>Suburbs—</b>										
Upto and 1977-78	336.81	255.42	592.23	11.36	580.87	...	...	75.08	505.19	...
1978-79	261.77	86.25	348.02	13.75	334.27	...	...	196.94	143.23	...
1979-80	...	1115.60	1115.60	39.50	1076.10	...	...	775.79	300.31	...
<b>Total</b>	<b>598.58</b>	<b>1457.27</b>	<b>2055.85</b>	<b>64.61</b>	<b>1591.24</b>	<b>...</b>	<b>1991.24</b>	<b>1042.41</b>	<b>946.83</b>	<b>52.34%</b>
<b>Extended Suburbs—</b>										
Upto and 1977-78	94.52	23.74	123.26	3.68	119.58	...	...	27.73	91.85	...
1978-79	88.54	12.71	101.25	2.11	99.14	...	...	63.06	33.48	...
1979-80	...	383.94	383.94	55.13	328.81	...	...	243.57	85.24	...
<b>Total</b>	<b>183.06</b>	<b>423.39</b>	<b>608.45</b>	<b>60.92</b>	<b>547.53</b>	<b>...</b>	<b>547.53</b>	<b>334.36</b>	<b>212.57</b>	<b>61.4%</b>

## (3) Sewerage Charge

(Amount in Lacs)

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standing as on 31-3-1980	Percentage of collection to effective demand
<b>City—</b>										
Upto and 1977-78	56.12	11.69	67.81	3.45	64.36	...	...	17.84	46.52	...
1978-79	59.96	11.68	71.64	6.19	65.45	...	...	43.93	21.52	...
1979-80	...	456.79	456.79	13.62	443.17	...	...	378.06	65.11	...
Total	116.08	480.16	596.24	23.26	572.98	...	572.98	439.83	133.15	...
<b>Suburbs —</b>										
Upto and 1977-78	71.39	215.41	286.80	1.96	284.84	...	...	10.90	273.94	...
1978-79	129.80	37.60	167.40	4.18	163.22	...	...	27.40	135.80	...
1979-80	...	219.52	219.52	7.29	212.23	...	...	71.78	140.45	...
Total	201.19	472.53	673.72	13.43	660.29	...	660.29	110.10	550.19	...
<b>Extended Suburbs —</b>										
Upto and 1977-78	2.62	0.22	2.84	0.09	2.75	...	...	0.21	2.54	...
1978-79	2.01	1.29	3.30	0.30	3.00	...	...	1.24	1.76	...
1979-80	...	6.59	6.59	0.44	6.15	...	...	2.72	3.43	...
Total	4.63	8.10	12.73	0.83	11.90	...	11.60	4.17	7.73	...

## (4) WHEEL TAX

(Amount in Lacs)

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standing as on 31-3-1980	Percentage of collection to effective demand
<b>City—</b>										
Upto and 1977-78	216.47	2.31	218.78	22.07	196.71	...	...	06.25	190.46	...
1978-79	63.64	2.52	66.16	3.10	63.06	...	...	11.94	51.12	...
1979-80	...	189.61	189.61	6.59	183.02	...	...	116.13	66.89	...
Total	230.11	194.44	474.55	31.76	442.79	230.00	212.79	134.32	308.47	63.06%
<b>Suburbs —</b>										
Upto and 1977-78	120.89	0.92	121.81	0.26	121.55	...	...	4.06	117.49	...
1978-79	27.91	1.20	29.11	0.22	28.89	...	...	04.85	24.04	...
1979-80	...	61.96	61.96	0.57	61.39	...	...	27.69	33.70	...
Total	148.80	64.08	212.88	1.05	211.83	68.53	123.30	36.60	175.23	29.68%
<b>Extended Suburbs —</b>										
Upto and 1977-78	22.43	0.51	22.94	0.63	22.31	...	...	2.29	20.02	...
1978-79	8.07	0.60	8.67	0.29	8.38	...	...	1.54	6.84	...
1979-80	...	19.07	19.07	0.57	18.50	...	...	7.67	10.83	...
Total	30.50	20.18	50.68	1.49	49.19	17.63	31.56	11.50	37.69	36.43%



## (5) WATER BENEFIT TAX

(Amount in Lacs)

Period	Out-standing as on 1-4-1979	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 1979-80	Out-standing as on 31-3-1980	Percentage of collection to effective demand	
<b>City—</b>											
Upto and 1977-78	...	84.95	11.22	96.17	19.65	76.52	...	...	20.89	55.63	...
1978-79	...	87.54	16.02	103.56	24.75	78.81	...	...	42.82	35.99	...
1979-80	...	...	458.90	458.90	69.82	389.08	...	...	312.41	76.67	...
Total	...	172.49	486.14	658.63	114.22	544.41	...	544.41	376.12	168.29	...
<b>Suburbs—</b>											
Upto and 1977-78	...	113.15	28.54	141.69	5.42	136.27	...	...	19.14	117.13	...
1978-79	...	87.78	18.22	106.00	18.20	87.80	...	...	31.00	56.80	...
1979-80	...	...	260.23	260.23	35.09	225.14	...	...	141.31	83.83	...
Total	...	200.93	306.99	507.92	58.71	449.21	...	449.21	191.45	257.76	...
<b>Extended Suburbs—</b>											
Upto and 1977-78	...	54.44	1.02	55.46	1.61	53.85	...	...	7.71	46.14	...
1978-79	...	35.92	5.80	41.72	4.99	36.73	...	...	15.16	21.57	...
1979-80	...	...	121.20	121.20	15.13	106.07	...	...	71.74	34.33	...
Total	...	90.36	128.02	218.38	21.73	196.65	...	196.65	94.61	102.04	...

## (6) Sewerage Benefit Tax

(Amount in Lacs)

Period	Out-standing as on 1-4-1979	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 1979-80	Out-standing as on 31-3-1980	Percentage of collection to effective demand	
<b>City—</b>											
Upto and 1977-78	...	53.96	6.69	60.65	12.05	48.60	...	...	12.41	36.19	...
1978-79	...	53.16	11.25	64.41	16.71	47.70	...	...	25.40	22.30	...
1979-80	...	...	279.76	279.76	44.98	234.78	...	...	186.25	48.53	...
Total	...	107.12	297.70	404.82	73.74	331.08	...	331.08	224.06	107.02	...
<b>Suburbs—</b>											
Upto and 1977-78	...	64.41	17.81	82.22	4.05	78.17	...	...	13.41	64.76	...
1978-79	...	56.99	10.92	67.91	10.17	57.74	...	...	19.02	38.72	...
1979-80	...	...	157.07	157.07	20.70	136.37	...	...	88.90	47.47	...
Total	...	121.40	185.80	307.20	34.92	272.28	...	272.28	121.33	150.95	...
<b>Extended Suburbs—</b>											
Upto and 1977-78	...	31.27	0.63	31.90	0.97	30.93	...	...	4.69	26.24	...
1978-79	...	20.92	3.54	24.46	3.08	21.38	...	...	9.06	12.32	...
1979-80	...	...	72.95	72.95	5.23	67.72	...	...	42.80	24.92	...
Total	...	52.19	77.12	129.31	9.28	120.03	...	120.03	56.55	63.48	...

## APPENDIX No. 6

Statement showing total Demand, Collection and Outstanding of Government Taxes and Cess during 1979-80.

## (1) State Education Cess

(Amount in lacs)

Period	Out-standing as on 1-4-79	Amount of bills issued during the year	Gross demand.	Amount of bills received during the year.	Net Demand	Less : unsettled demand.	Effective demand.	Collection during the year 1979-80	Out-standing as on 31-3-80	Percentage of collection to effective demand.
<b>City—</b>										
upto and 1977-78	194.19	18.15	212.34	37.17	175.17	..	..	44.61	130.56	..
1978-79	161.25	32.21	193.46	56.10	137.36	..	..	72.55	64.81	..
1979-80	..	790.09	790.09	137.51	652.58	..	..	516.67	135.91	..
Total	355.44	840.45	1,195.89	230.78	965.11	..	965.11	633.83	331.28	..
<b>Subs.—</b>										
upto and 1977-78	194.82	12.01	206.83	12.26	194.57	..	..	21.37	173.20	..
1978-79	142.24	32.69	174.93	28.24	146.69	..	..	41.94	104.75	..
1979-80	..	373.38	373.38	54.53	318.85	..	..	196.47	122.38	..
Total	337.06	418.08	755.14	95.03	660.11	..	660.11	259.78	400.33	..
<b>Extd. Subs.—</b>										
upto and 1977-78	111.20	1.91	113.11	3.28	109.83	..	..	42.79	97.04	..
1978-79	53.75	9.21	62.96	8.19	54.77	..	..	20.71	34.06	..
1979-80	..	178.18	178.18	23.99	154.19	..	..	101.38	52.81	..
Total	164.95	189.30	354.25	35.45	318.79	..	318.79	134.88	183.91	..

## (2) Urban Immovable Property Tax

(Amount in lacs)

<b>City—</b>										
upto and 1962-63	0.51	..	0.51	..	0.51	..	..	0.04	0.47	..
<b>Subs.—</b>										
Upto and 1962-63	2.06	..	2.06	..	2.06	..	..	0.03	2.03	..
<b>Extd. Subs.—</b>										
Upto and 1962-63	1.13	..	1.13	..	1.13	..	..	0.08	1.05	..
Total	3.70	..	3.70	..	3.70	..	..	0.15	3.55	..

## (3) The Additional State Education Cess.

(Amount in lacs)

<b>City—</b>										
upto and 1973-74	2.93	0.04	2.97	0.08	2.89	..	..	0.89	2.00	..
<b>Subs.—</b>										
Upto and 1973-74	5.96	0.01	5.97	0.07	5.90	..	..	0.24	5.66	..
<b>Extd. Subs.—</b>										
Upto and 1973-74	1.89	1.10	2.99	0.02	2.97	..	..	0.16	2.81	..
Total	10.78	1.15	11.93	0.17	11.76	..	..	1.29	10.47	..

**Total Demand, Collection and Outstanding of Repair and Reconstruction Cases during the year 1979-80 for the City.**

(Figures in lacs).

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standing as on 31-3-1980	Percentage of collection to effective demand
<b>Past and Previous Years</b>										
A	301.93	25.63	328.56	19.12	309.44	...	...	72.93	236.51	...
B	41.98	1.07	43.05	1.24	41.81	...	...	4.92	36.89	...
C	76.57	1.42	77.99	4.02	73.97	...	...	11.24	62.73	...
<b>Total</b>	<b>420.48</b>	<b>29.12</b>	<b>449.60</b>	<b>24.38</b>	<b>425.22</b>	...	...	<b>89.09</b>	<b>336.13</b>	...
<b>Current Year</b>										
A	...	203.15	208.15	11.98	196.17	...	...	122.17	74.00	...
B	...	20.46	20.46	0.43	20.03	...	...	10.89	9.14	...
C	...	35.78	35.78	1.39	34.39	...	...	19.25	15.14	...
<b>Total</b>	...	<b>264.39</b>	<b>264.39</b>	<b>13.80</b>	<b>250.59</b>	...	...	<b>152.31</b>	<b>98.28</b>	...
<b>Grand Total</b>	<b>420.48</b>	<b>293.51</b>	<b>713.99</b>	<b>38.18</b>	<b>675.81</b>	...	...	<b>241.40</b>	<b>434.41</b>	...

**APPENDIX No. 6**

**(5) Statements showing demands collection and outstanding of Employment Guarantee Cases during 1979-80.**

(Figures in lacs)

Period	Out-standing as on 1-4-1979	Amount of bills issued during the year	Gross Demand	Amount of bills recalled during the year	Net Demand	Less: Unsettled demand	Effective demand	Collection during the year	Out-standing as on 31-3-1980	Percentage of collection to effective demand
<b>City—</b>										
1978-79	47.18	9.27	56.45	14.97	41.48	...	...	27.18	14.30	...
1979-80	...	152.94	152.94	30.06	122.88	...	...	101.61	21.27	...
<b>Total</b>	<b>47.18</b>	<b>162.21</b>	<b>219.39</b>	<b>45.03</b>	<b>164.36</b>	...	<b>164.36</b>	<b>128.79</b>	<b>35.57</b>	...
<b>Suburbs—</b>										
1978-79	10.95	5.63	16.58	4.15	12.43	...	...	4.89	7.54	...
1979-80	...	48.16	48.16	8.11	40.05	...	...	20.73	19.32	...
<b>Total</b>	<b>10.95</b>	<b>53.79</b>	<b>64.74</b>	<b>12.26</b>	<b>52.48</b>	...	<b>52.48</b>	<b>25.62</b>	<b>26.86</b>	...
<b>Extended Suburbs—</b>										
1978-79	5.95	1.13	7.08	0.89	6.19	...	...	2.26	3.93	...
1979-80	...	22.15	22.15	2.93	19.22	...	...	12.14	7.08	...
<b>Total</b>	<b>5.95</b>	<b>23.28</b>	<b>29.23</b>	<b>3.82</b>	<b>25.41</b>	...	<b>25.41</b>	<b>14.40</b>	<b>11.01</b>	...

**APPENDIX No. 7**

(Bills issued during the year 1979-80)

	CITY		SUBURBS		EXTD. SUBURBS.		GRAND TOTAL.	
	Past and previous years.	Current year	Past and previous years.	Current years	Past and previous years.	Current year.	Past and Previous years.	Current year.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Property Taxes	6,664	1,14,515	10,932	1,83,747	4,006	1,05,116	21,632	4,03,778
(2) Water charges by meter measurement including meter Hire	5,491	72,047	17,635	1,36,722	4,067	69,764	27,193	2,78,533
(3) Wheel Tax	7,725	1,30,371	2,598	50,158	...	30	10,324	1,80,559

## APPENDIX No. 8

(A) Break up of arrears of settled and effective demand of Municipal property taxes including water charges, sewerage charges, water benefit tax, sewerage benefit tax, wheel tax but exclusive of State Education Cess and Additional State Education Cess as on 31-3-1980  
(Rupees in lacs)

	City	Suburbs	Extended Suburbs	Total
	Rs.	Rs.	Rs.	Rs.
(1) Government and Dy. Custodian of Evacuee properties	189.63	120.90	42.30	352.83
(2) Bombay Port Trust	78.06	21.52	...	99.58
(3) B. M. C. Impts. and other Municipal Departments	24.62	21.97	3.49	50.08
(4) Properties under attachment	90.15	157.23	93.99	341.37
(5) Amounts involved in respect of unauthorised structures and hutments	3.58	346.01	105.65	455.24
(6) Amounts due from B. E. S. T. Undertaking	4.61	1.98	0.73	7.32
(7) Instalments allowed	28.31	29.72	28.55	86.58
(8) Monthly tenancy structures	13.03	20.00	8.40	41.43
(9) Amounts held in deposit	7.39	38.98	19.61	65.98
(10) Other ratepayers: (a) Property taxes	210.27	1133.69	419.70	1763.66
(b) Wheel Tax	54.13	71.45	17.29	142.87
Total	704.78	1962.45	739.71	3406.94

- Re: (1) Payment was not received from Govt. Deptt. before 31-3-1980. The Dy. Custodian of Evacuee properties pays as and when fund permits.  
 (2) The payment was not received before 31-3-1980.  
 (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 as on 31-3-1980  
(Rupees in lacs)

	City	Suburbs	Extended Suburbs	Total
	Rs.	Rs.	Rs.	Rs.
(1) Railways	20.84	21.56	2.15	44.55
(2) Court Receiver, Official Assignee etc.	41.76	17.51	28.10	87.37
(3) Suits Filed, Injunctions, appeals and Writ Petitions against Rateable Value	425.23	128.71	67.05	620.99
(4) Complaints against Rateable Value	370.80	110.91	73.65	555.36
(5) Disputed Property Taxes	76.95	65.21	24.27	166.43
(6) Disputes regarding Wheel Tax	230.00	88.53	17.63	336.16
(7) Bills issued at the fag end of the year	294.82	97.04	46.51	438.37
(8) Arrears of taxes carried forward from the records of the defunct Local bodies	...	0.36	0.95	1.31
Total	1460.40	529.83	260.31	2250.54

- Re: (1) The Railways have made on account payment of Rs. 7.55 lacs, during 1979-80. The question of Assessment of Railway properties for the quinquennium 1-4-1964 to 31-3-1969 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	1978-79	1979-80
				Rs.	Rs.
City ...	65	1	66	18,55,468.00	19,02,083.00
Suburbs ...	40	1	41	10,54,319.00	11,39,442.00
Extended Suburbs ...	19	0	19	04,97,406.00	5,34,203.00
<b>Total ...</b>	<b>124</b>	<b>2</b>	<b>126</b>	<b>34,07,193.00</b>	<b>35,75,728.00</b>

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

(a) Hack Victorias (2 Horses each) ...	...	...	...	283
(b) Labour Carts (with pair of Bullocks) ...	...	...	...	329
(c) Hand Carts ...	...	...	...	11,966
<b>Total ...</b>				<b>12,578</b>

## Vehicles and Animals taxed during the year 1979-80

Vehicles or Animals taxed in the year	No.	Vehicles or Animals taxed in the year	No.
(1) Motor Cycle solo ...	54,767	(11) Taxis ...	22,985
(2) Motor Cycle with side car ...	1,806	(12) Passenger buses ...	1,290
(3) Trade Certificates ...	37	(13) Ambulance ...	97
(4) Motor Lorries ...	19,974	(14) Others ...	..
(5) Delivery Van ...	8,502	(15) Four Wheeled Vehicles drawn by animals ...	50
(6) Tractor ...	428	(16) Two Wheeled Vehicles drawn by animals ...	319
(7) Tanker ...	384	(17) Handcarts ...	11,873
(8) Crane ...	300	(18) Horses ...	1,566
(9) Motor Tractor ...	211	(19) Ponies ...	67
(10) Motor Cars ...	1,09,276	(20) Bullocks ...	727

## APPENDIX No. 10

## Classification of properties according to Rateable Value.

Rateable Value	No. of Properties		
	City	Suburbs	Ext'd. Suburbs
Below Rs. 200 ...	12,109	18,698	12,014
Between Rs. 201 and Rs. 300 ...	2,889	10,151	5,444
Rs. 301 and Rs. 400 ...	2,794	8,486	3,994
Rs. 401 and Rs. 500 ...	2,489	6,593	3,389
Rs. 501 and Rs. 750 ...	3,850	6,988	4,120
Rs. 751 and Rs. 1,000 ...	3,328	6,140	3,437
Rs. 1,001 and Rs. 1,500 ...	3,775	5,706	4,437
Rs. 1,501 and Rs. 2,000 ...	3,627	4,668	3,638
Rs. 2,001 and Rs. 5,000 ...	10,006	5,537	8,880
Rs. 5,001 and Rs. 10,000 ...	6,997	6,139	2,815
Rs. 10,001 and Rs. 20,000 ...	5,466	3,897	1,874
Rs. 20,001 and Rs. 30,000 ...	1,479	2,971	1,028
Rs. 30,001 and Rs. 40,000 ...	824	1,388	598
Rs. 40,001 and Rs. 50,000 ...	648	860	341
Rs. 50,001 and Rs. 1,00,000 ...	1,149	635	310
Rs. 1,00,001 and Rs. 1,50,000 ...	633	398	132
Rs. 1,50,001 and Rs. 2,00,000 ...	462	94	45
Rs. 2,00,001 and Rs. 2,50,000 ...	147	39	25
Rs. 2,50,001 and Rs. 3,00,000 ...	459	18	6
Rs. 3,00,001 and Rs. 3,50,000 ...	109	17	6
Rs. 3,50,001 and above ...	113	28	7
<b>Total ...</b>	<b>63,353</b>	<b>89,451</b>	<b>51,718</b>

## EDUCATION DEPARTMENT

The responsibility of Primary Education has been transferred to the Corporation in 1977. Since then, the activity has expanded so as to cover a student population of over 6 lacs. Secondary Education has been undertaken since 1965 during the year under report, it covers over 71831 student population.

The Supervision and Administration of Schools was carried out by the Education Officer with the assistance of 12 Superintendents, 20 Administrative Officers (Schools) and 56 Beat Inspectors.

### Municipal Schools and Classes :

Furniture articles to the tune of Rs. 39,87,740/- was supplied to schools during the year.

8 New Buildings and 2 Temporary structures and Extension to 5 Buildings have been carried out during the year under report. Thus 4 Buildings have been added to the existing 281 school buildings, bringing the total number of Municipal owned school buildings in Greater Bombay to 285. The additional 193 classrooms have helped to reduce the numbers of congested class-rooms.

The work of construction of 10 new buildings and extension to certain school buildings is in progress. 75 Primary Schools and Classes were accommodated in 285 Municipal owned buildings 381 primary schools including classes are being accommodated in 380 rented buildings and 17 primary schools (including classes) are housed in rent free buildings.

	Buildings	Schools
Municipal own building	293	845
Rented	371	396
Rent Free	21	22
	685	1263

### Teachers :

During the year No. of teachers stood at 18108 including 1024 Special Teachers as against 17682 including 1048 Special Teachers in the previous year. Majority of the ordinary teachers are trained teachers.

The total number of pupils on roll at the end of the year stood at 640924 as against 628991 in the previous year (Vide Appendix-I) Thus there was a net increase of 11933 pupils. The average attendance throughout the year was 586183 as against 578337 in the previous year.

Annual written examination of pupils of Standards I to VII was held in the months of March and April 1980.

The Details thereof as under :—

Standards.	Pupils appeared	Pupils passed	Percentage
I	1,47,184	1,12,462	77.16
II	1,22,226	99,073	81.05
III	1,09,801	87,926	80.76
IV	93,700	82,074	87.58
V	69,615	57,402	82.45
VI	55,544	49,118	88.42
VII	42,854	40,121	93.61

243 students secured more than 60 per cent marks in Middle School Examination and 14 students in High School Examination respectively.

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

### Municipal Urdu Teachers' Jr. College of Education, Malim.

During the year 1979-80, there were 80 trainees in the college 40 in D. Ed. First year and 40 in second year, the teaching staff included/Principal 4 full time Instructors, 1 Part time Instructor and 2 Special Teachers. The clerical and Labour staff consisted of 1 clerk and 1 P. on.

Out of 80 trainees, 73 appeared for D. Ed. 1st year and second year examinations held in April 1980.

### Jr. College of Education Imamwada.

During the year under report there are 77 trainees of D. Ed. IInd year and 80 trainees of 1st year. The teaching staff included One Head Mistress Physical Education and 3 special teachers for teaching special subjects viz. Sewing, Drawing & Music.

During the year 1979-80, 78 trainees of IInd year and 78 trainees of 1st year were sent for the D. Ed. IInd year and 1st year Examination April 1979 respectively. The result of D. Ed. IInd year and 1st year Examination has been declared 98.7% of IInd year and that of 92.3% of 1st year.

This year 77 trainees of D. Ed. IInd year and 80 trainees of 1st year have been sent up for the D. Ed. IInd year and 1st year examination. The result will be reported next year along with administrative report for 1980-81.

### 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 four seminars separately for Marathi Schools, Gujarati Schools, English School and Hindi, Urdu Schools. The topic for Marathi Schools was teaching of History. The topic for Gujarati Schools was History. The topic for English schools was Science and the topic for Hindi and Urdu Schools was Science.

There were 292 aided private primary schools. The average number of pupils on roll in aided schools during the year was 1,09,405 as against 1,03,001 in the previous year. The average daily attendance was 1,08,719 as against 99,247 of the previous year. The total number of Teachers in aided schools as on 31st March 1979 was 2979 City 1273 Suburb 1026 and Extended Suburbs 685 out of 2979 teachers 2617 are trained and 362 are untrained.

### Recognised Schools :

There are 437 unaided and recognised schools in Greater Bombay and number of pupils was 154911. The total number of teachers was 4746 City 2009 Sub. 1913 and Extended Suburbs 824.

### Physical Education :

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

During the year 1979-80 this section carried out different activities such as, Annual Sports, Games Competitions, Drill Competitions, Mass Drill Displays, Educational Excursion, Refresher course for Physical Education teachers, etc.

### Physical Training Institute.

As was done last year this year also the physical Education was included in the Inservice Training programme. The courses were conducted from 5th July 1979 to 15th March 1980. About 283 teachers of different language schools attended this courses. Special training in basic principles in gymnastics Drills, Asanas, Namaskars, 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 in addition to our 25 R. S. P. Unit, 10 more R. S. P. units were started in different municipal schools. Hence 35 R. S. P. Units having an Instructor and 48 pupils each, conducted the R. S. P. activities before and after the school hours. At the end of the year a R. S. P. Camp was conducted at Municipal Powai High Level Camp site, Aarey colony, with the help and guidance of the Traffic Police Deptt. About 210 pupils along with the 35 Instructors attended this camp.

### Scout Guide Activities.

Cub Masters	180	Cubs	..3386
Scout Masters	143	Scouts	..3351
Flock Leaders	115	Bulbuls	..2120
Guid Captains	85	Guides	..2197
Companies	85	Flocks	.. 115

In the year 1979-80 following activities and camps were conducted by the section. (1) Moonsoon Hikes (2) Explanatory Training Camp (3) Revision Course for District Scout Masters Guide Captains (4) Patrol Leader Training Camps (5) Cub Bulbul Excursions (6) Patrol Hikes (7) Judges Camp (8) Proficiency Badget Work shop (9) Social Service Project (10) Scout Guid. Festival (11) Annual Scout/Guide Sports and Rallies Etc. Over and above this our scouts and guides participated in the Ist Class Scout Guid. Rally conducted at Powai High Level campsite 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 first in the rally and they were invited by the National Head Quarters to participate in the National Craft Standard Camp at Panchamari at the cost of the State Head Quarter. This year being the golden jubilee of Cub and Bulbul. The National Cub Bulbul utsav was organised by National Head Quarters at New Delhi. This is the first time our cub bulbul participated in a camp out side Bombay. In all 24 pupils were sent to New Delhi for this Camp along with 4 teachers. This year one more batch of teachers and Officers of the Scout/Guide movement visited the National scout/guide training centre at Panchamari (M. P.) and gained some first class knowledge on camping and the training facility.

### Balbhavan Centres :

In addition to our 35 Balbhavan centres 27 new centres were opened this year. This includes the 15 Balbhavan Centres opened for I. Y. C. The children attending the centres were taught different games, handicraft, drawing, painting, paper work, dramatics, folk dances, songs, etc. At the end of the year a competition in handicraft, songs, dramatics, story telling, etc. were conducted. At same time an exhibition of the things prepared by the pupils at the centre was also organised at Birla Kr. eda Kendra and best artists were given prizes for the same, along with the winners of the Competitions.

### Section.

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

### Teaching Aid Centres.

As was done last year the teaching aid centre at Dadar continued to work along with the Inservice Training Centre. About 283 teachers were given the opportunity to attend the centre and prepare teaching aids. Each teacher prepared about 22 to 25 teaching aids. They were taught to prepare these aids in as little time as possible and in as attractive a manner as can be, with minimum expenditure. All the material for these aids were given by the centre to the 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 the centre has a printing press which print *Arkar Magazine* in different languages for the school children. Invitation cards of different activities of the week of our Department were also prepared at this printing press. Informative booklet on some physical activities, Scout/Guide and Physical Education programme of the year etc. was also printed at this centre.

### Music & Art Academy :

(Music Wing)

Sr. No.	Training Programme	Other Activities (Educational & Cultural)	Programme arranged by the Corporation and Participation therein by the staff of Academy.	Co-operation extended to outside Institutions.
1)	Inservice Training No. of teachers-283 participating in three sessions. One session of ten weeks.	(1) Music & Dance Competitions. No. of Music teachers participating.—200.	1) 9-4-79 International Health Day. 2) 28-4-79 Shivaji Anniversary. 3) 1-5-79 Maharashtra Day.	1) Taught songs in different languages to Javahar Balbhavan and afterwards inspected and accompanied same programme. The Director of Education of Maharashtra appreciated the Academy staff for aforesaid help.
2)	Music & Dance. Teachers training approximately 200 teachers attended at six Music Centres on every month end.	No. of schools participating—729. No. of pupils participating—2435.	4) 15-8-79 Independence Day. 5) 7-9-80 Felicitation of Chhota Gandharava.	2) Bal Pratisthan
3)	.....	2) Music Day Vocal recital by Pandit Mullikarjun Mansoor. The programme attended by Music & Art teachers, Officers & Corporators and other invitees. 3) Recording of sixteen Marathi poems of 1 to 1Vthstd. given to L. D. P.	6) 14-12-79 Felicitation of Pakistan Cricket Team. 7) 21-12-79 Inauguration of Bhatsai Project. 8) 11-1-80 Opening Ceremony of Bhatsai Project in presence of Governor of Maharashtra Mr. Sadik Ali.	The item of 1) Kitchen Band, and 2) Chrous song produced in which thirty Music pupils participated on 18-4-79 and 4-8-1979 respectively in the presence of Governor of Maharashtra, Shri Sadik Ali.
			9) 26-1-80 Republic Day. 10) 5-3-80 Prize distribution of Clean and Green Bombay.	3) Cooperation to outside Institutions. Full required arrangements made by the Academy made to the Music and dance competitions held by Central Government for scholarships, etc. 4) Help given in the work of taking interview of selection of the music teachers in the Municipal Secondary Schools.

### (Art Wing)

Serial No.	Training Programme.	Other Activities (Educational & Cultural)	Cooperation extended to outside Institution.
1	In-service Training-Art Teaching Aid (Partly) No. of teachers participating 283 in three sessions, each session of ten week's duration.	1) Offered necessary guidance to Art Teachers regarding Child-Art Competitions and made a display of children's drawings.—Birla Kreed Kendra.	1) Bal Pratisthan General stage arrangement and dresses for the kitchen band programme presented by the Music wings at two centres.
2	Art Centres (Three) set 73 students for grade examination 53 passed 6 with credit.	2) Planned and prepared a dummy and drawings for I. Y. C. Exhibition (Emotional Development of the Child sec.).	
3	Given guidance to Art Teachers (approx. 49) regarding Drawing Grade Examination.	3) Prepared charts, mobiles, models and arranged on Exhibition on Language Development Project (L. D. P. Sec.)	
4	Preparation for printing a Booklet on Art is being done, some notes are ready	4) Prepared Book jacket. (Education Department). 5) Prepared illustrations for a news-bulletin. (Education Department). 6) Provided stage arrangement and other art needs for programmes and functions presented by the music wing and other departments.	

### Municipal Teacher's Libraries.

#### Hours of Work :

During the year under reference the Municipal Teacher's Library at Gilder Tank was kept open from 8.30 a.m. to 7. p.m. and on Saturday from 11.30 a.m. to 3 p. m. The branch libraries at Santacruz and Ghatkopar were kept open from 10 a.m. to 5. p.m. and on Saturday from 11.30 a.m. to 3 p.m.



**Readers and Issue of Books :**

In the year under review, 18,852 books issued to the readers at Gilder Tank Library showing an average of 71.22 books per day. Table/Statement No. 1. attached herewith shows the issue record in detail in respect of G. T. Library. Similarly, 12,412 and 7,596 books were issued from Santacruz and Ghatkopar Libraries giving an average 43.55 and 26.65 respectively.

**Members :**

During the year, 180, 124 and 135 members have been enrolled at Gilder Tank, Santacruz and Ghatkopar respectively.

**Stock / Additions to The Libraries :**

During the year, 1884 (G. T.), 575 (Santacruz) & 496 (Ghatkopar) books have been added to the three libraries. 2955 books have been purchased from the grant of Rs. 50,000/-.

The statement nos. 2,3 and 4 show detailed stock and addition to the libraries at G. T., Santacruz & Ghatkopar respectively. Total no. of books with 3 libraries: 38817 at G. T. 15161 at Santacruz & 15889 at Ghatkopar (Total 73,765)

**Mobile Libraries :**

The Mobile libraries services have been suspended for the time being as the vans are not available to shift the boxes from centre to centre as per the programme fixed.

**Staff :**

There is one post of a Librarian who is in charge of all the branch libraries and Mobile library. The library clerks, three peons and one hamal are working at G. T. library. There is one library clerk and one peon at each branch library. (1 librarian, 7 library clerks, 5 peons & 1 hamal for 3 libraries & 30 mobile libraries.

**Periodicals :**

The statement nos. 3,4 and 5 show the details of periodicals and news papers subscribed and purchased locally from the grant of Rs. 6,000/-

**Children's Corner :**

All the three libraries have Children's Corner attached to them. There are 23,064 books for the Children Corner at G. T., Santacruz & Ghatkopar.

**Gratis use of School Premises :**

The use of Municipal premises for conducting Social Education Classes, Hindi classes, Reading cum. Study Rooms, Night Schools and Welfare Centres under the auspices of Education and/or Social Welfare Institution was continued to be allowed gratis or at nominal compensation charges or monthly compensation charges, outside regular school hours on prescribed conditions, with the consent of the owners of the properties in cases of rented premises.

**Children's Magazine :**

The Educational facilities provided for children as well as school teachers need further expansion with view to raising the Standard of Education in our school and to give greater scope for the development of potentialities of primary school children. It was, therefore, proposed to start children's magazines which would discover and encourage literary and artistic talents amongst the pupils and teachers. The quarterly magazines were, therefore, started since 1965 in four major languages i.e. Marathi, Gujarati, Hindi, Urdu. An amount of Rs. 55,000 was spent on this activity during the year.

**Mentally Retarded Children. :**

The Lions Juhu for Mentally Retarded Children continued to function during the year under report with 99 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                     | Mumbai:vi Muni. School Bldg, 'C' Ward.                             |
| 2. Special Class for Mentally Retarded Children                     | Nare Park Muni. School, Bldg., F/South.                            |
| 3. Lions Juhu Centre Special Class Mentally Retarded Children Khar. | Sam Shodhan Sadan, Gujrati Research Society, 16th Khar Road.       |
| 4. Special Class for Mentally Children Vile Parle                   | Manilal Sundarraj Municipal School Bldg., Vile Parle (West)        |
| 5. Special Class for Mentally Retarded Children Kandivli.           | Bajaj Road Municipal School Building, Kandivli.                    |
| 6. Special Class for Mentally Retarded Children Ghatkopar.          | Dhanji Devshi Municipal School Building, Hingwala Lane, Ghatkopar. |
| 7. Goshala Lane Municipal Class for Mentally Retarded Children.     | Goshala Lane Municipal School Building, P. K. Road, Mulund (West). |

**School for Deaf and Dumb :**

Two schools are run for Deaf and Dumb Children one at the Nair Hospital and the 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 Project :**

Activities as the Language Development Project pertained to the following broad areas.

- (1) Teacher Training
- (2) Production of instructional material
- (3) Research and Evaluation and
- (4) Development of curriculum resources centre.

These broad areas were covered under three Language Department (1) English Language teaching (2) Mother tongue teaching and (3) Second Language teaching. During the period under report, a number of activities pertaining to the above four areas were conducted in all the three language department.

**Organisation of work shop to provide theoretical base :**

Under the auspices of the Project, the following workshops were organised during the year in collaboration with Institutes like the Central Institute of English & Foreign Languages, Hyderabad the British Council Division, Bombay, Hindi Bhasha Sansthan, Agra. These workshops were organised for the benefit of the academic staff of the L. D. P. as well as for the officers and teachers of the Education Department.

1. Preparation on course desing and material production for teaching of Hindu as a second languages.
2. Testing and Evaluation.
3. Test Desing.
4. Evaluation of Bal Bharati Text Books for Std. II in Marathi, Hindi and Gujarati.
5. Teachinques of creative writing.
6. Reading.

**Teacher training programmes : —**

Teacher training is a major activity at the L. D. P. Centre. The training programmes are of long term and short term duration. While the training provided to teachers of mother tongue was in the form of enrichment programmes, the training provided to teachers of English and Hindi and Marathi 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 and workshops at the L. D. P. during the year was 1500.

**Correspondence course lessons :—**

In order to cover a larger number of Municipal teachers in the shortest possible time under the L. D. P. training programmes, correspondence lessons in English were prepared during the year. A scheme for preparation of correspondence lessons in Marathi and Hindi and second language has been drawn up.

**Broadcast of lessons in Marathi for teachers of Std. I :—**

Six Radio lessons prepared by the L. D. P. were accepted and relayed by All India Radio, Pune. These lessons covered all the basic skills of language teaching in Std. I.

**Experimental Schools :—**

The 23 experimental schools of L. D. P. in English language Teaching and 13 experimental schools in mother tongue teaching were further strengthened by providing them with instructional material in the form of booklets, work books, taped material, charts, reading cards, books etc. These schools were periodically visited by the academic staff for follow up work.

**Production of Instructional Material :—**

As a support to the teacher training programmes, L. D. P. devoted a substantial time to material production like handbooks, booklets, supplementary Reading material, audiovisual material etc. for teachers. Material is also produced for the use of pupils in the form of work books, reading card, supplementary reading material etc.

The following literature was prepared at the L. D. P. Centre during the period under review :--

**English :**

- (1) A work book for Std. V.
- (2) A Hand book for teachers of Std. V.
- (3) Audio-lingual drills.
- (4) A collection of comprehension passages for teachers.
- (5) Writing and taping of dialogues of English Readers II & III.
- (6) A collection of simple stories for pupils of Std. V & VI.

**Marathi :**

- (1) Work books for pupils of Stds. I & II.
- (2) A collection of nursery rhymes for Std. I.
- (3) A collection of language games for Sds. I & II.
- (4) Booklets on (i) Pre-reading & pre-writing activities; (ii) Grammar and (iii) Teacher's Hand book.
- (5) A glossary of words based on Marathi Text Books of Std. V in four languages.
- (6) Teacher's Hand books for Mother tongue teaching and Second language teaching.
- (7) Supplementary material for teaching of Marathi as Second language.

**Gujarati :**

- (1) A collection of action songs and stories for Stds. I & II.
- (2) A work book for Std. II.
- (3) A Booklet on Hand writing.
- (4) A collection of reading comprehension passages.
- (5) Material for the projects conducted in the Experimental Schools.
- (6) Booklets on Pre-reading & Pre-writing activities.

**Hindi :**

- (1) Booklets on (i) Spellings & Punctuation (ii) Pronunciation and (iii) Grammar.
- (2) Work-books for Stds. II to IV.
- (3) A collection of language games.
- (4) Hand books for teachers on functional grammar.
- (5) Copy writing books for pupils of Stds. I & II.
- (6) Taping of Hindi Readers as mother tongue and second language.

**Urdu :**

- (1) Teacher's Hand book.
- (2) Booklets on how to write correct Words and Urdu idioms and proverbs.
- (3) Booklets on Pre-reading & Pre-writing activities.
- (4) A collection of children's poems and children's classic short stories.
- (5) Introductory dialogues for lessons of Bal Bharati Stds. V to VII.
- (6) A collection of Aesop's fables.

**Research & Evaluation**

As study of the vocabulary of 3000 children of Std. I studying in Municipal Gujarati Schools was carried out during the year. A report in this respect is completed.

During the year, the Project has taken up the work of preparation of language tests based on Readers of Stds. V and VII (English).

A significant work in the field of evaluation was the evaluation of new language Readers of Std. II in Gujarati, Marathi and Hindi.

The following surveys and studies initiated during the year 1979-80 were completed during the period under review

- (1) Error analysis of composition work of pupils of Municipal Schools (Gujarati and Hindi)
- (2) A survey on the teaching of Marathi as a second language in the Municipal Schools.
- (3) A survey on the teaching of Hindi as a second language in the Municipal Schools.
- (4) Try-out of the Correspondence lessons prepared by L. D. P.

#### Participation of L. D. P. in the Exhibition :

The Project participated in the exhibition organised by the Education Department, on the occasion of the "International Year of the Child" by preparing and displaying a number of charts, models on the topic "Language and child development."

#### Curriculum Resource Centre

It was further strengthened during the year 1979-80 by purchasing the instructional material available in the market and also by preparing it at the L. D. P.

#### L. D. P. Library :

The Library has now about 8000 books on subjects connected with the teaching of languages. The library is used as a study centre by the academic staff of L. D. P. Officers of the Education Department, teacher-trainees, research workers etc.

#### Studio & Audio Visual Section :

Essential material was purchased during the year to provide ideal conditions for the recording work.

The work of the renovation of the room for the installation of the language laboratory is nearing completion. It is expected that the language laboratory will be installed before the end of current year.

#### School Health Service and Feeding Programme.

During the year 1,75,553 children were examined in 1,193 Primary Municipal Schools and 16,706 children were examined in 50 Secondary Municipal Schools.

1,64,610 children were found defectives. Total defects noticed among children were 3,30,934. 10,512 Guardians were advised to get their ward examined and treated early. 2,728 cases were treated at the Municipal General Dispensaries. 95,105 cases (New and Old) were treated at the school clinics.

4,366 children were referred to the out-patients departments of the Municipal General Hospitals for expert opinion. 222 tonsils operations were performed at the school clinics. 358 children were supplied with spectacles. 25 children were supplied with special aid such as calipers, hearing aid etc. 870 suspected cases of leprosy and 1,731 of tuberculosis were referred to the special clinics for investigation and treatment. 8 children suffering from leprosy were disallowed from attending schools.

#### Major Defects noticed were as under

Major defects.	Percentage	Major defects.	Percentage
Dental	49.33	Heart & Circulation	0.22
Throat	12.14	Lungs & Tuberculosis	1.46
Nose	11.56	Spoken	0.02
Eye (External Diseases)	1.12	Skin (Contagious)	5.09
Eye (Vision)	0.87	Deformity of bones & ricket	3.12
Ear Dis ases	3.27	General disability	37.18
Enlarged Lymphatic glands	17.93	Other diseases	4.09
		Vitamin deficiency	11.73

Health Education was imparted to about 25,000 parents and teachers 10,223 domiciliary visits and revisits were paid. Health parade, health ministry and health trophy competitions were arranged in schools in D, F/N, G/N, H(W) and L Wards with a view to inculcate health habits among the children.

#### Immunization work done as under

(a) Diphtheria and Tetanus	..	..1st does	80,066
(b) D.	..	..2nd does	68,628
(b) B. C. G. Vaccination	..	..	45,336
(c) T. A. B.	..	..	3,82,770

The Medical examinations in municipal schools were also carried out by (1) Child Welfare Centre at J. J. Group of Hospitals (2) Department of preventive social Medicine, T. N. M. College and L. T. M. G. and G. S. M. College (3) Mobile Health Unit, Parel respectively.

Being the International year of the child, two new schemes were launched, (i) Healthy child competition (ii) Audio Visual project for extensive health education in the Municipal Schools.

Two Medical Officers and one public Health Nurse from Marathwada region attended for lectures on school health services and demonstration programme.

#### Secondary Education :—

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

Though it is not an obligatory duty of the Corporation has undertaken this activity purely with a view to meet the needs 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 1566 classes of different media in these schools at present with a total strength of 71,559 pupils in Std. V to X. The total number of teaching staff in schools is 2448. 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 per cent students come from lower strata of society. They have no proper facilities to study at home. It was, therefore, essential to conduct study camps for S. S. C. students. (New Course-10th Std.) Residential study camps for eight days for the students securing more than 55 per cent are also organised in centrally located municipal secondary schools.

Experts were invited to guide the pupils Special Classes for S. S. C. students were also conducted in all school for S. S. C. results of 1980. Please see Appendix VI.

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

Different studies and different activities are conducted by the Department.

In the year 1979-80 different studies were taken up by the Department —

#### In service Training Programme through Correspondence :—

In the year 1976-77, it was planned to prepare a package for Correspondence Training Programme for the Municipal Primary Teachers in order to cover up at least 2500 teachers a year. It was necessary to prepare correspondence material for this purpose and also try it out standard wise. The following steps were taken for this purpose :—

- (i) To find the difficulties in which the teachers need training.
- (ii) To train a personnel to prepare the correspondence material.
- (iii) To prepare the material and try it out.

Help to N. G. E. R. T. was sought and for preparation of this material. Accordingly the material is now prepared and ready for launching the Correspondence Programme. During the year 1977-78 this material was tried on about 200 teachers of different languages.

All the material which was prepared in 1977-78 for this was duplicated and tried out in actual situation at the Centre in different Beats. The same is ready now for printing.

#### School Readiness Programme during the Summer :—

The Department tried to find out the solution to the problem of wastage in Primary Education especially in Standard I by launching programme of school Readiness for the new entrants from the Summer in 1977. This programme was studied in the year 1978. and 42 classes in different parts were started for the new entrants. Simultaneously, the programme launched in 1977 was further studied. The Socio Economic Survey of the families from which these children, case was also taken and it was found that all the children who attended for Summer Classes were coming from very poor Socio-Economic conditions and the Summer Programme helped them to inculcate certain good habits and attitudes amongst these children.

The drop-out rate amongst these children was found to be about 6/7 whereas the drop-out rate in general amongst Standard I children is 25 to 30 per cent. This programme was very much admired by C. C. T. (NCERT) and they have prepared a special film of this Programme with an intention to use the same for other parts of India and, if necessary, for other developing Countries too.

In May 1977, the programme was entirely financed by Social Organisation like Lions Clubs, Rotarians, etc. in 1978, the same was mainly financed by the Corporation. Few more activities in this programme were added in 1978.

**Merit Scholarship Classes :—**

It was usually observed that the Municipal School children can not compete 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 examinations. 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 examinations on the condition that such of the students who will get such scholarship, must continue their further education in Municipal Schools. During the year 1979-80 also 3657 students have appeared for the Scholarship Examination and 243 students have secured more than 60 percent marks and 14 students secured Government Merit Scholarship.

**Development of talents of Municipal School Children :—**

Different Cultural Programmes and Competition in dance, music, etc. were organised by the Department as in last year. This year also i.e. in 1978-79, 20,000 students participated in Drawing Competitions and the first five from each group in each of the Wards were awarded prizes. Competitions in Music were also organised in different types of focal music and the talented pupils were encouraged by giving prizes. About 550 students were prepared for Elementary and Intermediate Drawing Examinations by the schools out of which 375 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.

**New Approach of Teaching in Standard I :—**

To implement the ungraded system in Standard II, the Department has prepared the Diagnostic Tests for students who have completed first year of education at Primary level in Arithmetic. It is proposed to standardise this Test next year. Lot of material has been given to the teachers teaching standard I.

Amongst different remedies to reduce the drop out rate, the Department introduced a new approach of teaching children in Standard I during the year 1978-79 special six weeks programme for Std. I children was designed by a Committee of Superintendents of the Department and few Experts from outside. The teachers implemented this programme with great enthusiasm. This programme is found very effective but it was felt that it is essential to provide teaching learning material for these students especially for small group work. The Department had provided some of this material but looking to the large number of schools 1206, the amount available for this purpose is very meagre.

**Curriculum Development Centres :—**

Total Primary Teacher population of the Department is about 17,000 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 Centre. 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 meetings as well as taking special groups 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 Nketan 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 playing 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 some 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 Slums covering about 65,000 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 the parents 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 already 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 and II to enrich their experiences and to expose them to the new environment and new situations.

Meetings of the parents were conducted periodically, they were also shown different films and demonstrations were also organised in order to make them aware about the healthy habits and attitudes 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 parents 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 child exhibition was organised on Child Development which was inaugurated 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.

#### **Essay Competition of Teachers**

Extensive Essay Competitions of the Primary Schools Teachers were organised at divisional levels and a book comprising of the best selected essays was released on the occasion of the inauguration of the Exhibitions.

### **Finance.**

The Principal sources of income of Primary Education Department are (1) Five items the actual net realisation of the Corporation in the preceding year under the head of General Tax (including arrears and payments in advance) divided by the rate for the General 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 1978 was Rs. 39,85,724.00

The details are 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.	13,97,74,990	2,76,85,500	5,24,20,195	2,692,515	22,25,73,200

The total expenditure for the year amounted to Rs. 21,62,85,329.

The closing balance as on 31st March 1980 (after taking into account increase in Renewed Grant) was Rs. 39,33,277.

**K. N. KAMAT**  
Education Officer.

**APPENDIX No. I**  
**Municipal Schools and Pupils as on 31st March 1980.**

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Schools	Classes	Pupils	Schools	Classes	Pupils	Schools	Classes	Pupils
Marathi	257	..	151527	184	2	145007	97	2	69166
Gujarati	69	6	16714	55	3	20091	41	4	20827
Urdu	103	3	38447	75	4	44306	19	1	7867
Hindi	52	2	20927	63	4	31961	35	2	16999
Tamil	11	3	4520	13	2	4033	11	1	2637
Telugu	17	1	6877	11	4	2225	4	5	1338
Kannad	12	8	3401	20	4	6628	6	2	2956
Eng. Primary	18	2	6916	12	..	4035	5	1	1586
Sindhi	..	2	67	2	..	475	1	2	271
Malyalam	..	..	..	..	4	120	..	..	..
<b>Total</b>	<b>539</b>	<b>26</b>	<b>249396</b>	<b>435</b>	<b>27</b>	<b>267881</b>	<b>219</b>	<b>20</b>	<b>123647</b>

**APPENDIX No. II**

**Statement showing The Number of Trained and Untrained Teachers in Municipal Schools according to sides as on 31-3-1980.**

Side	CITY.		SUBURBS.		EXTENDED SUBURBS.	
	Trained	Un-trained	Trained	Un-trained	Trained	Un-trained
Marathi	4798	10	4122	12	1806	5
Gujarati	608	3	701	12	633	2
Urdu	1066	6	1073	10	161	1
Hindi	440	..	813	15	440	6
Tamil	149	4	89	6	60	..
Telugu	124	41	54	9	29	2
Kannad	100	3	189	12	90	..
Eng. Primary	192	8	83	11	36	6
Sindhi	6	..	34	4	12	2
Malayalam	..	..	8	..	..	3
<b>Total</b>	<b>7483</b>	<b>74</b>	<b>7166</b>	<b>91</b>	<b>3267</b>	<b>27</b>

**APPENDIX NO. III.**

**Municipal Recognised and Aided Schools and pupils as on 31-3-1980.**

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	9875	33	10362	23	5996	38	15077	11	2063	19	6103
Gujarati	32	8934	28	7285	17	3573	18	8665	17	4672	22	13323
English	118	41453	35	17093	127	56501	34	10252	51	17563	11	5710
Urdu	4	397	9	3250	4	983	4	728	..	..	..	..
Hindi	..	..	11	3527	5	1384	9	303	4	782	7	2415
Sindhi	..	..	1	45	..	..	..	..	..	..	..	..
Tamil	..	..	4	872	..	..	1	412	1	429	..	..
Malayalam	..	..	2	258	..	..	1	376	1	179	..	..
Kannad	1	72	4	567	..	..	..	..	..	..	..	..
<b>Total</b>	<b>176</b>	<b>60786</b>	<b>127</b>	<b>43254</b>	<b>172</b>	<b>63137</b>	<b>105</b>	<b>33600</b>	<b>85</b>	<b>25388</b>	<b>59</b>	<b>27551</b>

**APPENDIX No. IV**

**Information Regarding Physical Education in Municipal Schools**

Number of Schools and Classes	..	..	(Statistics Section)
Number of Schools imparting physical education on playgrounds	..	..	293
Number of Schools imparting physical education in open spaces	..	..	397
Number of Schools imparting physical education in Class-room	..	..	Remaining No. of School.
Total number of Pupils	..	..	(Statistics Section) 628991
Pupils taking Physical education	..	..	All
Number of trained teachers in physical education	..	..	171
Number of Special Teachers in Physical Education	..	..	4275
Number of schools with playground	..	..	293
Number of Schools with equipment for play	..	..	720
Number of Schools with qualified instructors	..	..	171
Number of Schools with having Scout/Guide Troops	..	..	391



APPENDIX No. V  
Average cost per pupil

	Year					
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Average cost	233.67	304.09	295.90	357.10	344.44	..

APPENDIX No. VI.  
Municipal Secondary Schools  
S. S. C. Results—New Course 1980.

Serial No.	Name of the School.	No. of students appeared.	No. of students passed.	Percentage of passing during the year 1979.	Percentage of passing during the year 1980.
1	2	3	4	5	6
1	Colaba	200	66	33.00	73.56
2	Dongri	99	51	51.52	47.09
3	Imamwada	135	71	52.	50.38
4	Kalbadevi	125	51	40.8	60.83
5	Gilder Tank	209	44	21.00	19.8
6	Nagpada	125	21	16.8	41.09
7	Abhydaya Nagar	263	135	51.33	48.7
8	Sion	74	38	51.35	39.24
9	N. M. Joshi Marg	204	57	27.94	33.33
10	Worli	160	70	43.7	37.33
11	Mahim	162	88	54.32	41.01
12	Santacruz	260	33	12.69	15.3
13	Vile Parle	139	71	51.08	42.06
14	Andheri	123	60	48.77	47.5
15	Kandivli	108	51	47.2	32.50
16	Borivli	362	190	52.49	44.75
17	Barve Nagar	226	85	37.61	25.77
18	Mulund	321	84	26.16	32.33
19	Topiwala Lane	57	25	43.86	40.50
20	Naigaon	123	67	54.47	60.50
21	Rajawadi	86	37	43.02	38.96
22	Goregaon	243	187	76.95	56.30
23	Malad	347	159	45.8	37.30
24	Mohd. Umer Rajab Rd.	69	27	39.1	32.55
25	Byculla	82	53	64.63	70.06
26	Dadar West	61	15	24.5	32.94
27	Erangal	18	3	16.66	25
28	Walpakahdi	25	5	20.00	27.24
29	J. R. Muni.	39	11	28.21	28.5
30	Walibai	37	20	54.50	28.51
31	Chhotalal D	12	8	66.67	50.00
32	Nana Chowk	82	42	51.22	42.42
33	Tardeo	75	27	36.00	52.72
34	Souter Street	57	20	35.00	30.00
35	East Byculla	139	33	23.7	27.10
36	Agripada	35	15	42.9	36.50
37	Nare Park	190	54	28.44	24.30
38	Shindewadi	88	9	10.22	22.20
39	New Sion	120	36	30.00	22.20
40	L. K. Waghaji	70	17	24.29	39.39
41	Globe Mill Passage	95	37	39.90	42.90
42	Prabhadevi	114	56	49.10	56.70
43	R. C. Mahim	51	4	7.84	39.0
44	L. J. Road	62	13	20.97	31.25
45	Khernagar	259	180	69.49	50.00
46	Santacruz (West)	176	70	39.77	37.60
47	Vile Parle (West)	76	37	48.68	56.20
48	Motilal Nagar	131	67	51.14	36.40
49	Vikhroli Park Site	242	93	38.42	37.60
50	G. K. Marg	81	25	30.8	18.80
	Total	6637	2728	40.9	39.4

Kumar Pradhyumna D. Namdeo, student from Gilder Lane Municipal School has secured 604 marks out of 700 (86.3% marks).

He also secured S. S. C. Boards prize of Rs. 150/- for highest marks in Hindi Higher Level. (80%).

## Municipal Award Winner Teachers for 1979-80.

Serial No.	Name of the Teacher.	Designation.	Name of the School.
1	2	3	4
(1)	Smt. Prabhavati Gajanan Chaudhari.	..H. Tr.	Topiwala Lane M. S
(2)	Smt. Shanta Gopal Joshi.	..H. Tr.	Los Angles U. P. M. S.
(3)	Shri Vasant Sadashiv Patil.	..H. Tr.	Chinchavli (Shatabdi Sohla)U.P.M.S.
(4)	Smt. Asha Anant Bhosale	..Dy. H. Tr.	Vaitrna U. P M. S.
(5)	Shri Zuzu Padrin Kulaz	..H. Tr.	Poibavadi U. P. M. S. No. 1.
(6)	Shri Lallubhai Morarji Patel	H. Tr.	Dattapada U. P. G. S.
(7)	Shri Prabhubhai Gulabhai Nayak.	H. Tr.	New Nagardas U. P. G. S.
(8)	Shri Radheshyam Rajaram Upadhyay.	..Dy. H. Tr.	Anantwadi U. P. H. S.
(9)	Shri Shivkumar Shyamlal Dwiedi.	H. Tr.	Govind Nagar U. P. H. .S
(10)	Smt. Ze bunnisa Fakir Mohd.	..H. Tr.	Babula Tank U. P. Urdu School.
(11)	Shri Mohd. Ismail S/O Gulam Husen.	..H. Tr.	Balaram Street Voc. Mpl. Urdu Sch.
(12)	Smt. V. Shantam	..H. Tr.	P.B. Marg U. P. Munl. Telgu Sch.
(13)	Shri Achanna J. Shetty	..H. Tr.	Sardar Nagar U.P. Mpl. Kannad Sch.
(14)	Shri Vasant Barsu Patil	..H. Tr.	Tardeo Mpl. Sec. School.
(15)	Smt. Ratnaprabha Raghunath Thakur.	..Dy. H.Tr.	New Sion Mpl. Sec. School.
(16)	Shri Pandurang Mahadeo Rane.	Tr.	Arther Bridge.
(17)	Shri Anant Waman Bapat	.. Do.	Panaswadi U. P. M. S.
(18)	Shri Gurunath Ramchandra Datkar.	.. Do.	Ratanbai U. P. M. S.
(19)	Shri Madhukar Kashinath Shrimante	.. Do.	Jayantilal Vaishnav J. P. M. S. No. 2
(20)	Smt. Satyabhama Shridhar Pakhare	.. Do.	Khajuri Bhatti U. P. M. S.
(21)	Shri Prabhakar Rachandra Mahajan	..Spl. Tr.	Borivali Magthane U. P. M. S.
(22)	Shri Shantaram Dhondu Dagade	Do.	S. G. Barve Marg U.P.M.S. No. 2.

## PUBLIC HEALTH

## HIGH LIGHTS

Expenditure	Rs.
(1) Maternity and Child Welfare Centre	1,32,03,408
(2) Pre-school and School Health Services	21,41,416
(3) Prevention and Control of Infectious Diseases, etc.	4,26,93,050

## Income :—

(1) Issue of licences, certificates of births, deaths etc. Fines realised	44,63,064
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## Control of Food Adulteration :—

Samples under P. F. A. Act.	1,534
Adulterated	31
Prosecutions (In 21 cases, the persons were warned. only one court case was decided with conviction & fine)	10
Fines realised	1,000/-

## Food Establishments :—

	Eating Houses	Bakeries.
Grade I	156	3
Grade II	840	18
Grade III	4,656	376
Without Grade	10	2
	5,662	399

## Vital Statistics

Births registered		Deaths registered	
(1) Live births	2,04,595	(1) Total	72,002
(2) Still births	6,570	(2) Infant deaths	15,078

## Notifiable Diseases :—

	Reported Cases	Deaths Registered
Enteric Fever	878	79
Polio-myelitis	987	65
Infectious Hepatitis	3,521	747
Diphtheria	116	10
Tuberculosis	14,093	8,756
Virus Encephalitis	Nil	Nil
Smallpox, Plague and Cholera	Nil	Nil
Total	19,595	9,657

## Immunizations carried out

	1st dose	2nd dose	3rd dose	Booster
(1) Anti-typhoid	6,86,434			
(2) Anti-Cholera	2,67,327			
(3) B. C. G.	1,20,893			
(4) Polio	1,94,656	1,41,558	1,08,539	67,338
(5) Triple	1,67,077	1,03,159	75,830	76,736
(6) Tetanus	5,08,431	58,005	27,446	386
(7) Diphtheria	95,452	46,830		
Veneral diseases cases treated	27,380			

## HYGIENE :

## Maternity and Child Welfare Services :

	Maternity Homes	Maternity Wards	Maternity & Child Welfare Centres
	22	9	39
Deliveries conducted			84,152
Cases treated at Clinics			6,37,361

## Family Welfare Planning

I. U. C. D. insertions	..	..	..	..	5,012
Vasectomy Operations	..	..	..	..	1,417
Tubectomy Operations	..	..	..	..	15,458
Condoms distributed free	..	..	..	..	7,58,346
Free Dispensaries	142		Mobile Free Dispensaries	22	

## Vaccination Branch

Primary Vaccinations	77,148	Re-Vaccinations	1,42,017
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## Municipal Laboratory

Total samples received	Water samples	Samples found unfit for potable purposes.
44,760	33,985	3,952

## Municipal Hospitals.

	Indoor	Outdoor
(1) Eye Hospital, Kamathipura—		
(i) New Cases	1,980	41,632
(ii) Total attendance	19,279	14,31,04
(2) 11 Municipal General Hospitals under Executive Health Officer		
(i) New Cases	..	15,61,348
(ii) Total Attendance	..	54,63,391
(3) Kasturba Hospital for Infectious Diseases		
Total beds	680	..
Admissions	21,584	..

## Outstanding Activities.

New Dispensaries

4

## STATISTICS FOR THE YEAR 1979

	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 (1979)	32,71,000	36,01,000	12,38,000	81,10,000
(4) Total live births registered.	81,235	80,847	42,513	2,04,595
(5) Birth Rate per 1000 population	26.1	37.8	57.9	34.3
} Census of 1971				
} Mid-year estimated (1979)	24.8	22.5	34.3	25.2
(6) Total deaths	36,332	24,694	10,976	72,002
(7) Death rate per 1,000 population	11.8	11.4	14.9	12.1
} Census of 1971				
} Mid-year estimated 1979	11.1	6.9	8.9	8.9
(8) Total deaths among infants (under 1 year.)	6,624	5,870	2,584	15,078
(9) Infant death rate per 1,000 live births.	81.5	72.6	60.8	73.7
(10) Maternal deaths	67	47	20	134
(11) Maternal death rate per 1,000 births	0.8	0.6	0.5	0.7
(12) Still births	2,746	2,570	1,254	6,570
(13) Plague, Cholera, Smallpox, Influenza Deaths.	Nil	Nil	Nil	Nil.
(14) Tuberculosis	5,013	2,501	1,242	8,756
} Deaths	1.5	0.7	1.0	1.0
} Death rate				
(15) Acute Anterior Poliomyelitis	36	17	12	65
} Deaths	0.0	0.0	0.0	0.0
} Death Rate				
(16) Diphtheria	6	4	..	10
} Deaths	0.0	0.0	0.0	0.0
} Death rate				
(17) Typhoid	54	20	5	79
} 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.

(3) **Water Supply** : Bombay receives chlorinated water supply from Tansa, Vaitarna and Vehar and filtered water supply from Ulhas and Tulsi Lakes. The quality of water is checked by drawing water samples from various points in the Supply of Distribution System and analysing them in the Municipal Laboratory.

(D) **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.
3,96,260	2,25,910	28,285	31,450

## VITAL STATISTICS

**Births and Birth-rate** ( Live births registered during the year were 2,04,595 which were, 14,678 more than for 1978 and 19,579 above average of the quinquennium 1974-1978. The birth rate was 25.2 per 1,000 population.

**Death and Death-rate** : 72,002 deaths were registered during the year. They were 4206 more than for 1978 and 6,636 above the mean mortality of the preceding 5 years. Deaths from principal causes of deaths are detailed in Table 2. Death-rate was 8.9 as against 8.6 for 1978, 20.9 per cent of the total death, were among infants.

**Infant Mortality** : Deaths among infants under 1 year of age numbered 15,078 which were 1566 more than in the preceding year and 1369 less than the annual average of the quinquennium 1974-1978. The infant mortality rate was 73.7 per 1,000 live births against 71.2 in 1978. Details of infant deaths are in Tables 3 and 4. The maternal mortality numbered 134, the rate being 0.7 per 1,000 live births as against 0.8 during 1978.

## CONTROL OF INFECTIOUS AND COMMUNICABLE DISEASES

**Notification** : Notifications of infectious diseases numbered 19,595 as against 24,494 in 1978. Of these 655 were from the medical practitioners. For details, refer Table No. 1 Immunization procedures carried out during the year are detailed in Table No. 5.

**Infective Hepatitis** : caused 3,521 attacks (including 191 originating in the other local areas of India) and 747 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 6,73,703 (including 1,50,075 Rattus Rattus and 2,69,208 Gynnoys Kok as against 6,94,429 in 1978. 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, 2,67,327 persons were inoculated against Cholera.

**Influenza** : It caused no deaths.

**Enteric Fever** : The number of notified cases viz 878 (including 8 originating in other local areas of India ) was 681 less than that in 1978. Number of deaths was 79 as against 99 in 1978.

**Acute Anterior Poliomyelitis :** 987 cases (including 148 originating in the other local area of India) and 65 deaths were reported due to this disease.

**Diphtheria :** 116 cases were notified. Of these, 18 were originating in the other local areas of India. 10 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, 14093 T. B. cases were notified and deaths numbered 8756. 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.

**Veneral Diseases. :** Veneral diseases cases were treated at the Municipal V. D. Clinic situated at 254, J. B. Boman-Behram Marg, Bombay-2, 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 in the 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 21303 samples of blood were received from the Municipal Maternity Homes & Hospitals for opinions. 26330 male and 1208 female Veneral and Nonveneral cases were treated. Out of 27380 Veneral cases, 7197 were Syphilis, 6257 were Gonorrhoea and 8724 were cases for non-syphilitic sores. On an average 998.53 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. 7848 new cases were treated at the clinics the total attendance being 28805. Daily average attendance numbered 413. 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. 10 000/-) 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 1979 to December 1979 as under:—

(1) **Comprehensive Health Care to the Municipal School Children—**Medical Examination of 27106 children in 1st and 3rd standards of 248 Municipal Schools allotted to this Unit by the Medical Officer (Schools) was conducted and in all 76849 immunizations were carried out (Table 12).

(2) **Control of communicable diseases :** 97100 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 1202 health drives were carried out when 95080 patients were examined and treated and 42892 patients days treatment were dispensed.

(4) **Training of medical and para-medical persons :** 132 Medical interns from G. S. M. College were trained in Health Practices.

(5) **Film Shows :** In all 298 film shows on mass health education and family planning were arranged in different localities.

### VACCINATION

There was no case of Smallpox during the year 1979. The country was declared free from Smallpox diseases as declared by W. H. O. All the activities of Vaccination Branch hitherto carry out, were stopped from 1st September 1979 and Primary and International vaccinations work was transferred at 24 centres, controlled by M. O. i/c Hospitals, and dispensaries. The vaccination outdoor staff was utilized for E. P. I. Work and later on, they were trained for M. P. W. Scheme and this Scheme is introduced in eight wards viz—F/South, G/South, H/East/West, K/East/West L & N Wards. V. Ks. are utilized for E. P. I. motivation work in remaining Wards in Greater Bombay.

As regards N. S. E. P. staff (Govt. Staff):— This staff was absorbed in this department as Investigators and Inspectors from 1.3.1979 and utilised in M.P.W. Scheme.

**Haj Vaccination :—**

3027 Pilgrims who were proceeded to Haj, were re-vaccinated as usual and certificates of International Health were issued to them.

83 candidates who joined the vaccination course were imparted theoretical instructions and practical training in vaccination against Smallpox.

Primary vaccination—77148

Re-vaccination—142017

## MALARIA

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. The malaria mosquito breeding was detected on 24 occasions. 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 74 occasions and *Aedes* index was 0.002% 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	18,684	767
(2) Bacteriological Examination	26,076	3185
	44,760	3952

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 43 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.

**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 1376. The number of deliveries conducted was 84152. 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 7 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	5012
(2) Vasectomy Operations	1417
(3) Tubectomy Operations	15,458
(4) No. of condoms distributed	7,58,346

**KASTURBA HOSPITAL FOR INFECTIOUS DISEASES**

Dr. (Smt.) R. Prabha M. D., Associate Professor of Medicine, T. N. M. College who was appointed as Professor of Medicine for Kasturba Hospital from 19-5-1978, looked after the administration work of the hospital during the year 1979.

Admissions	21 584
Expenditure	Rs. 80,78,479.31

**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 800 bottles are supplied daily.

**Immunization Centre :** 705 persons were immunized against Diphtheria, 3021 against Enteric Fever, 3021 against Cholera, 205 primary and 1310 re-vaccinations were done against smallpox.

**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.

**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 785 students including undergraduates of M. B. B. S., Ayurvedic, Homeopathic and 42, post graduates preparing for the examination of Diploma in Child Health, 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 148 dispensaries and 22 Mobile dispensaries were 57,10,554 against 53,74,644 in 1978. The total attendance was 1,58,88,269, as against 1,54,02,417 in 1978.

Clinics for women and children were conducted at 4 dispensaries for two hours thrice a week. New cases treated were 1578 (women and children) as against 1728 in 1978. The total attendance was 7803. These figures include visits by the Lady Doctors to patients at their homes. At the 39 maternity & Children Welfare Clinics, 1,92,438 new cases (1,27,290 women and 65,148 children) were treated. The total attendance was 6,37,361.

**Municipal Eye Hospital, Kamathipura :** The total number of new cases treated and total attendance at its out-patient department of this hospital was 41,632 and 14,31,04 as against 39,170 and 1,76,112 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1980 and 19,279 respectively, as against 1987 and 19,817 respectively in 1978.

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 medicines 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.
- (4) 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) Municipal maternity Home, Bhandup.
- (10) Smt. M. T. Agarawal Municipal General Hospital, Mulund (West).
- (11) Deonar Maternity Home.
- (12) Sant Muktabai Municipal G. Hospital, Barve 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 pay adequate attention to each patient. The over crowding 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, 49 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 I/C.

TABLE 1

Notifiable Diseases.	1979	
	Attacks.	Deaths.
Plague	..	..
Cholera	..	..
Small Pox	..	..
Diphtheria	.. 116	.. 10
Enteric Fever	.. 878	.. 79
Infectious Hepatitis	.. 3521	.. 747
Tuberculosis	.. 14093	.. 8756
Meningococcal Infection	.. ..	.. ..
Typhus	.. ..	.. ..
Puerperal Fever	.. ..	.. ..
Anterior Poliomyelitis	.. 987	.. 65
Influenza	.. ..	.. ..
Virus Encephalitis	.. ..	.. ..
Scarlet Fever	.. ..	.. ..
Yellow Fever	.. ..	.. ..
Relapsing Fever	.. ..	.. ..
Leprosy	.. ..	.. ..
Haemorrhagic Fever	.. ..	.. ..
Dengue Fever	.. ..	.. ..

Immunization		Total during 1979
Diphtheria Tetanus	.. 1st dose	95,452
	.. 2nd dose	46,830
Triple	.. 1st dose	1,67,077
	.. 2nd dose	1,03,139
	.. 3rd dose	75,830
	.. Booster dose	76,736
Polio	.. 1st dose	1,94,656
	.. 2nd dose	1,41,558
Booster	.. 3rd dose	1,08,539
		67,338
T. A. B.	..	6,86,434
Cholera	..	2,67,327
Small-pox:	.. Primary	77,148
	.. Re-vaccinations	1,42,017
Tetanus-toxide	.. 1st dose	5,08,431
	.. 2nd dose	58,605
	.. 3rd dose	27,446
	.. Booster dose	386
B. C. G. Vaccination	..	1,20,893

TABLE 2  
Deaths and Death rates from Epidemic and Principal Causes, 1979

Causes of Death	Average of year 1974-78		1978		1979	
	Deaths.	Death Rate	Deaths	Death Rate	Deaths	Death Rate
<i>Principal Epidemic Diseases</i>						
Smallpox	.. 1	0.0	..	..	..	..
Measles	.. 136	0.0	.. 81	.. 0.0	.. 90	.. 0.0
Plague	.. ..	..	..	..	..	..
Enteric Fever	.. 61	0.0	.. 99	.. 0.0	.. 79	.. 0.0
Malaria Fever	.. ..	..	..	.. 0.0	..	..
Influenza	.. ..	..	..	..	..	..
Cholera	.. ..	..	..	..	..	..
Dysentery	.. 272	0.0	.. 268	.. 0.0	.. 298	.. 0.0
Diphtheria	.. 45	0.0	.. 24	.. 0.0	.. 10	.. 0.0
<i>Other Principal Diseases</i>						
Tuberculosis	.. 7,951	1.1	.. 7,941	.. 1.0	.. 8,756	.. 1.0
Meningococcal Infection	.. ..	..	..	..	..	..
Diseases of nervous system.	.. 1,115	0.2	.. 1,084	.. 0.1	.. 1,737	.. 0.2
Diseases of Respiratory system	.. 11,313	1.2	.. 9,814	.. 1.3	.. 10,814	.. 1.3
Diarrhoea & Enteritis	.. 3,648	0.5	.. 3,490	.. 0.4	.. 4,359	.. 0.5
Purperal State	.. 97	0.0	.. 144	.. 0.0	.. 134	.. 0.0
Congenital Debility & Diseases of early infancy	.. 5,916	0.8	.. 6,156	.. 0.8	.. 6,390	.. 0.8
Senility Without mention of psychosis	.. 2,655	0.4	.. 4,488	.. 0.6	.. 4,040	.. 0.5
Violence	.. 5,138	0.7	.. 5,576	.. 0.7	.. 5,619	.. 0.7
Other causes.	.. 26,911	3.7	.. 28,631	.. 3.6	.. 29,686	.. 3.7
Total	.. 65,259	8.9	.. 67,796	.. 8.6	.. 72,062	.. 8.9

TABLE 3  
Deaths among infants from Principal Causes by Age-periods—1979.

Age Period	Small pox.	Meas- les.	Malari- al 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	Percentag to the total of infants deaths.
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 7 days ...	...	...	...	65	3	3935	416	...	...	1031	5450	36.1
1 to 4 Weeks ...	...	...	...	449	16	1556	509	...	...	490	3030	20.1
Total under 4 weeks ...	...	...	...	514	19	5501	925	...	...	1521	8480	56.2
4 weeks to 6 months ...	...	4	...	1018	27	665	1260	...	3	1049	4026	26.7
6 months to 12 months ...	...	16	...	737	22	224	917	...	21	635	2572	17.1
Total ...	Nil	20	Nil	2269	68	6390	3102	Nil	24	3205	15078	100.0

TABLE 4  
Infant mortality from Principal Causes (1974-1979).

Causes of death.	1974	1975	1976	1977	1978	1974 to 1978 (A)	1979 (B)	Difference between (A) & (B)	
Poliomyelitis	...	15	13	24	20	21	19	24	+5
Smallpox	...	1	...	...	...	...	...	...	...
Measles	...	25	50	8	20	11	23	20	-3
Malarial Fever	...	...	...	...	...	...	...	...	...
Diarrhoea & Enteritis	...	1369	1713	1925	1348	1810	1633	2269	+636
Dysentery	...	45	44	44	64	53	50	68	+18
Congenital malformation and diseases of early infancy	...	5323	5768	6562	9493	6156	5861	6390	+529
Diseases of Respiratory systems	...	3512	3701	3361	3596	2671	3368	3102	-266
Convulsions	...	5	1	...	...	...	1	...	-1
All causes	...	13123	13767	14147	13999	13512	13710	15078	+1368

TABLE 5  
Cases of Notifiable Diseases reported in 1979.

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 Poli- myelitis	Virus enceph- alitis	Scarlet Fever	Infect- ious Hep- atitis	Lep- tosp- y	Total
A	...	...	...	25	4	...	...	520	...	...	...	6	...	...	114	...	669
B	...	...	...	67	5	...	...	368	...	...	...	12	...	...	233	...	685
C	...	...	...	25	3	...	...	605	...	...	...	9	...	...	64	...	706
D	...	...	...	61	5	...	...	702	...	...	...	29	...	...	205	...	1,002
E	...	...	...	157	18	...	...	1,822	...	...	...	67	...	...	538	...	2,602
F	...	...	...	163	9	...	...	2,010	...	...	...	97	...	...	490	...	2,769
G	...	...	...	252	19	...	...	1,836	...	...	...	119	...	...	580	...	2,806
H	...	...	...	39	6	...	...	1,397	...	...	...	73	...	...	170	...	1,685
K	...	...	...	21	5	...	...	678	...	...	...	84	...	...	184	...	972
L	...	...	...	17	4	...	...	2,016	...	...	...	56	...	...	153	...	2,246
M	...	...	...	15	5	...	...	488	...	...	...	79	...	...	179	...	756
N	...	...	...	16	8	...	...	118	...	...	...	107	...	...	193	...	442
P	...	...	...	7	2	...	...	816	...	...	...	45	...	...	107	...	977
R	...	...	...	3	4	...	...	319	...	...	...	33	...	...	84	...	443
T	...	...	...	2	1	...	...	398	...	...	...	23	...	...	36	...	460
Reported Cases.	...	...	...	8	18	...	...	...	...	...	...	148	...	...	191	...	365
TOTAL:—	...	...	...	878	116	...	...	14,093	...	...	...	987	...	...	3,521	...	19,595

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	
<b>1 Active—</b>																		
City	564	564	564	564	...	113	90	22	...	1	102	7	...	78	...	31	4	...
Suburbs	14,615	14,605	14,705	14,705	...	65	59	7	...	...	62	2	...	44	...	20	2	...
Extended Suburbs	8,658	8,658	8,658	8,658	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Total</b>	<b>23,827</b>	<b>23,827</b>	<b>23,827</b>	<b>23,827</b>	...	<b>179</b>	<b>149</b>	<b>29</b>	...	<b>1</b>	<b>164</b>	<b>9</b>	...	<b>122</b>	...	<b>51</b>	<b>6</b>	...
<b>2 Passive—</b>																		
City	1,54,965	1,54,965	1,54,965	1,54,965	...	726	700	25	...	1	519	24	...	448	...	95	183	...
Suburbs	94,737	94,737	94,737	94,737	...	407	392	12	...	3	301	16	...	261	...	56	90	...
Extended Suburbs	63,639	63,639	63,639	63,639	...	272	261	11	...	...	212	10	...	155	...	67	50	...
<b>Total</b>	<b>3,19,341</b>	<b>3,19,341</b>	<b>3,19,341</b>	<b>3,19,341</b>	...	<b>1,405</b>	<b>1,353</b>	<b>48</b>	...	<b>4</b>	<b>1,032</b>	<b>50</b>	...	<b>864</b>	...	<b>218</b>	<b>323</b>	...
<b>3 Mass—</b>																		
City	15,438	15,438	15,438	15,438	...	2	2	...	...	...	2	...	...	2	...	...	...	...
Suburbs	13,234	13,234	13,234	13,234	...	15	8	7	...	...	13	1	...	12	...	2	1	...
Extended Suburbs	19,032	19,032	19,032	19,032	...	3	3	...	...	...	3	...	...	1	...	2	...	...
<b>Total</b>	<b>47,704</b>	<b>47,704</b>	<b>47,704</b>	<b>47,704</b>	...	<b>20</b>	<b>13</b>	<b>7</b>	...	...	<b>18</b>	<b>1</b>	...	<b>15</b>	...	<b>4</b>	<b>1</b>	...

TABLE 7

*Ward-wise Malaria Positive cases with the species and classification.  
for the year 1979.*

Ward	No. of positive cases	Malaria Parasites				Classification			
		V.	F.	M.	Mixed	Imported	Indigenous	Untraced	Unreated**
A	116	113	3	...	...	78	8	16	14
B	35	34	1	...	...	14	2	19	...
C	2	2	...	...	...	1	...	1	...
D	94	89	4	...	1	41	26	23	4
E	225	219	6	...	...	135	28	38	6
F	161	154	7	...	...	103	19	34	5
G	95	90	5	...	...	62	12	15	6
H	103	100	3	...	...	71	11	17	4
K	101	101	...	...	...	68	7	18	8
L	46	44	2	...	...	35	5	5	1
M	82	78	4	...	...	49	22	10	1
N	108	102	6	...	...	67	22	15	4
P	120	112	6	...	2	85	13	16	6
R	211	177	32	...	2	125	58	24	4
T	105	98	7	...	...	49	40	13	3
<b>Total</b>	<b>1,604</b>	<b>1,513</b>	<b>86</b>	<b>...</b>	<b>5</b>	<b>1,001</b>	<b>273</b>	<b>264</b>	<b>66</b>

*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**

*Admissions, deaths and average number of Patients at Kasturba Hospital, Smt. Sarall Marg, Bombay 4000-11.*

Month	Small Pox.	Chicken Pox.	Measles	Mumps	Anterior Polio Myelitis	Infective Hepa- titis.	Influenza	Cholera	Diarrhoea & Vomitt- ing due to Gastro enteritis.	Plague	Diph- theria.	Enteric Fever.	C. S. Fever.	Typhus Fever.	Erysipe- las.	B. Dy- senteria.	A. Dy- senteria.	Whooping Cough.	Other Diseases.	Total	Dischar- ge.	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
February	..	262	129	40	26	329	..	..	202	..	19	73	..	..	..	3	4	1	694	1,782	1,691	91	539
March	..	366	97	73	4	288	..	..	129	..	18	54	..	..	..	..	..	2	743	1,814	1,735	79	603
April	..	787	109	109	46	297	..	..	171	..	17	32	..	..	..	2	3	13	767	2,353	2,265	88	652
May	..	565	117	120	74	263	..	..	187	..	7	54	..	..	..	6	4	2	818	2,217	2,138	79	665
June	..	211	84	73	140	312	..	..	160	..	4	92	..	..	..	13	9	14	722	1,834	1,741	93	546
July	..	74	50	53	122	235	..	..	294	..	5	32	..	..	..	7	6	4	715	1,597	1,521	76	475
August	..	30	37	65	130	286	..	..	505	..	4	88	..	..	..	9	13	6	908	2,081	1,983	98	503
September	..	21	16	19	130	260	..	..	459	..	6	104	..	..	..	9	12	1	962	1,993	1,875	118	556
October	..	27	12	19	82	329	..	..	264	..	8	71	..	..	..	6	..	2	620	1,440	1,363	77	495
November	..	28	21	17	59	305	..	..	365	..	5	95	..	..	..	11	7	2	735	1,650	1,561	89	547
December	..	33	25	30	34	248	..	..	282	..	8	82	..	..	..	3	6	4	656	1,411	1,341	70	547
December	..	80	46	19	63	186	..	..	251	..	10	67	..	..	..	3	1	1	685	1,412	1,346	66	464
Total	..	2,484	743	637	950	3,338	..	..	3,263	..	111	844	—	..	..	72	65	52	9,025	21,584	20,560	1,024	555

**TABLE 9.**

*Admissions from 1976 to 1979 at the Kasturba Hospital for Infectious Diseases.*

Year	Small Pox	Chicken Pox	Measles	Mumps	C. S. Fever.	Diphtheria.	Influenza	Whoop- ing Cough.	Erysi- pelas	Enteric Fever	B. Dy- senteria	A. Dy- senteria	Cholera	Plague	Typhus Fever	Diarrhoea and Vomiting due to Gastro- enteritis.	Anterior Polio- myelitis.	Infective Hepa- titis.	Other Diseases	Total	Deaths.	Disch- arge.	Daily Average No. of patients.
1976	..	2,662	1,124	607	..	417	..	17	..	263	66	155	..	..	..	3,677	662	1,536	9,074	20,262	696	19,566	449
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

TABLE 10

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

Particulars	Year			
	1976	1977	1978	1979
	Rs.	Rs.	Rs.	Rs.
Drugs, Dressings & Disinfectants ..	34.93	32.06	29.47	23.31
Diet. ..	30.73	31.36	31.36	18.76
Clothings ..	7.07	4.05	3.50	4.41
Stores ..	9.38	4.62	5.88	8.96
Total cost per patient per week ..	82.11	72.10	70.21	55.44
Total No. of patients treated : ..	20,262	18,092	24,081	21,584

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. ..	2.68	Nil
Stores and Linen ..	1.90	0.14
Drugs, Dressings Disinfectants etc. ..	3.33	1.53
Lighting, Miscellaneous etc. ..	1.34	0.11
Repairs. ..	0.05	Nil
Establishment ..	27.64	1.57
<b>Total</b> ..	<b>36.95</b>	<b>3.35</b>

TABLE 12

*Immunizations, done By Mobile Health Unit in 1979.*

	Immunizations		
	In School	In field.	Total
Dip. Tetanus			
1st dose ..	9,502	..	9,502
2nd dose ..	9,904	..	9,904
Triple :			
1st dose ..	..	2,820	2,820
2nd dose ..	..	2,345	2,345
3rd dose ..	..	1,881	1,881
Booster : dose ..	..	946	946
Polio :			
1st dose ..	..	2,828	2,828
2nd dose ..	..	2,336	2,336
3rd dose ..	..	1,766	1,766
Booster : dose ..	..	842	842
T. A. B. ..	31,972	1,484	33,456
Cholera ..	15,601	1,484	17,085
Small Pox ..	9,870	984	10,854
T T. ..	..	535	535
<b>Total</b> ..	<b>76,849</b>	<b>20,251</b>	<b>97,100</b>
No. of patients treated in health drives :-	..	95,080	..
Total No. of patients days of treatment in health drives :-	..	4,28,692	..

TABLE 13

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

	Khershedji Bhatramji 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 & Sath M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar.	Sant Muktabai General Hospital Vikhroli	Municipal General Hospital, Haji Babu 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	16	80	32	20	76	20	25	35	38	30											
General Male Ward	32	32	180	40	19	152	30	20	65	30	30											
General Female Ward	32	26	40	40	19	139	20	20	35	30	20											
Maternity Ward	65	30	120	60	...	110	30	25	50	...	20											
Septic & Gynaec Ward	25	...	100	6	12	60	...	20	25	18	10											
Others	18	...	...	...	...	11	...	...	90	12	...											
Total No. of Beds	204	104	520	178	70	548	100	110	300	128	100											
	Annual Atten- dence	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.	Annual Atten- dence.	Daily Avera- ge.
In-patients	57,267	157	50,778	139	2,00,579	670	62,130	183	24,480	68	1,67,256	508	3,390	9	2,43,769	677	1,06,222	291	43,174	118	22,110	60
Surgical Operations	11,538	31	6,393	21	48,655	26	3,632	24	3,197	12	15,040	49	1,500	5	3,852	12	7,605	49	4,388	14	1,118	6
	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence	New Cases	Total atten- dence
O. P. D.	190299	1020708	97616	436026	279249	930272	172933	850123	131221	514493	206734	...	56858	173605	56793	243769	192462	476933	105369	458667	69314	358795
In-patients remained on 31-12-1978	162	...	129	...	592	...	166	...	60	...	468	...	...	...	96	...	329	...	107	...	100	...
Admitted in 1979	12098	...	8254	...	37415	...	12387	...	3370	...	30781	...	...	...	6287	...	18922	...	5634	...	3010	...
Total No. of patients treated in 1979	57267	...	50778	...	200579	...	61215	...	24480	...	167256	...	...	...	243769	...	106225	...	43174	...	22110	...
Discharged Cured	11631	...	6823	...	35110	...	10250	...	3113	...	10747	...	...	...	5487	...	17283	...	5161	...	1411	...
Otherwise	180	...	1211	...	375	...	12675	...	115	...	18508	...	...	...	170	...	816	...	203	...	1615	...
Died	282	...	220	...	2145	...	320	...	149	...	1566	...	...	...	170	...	823	...	267	...	129	...
In-patients remaining on 31-12-1979	167	...	133	...	610	...	147	...	49	...	468	...	...	...	103	...	329	...	110	...	50	...
Daily Average	157	...	139	...	700	...	183	...	68	...	508	...	...	...	677	...	291	...	118	...	112	...
	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 percent	Total Cost	Cost percent
Expenditure.	6270.54	57.27	31,90,000	36.50	1,32,98,848	43.63	1,72,933	33.50	18,78,600	52.30	1,30,45,630	41.07	22,29,889	33.60	25,18,266	52.00	1,06,08,700	36.16	43,05,936	34.30	36,40,000	46.00





**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	R	T	Total
(1) No. of Institutions...	17	8	8	53	17	30	14	35	13	12	31	29	27	9	23	21	39	35	29	455
(2) Total No. of Beds...	2,516	258	224	1,853	1,934	1,469	2,540	574	777	320	626	907	1,237	262	391	829	912	768	537	18,074
(3) No. of Mat. Beds ...	532	183	127	693	573	324	500	331	749	130	343	593	450	135	227	337	458	385	352	7,527
(4) Live Births ...	8,297	4,507	1,789	10,578	13,717	12,673	17,266	7,624	7,779	7,188	8,865	5,668	11,914	8,786	11,549	15,551	15,113	12,299	11,968	1,93,131
(5) Still Births ...	203	103	59	230	799	403	524	126	156	175	147	89	328	175	216	485	365	298	353	5,294
(6) Total Confinements...	8,499 (1T)	4,608 (2T)	1,848	10,805 (3T)	14,493 (23T)	13,076 (7T)	17,790	7,750 ...	7,927 (8T)	7,363	9,007 5 T	5,757 ...	12,242 ...	8,961	11,765 ...	16,036	15,444 (34T)	12,597	12,315 (6T)	1,98,276 (89T)
(7) Deaths among Mothers	7	5	1	3	72	25	11	...	...	1	2	...	22	...	3	17	2	1	...	172
(8) Neo-Natal Vaccinations against Small-Pox ...	3,151	116	122	847	7,008	171	898	526	1,912	1,798	2,466	303	177	5,711	91	...	2,965	3,202	610	32,074
(9) B.C.G. Vaccination ...	6,279	1,221	1,047	9,446	14,634	8,041	12,192	2,738	3,936	5,459	4,355	126	9,264	4,426	4,638	11,612	8,219	7,653	4,826	1,87,352

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

## HOSPITAL :

### I.—Expenditure—

	Rs.
(A) On In-patients. .. .. .	3,75,21,871
On Out-patients .. .. .	72,51,143
(B) Average cost per—	
(i) In-patient per day. .. .. .	55.47
(ii) In-patient admission .. .. .	678.69
(iii) Out-patient attendance .. .. .	8.05
(iv) Out-patient admission .. .. .	19.43

### II.—Results—

(A) 1. Schedule Bed Strength .. .. .	1,450
2. Daily Average in-Patient in Wards .. .. .	1,808
3. Admissions including those brought over from the previous year 1978. .. .. .	58,770
4. Patients discharged ... .. .	57,042
(i) As cured .. .. .	43,397
(ii) Otherwise .. .. .	8,931
(iii) Expired .. .. .	4,714
(iv) Remained in the Hospital on the last day of the year. .. .. .	1,728
5. Average stay of in-patients (in days) .. .. .	11.57
(B) 1. New Out-patients attendance .. .. .	3,83,559
2. Daily average of Out-patients (New) .. .. .	1,050
3. Out Patients (New and Old) .. .. .	9,18,830
4. Daily average of out-patients attendance (New & Old) .. .. .	2,517
5. Casualty attendance (Medico-legal) .. .. .	19,632
(C) 1. Operations-In-patients .. .. .	23,631
Out-patients .. .. .	26,572
(D) CONFINEMENTS .. .. .	4,500
1. Booked cases .. .. .	3,992
2. Emergency Cases .. .. .	508
3. Normal .. .. .	3,874
4. Abnormal .. .. .	482
5. Neonatal & Maternal Deaths .. .. .	
(1) Maternal Deaths .. .. .	18
(2) Neonatal Deaths .. .. .	149
(3) Still Births .. .. .	140
(4) Premature live Born Infants .. .. .	357

### III.—Specialised Treatments—

1. Artificial Kidney Department—	
(i) Peritoneal Dialysis .. .. .	150
(ii) Haemodialysis .. .. .	896
2. I. C. C. U. Ward .. .. .	
(i) Number of admissions .. .. .	788
(ii) Resuscitation from Cardiac Arrest. .. .. .	92
3. Open Heart Surgery. .. .. .	458
Other Heart Operations. .. .. .	521
4. Neurosurgery—	
(i) Operations .. .. .	711
(ii) Radiological investigations .. .. .	2,515
5. Sterilisations—	
Male .. .. .	37
Female .. .. .	2,268

### IV.—Radiology—

1. X-Ray taken at—	
(i) Hospital .. .. .	76,216
(ii) C. V. T. C. .. .. .	9,548
(iii) Orthopaedic Centre .. .. .	33,603
2. Diagnostic Radiology .. .. .	2,320
3. Neuro Radiology .. .. .	2,515

### V.—Blood Bank—

1. Number of Blood samples collected from—	
(i) Voluntary Donors .. .. .	5,576
(ii) Relative Donors .. .. .	4,058
(iii) Other Hospitals .. .. .	1,982
2. Number of bottles supplied .. .. .	9,693
3. Total number of grouping & cross matching .. .. .	17,646
4. Total number of out-door bleeding sessions .. .. .	88

**VI—School Clinic—**

1. School Children treated—					
(i) New	..	..	..	..	2,109
(ii) Repeated	..	..	..	..	21,690
(iii) Referred	..	..	..	..	118
2. Total Expenditure on Clinic	..	..	..	..	1,10,000

**VII—Physio Therapy—**

(i) Attendance at the Centre—					
Out-patients	..	..	..	..	9,022
In-Patients	..	..	..	..	17,281
(ii) Treatment given to—					
Out-patients	..	..	..	..	97,660
In-Patients	..	..	..	..	1,97,434
(iii) Students admitted during the year	..	..	..	..	40
(iv) Students in the School	..	..	..	..	107
(v) Students graduated during the year	..	..	..	..	3

**VIII—Occupational Therapy—**

(A) Patients treated at the Centre	..	..	..	..	13,921
Treatment given	..	..	..	..	1,86,231
(B) (i) Students admitted in the School during the year	..	..	..	..	40
(ii) Number of students in the School	..	..	..	..	85
(iii) Students graduated during the year	..	..	..	..	2

**COLLEGE I**

(i) Total expenditure on Hostel	..	..	..Rs.	1,95,750.00
(ii) Revenue from Tuition Fees, Hostel Rent and Miscellaneous Receipts.	..	..	..Rs.	3,90,220.00
(iii) Revenue from Post-Graduate Fees	..	..	..Rs.	95,910.00

**I—Students—**

	Male	Female	Total
(A) (i) Undergraduate Students			
1. 1st M. B., B. S.	100	59	159
2. 1st M. B., B. S. (Casual)	23	4	27
3. IInd M. B., B. S.	273	123	396
4. IIIrd M. B., B. S.	141	40	181
5. 3rd M. B., B. S. (Casual)	39	9	48
6. Intern	128	44	172
7. B. Sc. (O. T.)	8	80	88
8. B. Sc. (P. T.)	9	97	106
.. .. .. Total	721	456	1,177
9. Post-graduate students including research students.	372	123	495
Grand Total	1,093	579	1,672
(B) Occupation of parents or Guardians—			
(i) Service	..	..	80
(ii) Medical Profession	..	..	34
(iii) Legal Profession	..	..	5
(iv) Misc. occupations	..	..	33
(v) Engineering	..	..	7

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—Dr. K. K. Soman, M. B. B., S., D. P. H., D. I. H.  
 from 1-4-79 to 13-4-79 & 1-5-79 to 15-7-79  
 Shri T. V. Joshi, from 14-4-79 to 30-4-79  
 & from 16-7-79 to 31-10-79.  
 Shri V.R. Lela, from 1-11-79 on ward.

**Educational Programme :** 159 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., M.S., 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.

**Research Activities :** A number of Research Projects were undertaken in the College and Hospital under auspices of Indian Council of Medical Research, National Institute of Health, U.S.A. The K.E.M. Hospital and Seth G.S. Medical College Research Society and through the help of some Pharmaceutical firms and World Health Organisation (W.H.O.).

**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.

**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 stairs is under construction will be completed by June 1981.

**Gymkhana Activities :** The year 1979-80 was an eventful year with GSMC making good headway in many directions.

**Badminton :** We reached the finals of Bombay University's Women's Team Championships Ujjvala Naravane and Jayantie Dalvi.

**Swimming :** Sunil Apte stood 3rd in Individual events of Inter collegiate championship and GSMC stood 3rd in Men's relay event.

**Athletics :** Vijay Nair came 1st in 10,000 mts. and 5,000 mts. and 2nd in 1500 mts. race of University's Championships.

**Cricket :** GSMC won in the Inter-medical Tournament.

**Football and Hockey :** GSMC was runners-up in the Inter-medical Tournament.

**Debating :** GS continued its good show in this department as in the past winning most of the major competitions in Bombay.

**Quiz :** The GSMC team of Aniruddha Chandorkar, Prakash Nadkarni and Rajesh Parikh won all the tournaments including those on the Television.

**Hiking :** As usual, this department was busy with about 10 Hikes and 2 Treks.

**Cultural Department :** The Cultural Department was active at a feverish pitch throughout the year screening popular films, organising prizes winning dramas and organising a memorable college week.

## 1. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE

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

Dr. D.N. Pai, In-charge of Inter ship Programme for Seth G.S. Medical College assisted by Dr. (Smt.) V.R. Bhalerao, Dr. K.P. Kolhatkar and Dr. Deshpande.

**Urban Internship :** Comprehensive Health Care cum-Family Welfare 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 Kolaba District, Pahur at Jalgaon District, Ranala 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.

**(1) Family Health Centre and Family Planning Centre Parel :**

Patients treated	...	...	...	...	...	46,879
Lab. Investigations	...	...	...	...	...	26,723

**(2) Medical Check up Centre :**

Patients treated	...	...	...	...	...	473
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**(3) Health Centre Malvani :**

Patients treated	...	...	...	...	...	87,744
Immunisation to Childrens	...	...	...	...	...	6,040
Lab. Investigations	...	...	...	...	...	4,272
Occupational Therapy	...	...	...	...	...	360

**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 1979	...	...	...	116	96	82.75
November 1979	...	...	...	163	146	89.57

Postgraduate (M.Sc. Part II)				Appeared	1st Class	IInd Class	Pass Class	Percentage
April 1979	...	...	...	12	4	7	1	100

**4. DEPARTMENT OF ANAESTHESIOLOGY**

The department rendered anaesthesia and resuscitation, pain clinic, anaesthesia O.P.D. and respiratory care services to patients. Anaesthetic service is reflected in the number of Indoor and Outdoor operations done.

During the year 6,438 O.P.D. patients were examined.

There was considerable saving of X-Ray plates and waiting period after admission. It also reduced post-ponement of cases.

168 cases of Intractable pain were treated with encouraging results in pain clinic.

192 cases needing active respiratory support were treated for periods ranging from 2 to 45 days in respiratory care.

**6. ARTIST SECTION**

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

(1) Patient's photographs	...	...	...	...	...	5,572
(2) X-Ray photographs	...	...	...	...	...	1,758
(3) Specimen's and cinematograms plates photographs	...	...	...	...	...	1,203
(4) Microphotographs	...	...	...	...	...	1,250
(5) Book copyings, etc.	...	...	...	...	...	5,012
(6) Preparing graphs, charts, Diagrams and Drawings to take their photographs	...	...	...	...	...	725
(7) Functions photographs and outdoor visits	...	...	...	...	...	235
(8) Operations photographs	...	...	...	...	...	35
(9) Nurses photographs	...	...	...	...	...	236
(10) Preparing of slides	...	...	...	...	...	8,671
(11) Preparing of prints	...	...	...	...	...	6,690
(12) Preparing of Nurses and Medical Awards Cfts.	...	...	...	...	...	196
(13) Projection	...	...	...	...	...	21

**7. DEPARTMENT OF PHYSIOLOGY**

Periodical progress card tests of 160 1st M.B., B.S. Students were taken. Batches of 20 students each were guided by one teacher. The teaching of Physiology, Anatomy and Biochemistry was integrated for simultaneous tackling of topics. A course of integrated lectures with applied Physiology were taken for 3rd, 4th and 5th year students.

Classes were held for D.O.M.S., Occupational and Physiotherapy courses and for Nurses. Instructions and guidance was given for postgraduate students in Human Physiology and Animal Physiology. A post diploma course in Medical Electronics is started from September 1979.

## 8. MEDICAL RECORD DEPARTMENT

The scheduled bed strength during the year was 1,450. 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 4,714 deaths, 840 die within 24 hours of admission, 774 after 24 hours but within 72 hours of admission and 3,100 after 3 days or more from the date of Admission. The figures are exclusive of 180 still births, Prematurity and Neonatal deaths. Death rate was 8.26 as against 8.06 during the last year.

**Confinement and Abortions .:** The total number of confinement was 4,500 and that of Abortion was 551 (including M.T.P. also).

**Medico Legal Cases :** Resident Medical Officers attended the various courts for giving evidence in 651 Medico-Legal Cases.

**Depositions :** During the year 603 depositions were filed in the Coroner's Court.

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

Under Treatment	...	...	...	...	...	7,260
Opinion and Fitness	...	...	...	...	...	5,750
Compensation	...	...	...	...	...	225
Insurance	...	...	...	...	...	130
Injury	...	...	...	...	...	200
Injury to Police (Free)	...	...	...	...	...	1,835
Municipal Staff	...	...	...	...	...	375

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.

## 9. SOCIAL SERVICES DEPARTMENT

The Medico-Social service Department was started in September 1954, has completed 25 years.

The inauguration function of the Silver Jubilee was held on 17th November 1979. Shri Vijay Merchant as the Chief Guest. Dr. J.A. Lobo joint Director of Health Services, Maharashtra State delivered the Keynote address.

During this year the department started under the functioning administrative head of its own i.e. Social work speciality.

### Notable Activities :

- (1) School for bedridden children at Orthopaedic centre.
- (2) Library for the patients through donation.
- (3) Programme on Balanced diet for female patients through Food Corporation of India.
- (4) Picnic of physically handicapped patients.
- (5) Periodical variety entertainment programmes and film shows in the wards.

Medical and Material Aid	...	...	...	...	...	3175
Visits made to patients homes, etc.	...	...	...	...	...	600
Educational and therapeutic group	...	...	...	...	...	once a week
Social Investigations	...	...	...	...	...	4981

## 10. ORTHOPAEDICS AND TRAUMATOLOGY

The Orthopaedic Department of the K.E.M. Hospital is named as Seth Dhurmal Bajaj Orthopaedic Centre and Research Institute on 6th March 1979 by Shri Sharad Pawar, Chief Minister of Maharashtra at a function attended by the Mayor Shri Chimbalkar, Municipal Commissioner Shri Chougule and Public Health Committee Chairman Dr. Shringi.

Mr. Devidutt and Ramniwas Bajaj have donated a handsome sum for the betterment of clinical patient care and establishment of the research wing to this department.

New 200 MA 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 Harrington Instrumentation, total hip replacement, radical excision of malignant tumours with reconstruction, anterior clearance of tuberculosis of spines 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 surgeons.

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

## 11. GYNAECOLOGY AND OBSTETRIC DEPARTMENT

**Obstetrics cases and operations :**

Total No. of Confinements	...	...	...	...	...	4,500
Booked Cases	...	...	...	...	...	3,992
Emergency Cases	...	...	...	...	...	508
Full Term normal deliveries	...	...	...	...	...	3,874
Premature—Still born	...	...	...	...	...	36
Live born	...	...	...	...	...	357

**Abnormal Deliveries :**

Abortions	1st Trimester—II Trimester		
Spontaneous	...	...	172
M.T.P.	...	...	379

**Deaths :**

Neonatal Deaths in full term babies	...	...	...	...	14
Neonatal Deaths in premature babies	...	...	...	...	135
Maternal Deaths	...	...	...	...	18
Still births in full term	...	...	...	...	140
Still births in full term Premature	...	...	...	...	176
Foetal Malformations	...	...	...	...	35
Maternal Abnormalities	...	...	...	...	195

**Gynaec Cases and Operations**

Admissions	...	...	...	...	...	990
Out patients	...	...	...	...	...	14,682
Operations : D and C	...	...	...	...	...	89
Lap:oscopy	...	...	...	...	...	21
Hysterectomy	...	...	...	...	...	476
Others	...	...	...	...	...	404
Cytology Cynaec O.P.D., Antenatal, Family Planning Department etc.	...	...	...	...	...	15,759
Fluid Cytology	...	...	...	...	...	180
Aspiration of tumour and Endometrial	...	...	...	...	...	351
C.S.F.	...	...	...	...	...	300
Abnormal Cytology	...	...	...	...	...	136
Histology	...	...	...	...	...	628
Follow-up	...	...	...	...	...	80%
Correlation between Cytology and Histology	...	...	...	...	...	87%

**High risk pregnancy clinic :**

Clinic is run four times a week between 9-00 a.m. to 12-00 noon.

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

Rh-ve	...	...	...	...	...	158
BOH	...	...	...	...	...	180
Diabetic	...	...	...	...	...	16
Hypertensive	...	...	...	...	...	23
V.D.R.L.	...	...	...	...	...	19
Heart disease	...	...	...	...	...	13



The present projects and services are:—

- (1) Injection Rh gamma globulin in Rh-ve cases for prevention of immunisation.
- (2) Hysterosalpingography in non-pregnancy BOH woman.
- (3) Foetal maturity studies.
- (4) Prophylactic arlidin for BOH cases.
- (5) Serial urinary total oestrogens estimation for all H.R.P. cases.

**Dr. N.A. Purandare Research Centre**

**I—Serology**

Investigations including V.D.R.L., Antibodies, Blood grouping, S. Bilirubin, etc. 18,702

**II—Microbiology :**

Trichomoniasis, Moniliasis Screening ... .. 696

Culture of Hemolytic Organisms ... .. 91

**III—Biochemical**

Investigation including G.T.C., L.F.T., B.U.N., etc. ... .. 13,124

**IV—Hormones routine :**

C.G.H. Hormone Test ... .. 187

Estrogen and Creatinine in H.R.P. ... .. 588

17 Ketosteroids in Gynaec disorders ... .. 106

(1) Hormones Assays ... .. 430

(2) Uric Acid ... .. 56

**Special Studies :**

Semen Analysis ... .. 1,044

Spermagglutinin study in sterility cases ... .. 52

Bar bodies in Endocrine Patients ... .. 96

**Endocrine O.P.D.:**

Total No. of New Cases ... .. 433

Old Patients visited ... .. 162

Total No. of cases with I.M.C. ... .. 239

Hirsutism ... .. 5

Vaginal Smear ... .. 1,667

Cervical mucus ... .. 1,448

Endometrial Biopsy ... .. 120

Buccal Smear ... .. 96

Semen examination ... .. 294

17 Ketosteroids ... .. 106

Urinary Oestrogen ... .. 330

Urinary progest ... .. 258

Induction of ovulation ... .. 17

**M.T.P. Section :**

Total M.T.P.S. ... .. 1,166

(a) First trimester ... .. 766

(b) Second trimester ... .. 218

## (c) Menstrual regulation studies—

Outpatient suction evacuation of 1st trimester M.T.P. ... 657

## (d) Mid trimester termination of Pregnancy

I.—Extra-amniotic injection of unacredical for mid trimester abortion ... 22

II.—Extra-amniotic injection of Hypertonic saline ... 63

## III.—Prostaglandins :

Intra-amniotic PGE2a 50 mg V/s. 15 methyl PGF2a 2.5 mg. ... 30

(e) Cancer cytology in M.T.P. cases—All M.T.P. cases ...

(f) Vaginal P.G. suppository ... 103

(g) Sulprostone injection ... 20

(h) Preoperative dilatation done for late first trimester patients and S.E. carried out Lam tents/SE after 6 hours ... 32

(i) I.M. Prostaglandins/SE ... 77

**Oral Contraceptive Centre ,**

	Oral Pills	Cut	Multi load	Netoen inj.	PRT
Total No. of new patiens	201	590	231	83	15
No. of cases continuing at the end of the year	653	1,498	777	89	14
No. of cases closed during the year.	226	202	86	36	1
Cytology taken.	118	186	92	20	12

**Post partum Programme.**

Vasectomy	...	...	...	...	37
Tubectomy	...	...	...	...	2,268
I. U. C. D.	...	...	...	...	830
M. T. P.	...	...	...	...	2,322

**URBAN FAMILY PLANNING CENTRE AND POST PARTUM PROGRAMME.**

During 1979-80, 10 Rural Laparoscopic Camps were held in various parts of Maharashtra. More than 3500 sterilizations were performed.

During September 1979 three Orientation Training Camps were held to educate the local leaders in Family welfare activities.

Nearly 500 eligible couples were contacted during the year. 185 film 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.

**Work done in M. C. H.**

No. of deliveries	4,621	No. of abortions.	386
No. of M. T. P.	2,322	I. U. C. D.	850
No. of oral pills.	201	No. of Tubectomy	2,268
No. of Vasectomy.	37	No. of Condoms.	2,978
No. of Net. Inj.	83		

**C. V. T. C. Laboratory :**

The Cardio-vascular and Thoracic Centre Laboratory has following sections —

## (1) Clinical Pathology Section :

	No. of samples.	No. of tests.
(a) Complete Haemogram—	9,269	46,245
(b) Routine analysis including microscopic examination. ...		
Urine	5,584	27,920
Stool	3,009	3,009
Sputum.	2,446	2,446
	<u>20,308</u>	<u>79,720</u>

**(II) Biochemical Section :**

	No. of samples	No. of tests.
(a) Liver Function Tests. ... ..	2,657	13,285
Alkine Phosphatase ... ..	389	389
Acid Phosphatase. ... ..	16	16
Prothrombin Time. ... ..	2,048	2,048
Clotting Time. ... ..	1,216	1,216
Bleeding Time. ... ..	1,209	1,209
E. P. P. ... ..	142	142
Serum Glutamic Oxaloacetic Transaminase. ... ..	4,572	4,572
Serum Glutamic Pyruvate Transaminase. ... ..	4,577	4,577
(b) Carbohydrate metabolism—		
Blood Sugar. ... ..	4,787	4,787
Urine Sugar (Quantitive & Qualitative) ... ..	977	977
(c) Kidney Function Tests—		
Blood Urea Nitrogen ... ..	5,574	5,574
Creatinine ... ..	1,269	1,269
Uric Acid ... ..	195	195
(d) Lipid Profile—		
Total Cholesterol ... ..	2,198	2,198
Triglycerides. ... ..	1,955	1,955
(e) Serum Electrolytes—		
(Sodium, Potassium & Chlorides including emergency calls) ... ..	12,060	36,180
Calcium (Ca) ... ..	221	221
Phosphorus (P) ... ..	214	214
Pleural fluids. ... ..	44	44
L. D. H. ... ..	5	5
C. S. F. ... ..	15	15
Amylase ... ..	6	6
	<u>46,346</u>	<u>81,094</u>

**(III) Histopathology Section :**

	Sections prepared.
(1) Surgical biopsies and specimens. ... ..	666 1,375
(2) Autopsy specimens. ... ..	254 7,696
(3) Whole lung specimens. ... ..	38 76
(4) Cytology specimens. ... ..	352 1,056
(5) Special stains prepared. ... ..	150 Slides

**(IV) Research Section :**

(1) L. E. cell phenomenon. ... ..	108
(2) Rheumatoid Arthritis tests. ... ..	305
(3) Immunoglobulins (IgG, IgM, IgA) ... ..	40
(4) % T cells ... ..	4
(5) % B cells ... ..	4

	No. of samples.	No. of tests.
(6) Congo red test. ...	...	2
(7) V. M. A. ...	...	25
(8) Lipoprotein fractions. ...	...	150
(9) LDH Total ...	...	20
(10) L. D. H. Isoenzymes. ...	...	5
(11) Cholesterol ...	...	85
(12) Cholesterol—(HDL, VLDL & LDL) ...	...	85
(13) Triglycerides. ...	...	85
(14) Triglycerides—HDL, VLDL & LDL. ...	...	85

#### Department of Medicine :

The Department of Medicine continues to have 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 (7) Nuclear Medicine.

Dr. (Smt.) V. N. Acharaya continues to be the Head of the Department of Medicine. The Department has a back-up 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, where the laboratory needs of Nephrology and Gastroenterology Units are also cared for. The Nuclear Medicine Laboratory (Radio Isotope) has been given charged to Dr. G. H. Tilve. The Haematology Laboratory forms a section of the Haematology and continues to work in the ground floor of the K. E. M. Hospital near the Blood Bank.

A notable progress has also been made in the Tetanus Sections. During the year, it saw 623 patients and the over-haul mortality was 28 percent which was stable as compared to the last year. This unit also undertook research projects aided by I. C. M. R. and Glaxo laboratory, with this help the unit was able to conduct the clinical and electrophysiological studies in tetanus on a project basis. It has also been studying the efficacy of simplifying tetanus vaccine with one dose vaccine. On this work they have published four papers.

By the orders of the Municipal Commissioner, the diabetic and the Endocrinology Section of the Department was consolidated and called as "The Division of Endocrinology and Metabolic Disorders." This division has also added puberty and growth clinic in that section. The Division gave services which saw 2525 new patients, 16890 old patients, 136 males and 93 female Indoor patients during the year. The laboratory attached to this division carried out about 34062 investigations. Dr. Vimla Ratnam, Tutor in this division, attended the eight weeks course of Endocrinology at the National Institute of Nutrition at Hyderabad. Several research project work continued under the auspices of I. C. M. R., Seth G. S. M. College and K. E. M. Hospital Research Society—several of their other members also read papers in the annual meeting.

The Arthritis and Immunology Clinic saw a total of 372 new patients and 1921 old patients. Investigations including routine examination of blood, urine and stool besides special tests like RA, LE Phenomenon, joint fluid aspiration and microscopy of the same for the benefit of these patients were also made in the Radio Isotope Laboratory attached to the Section of Nuclear Medicine of the Deptt. of Medicine. Special tests like Radio Iodine uptake, thyroid and liver scan, renogram, Charcoal T-3 uptake, urinary steroid and blood volume estimations were carried out. A total of 2944 investigations were carried out on 4042 patients needing such help.

The Gastroenterology and Haematology Units continued to progress as usual. Laboratories No. 44, 45 and 26 continued to make tremendous progress and investigated 242203 estimations. Dr. B. S. Kulkarni has now been appointed as the Professor of Clinical Biochemistry to establish quality control over all the laboratories existing in the hospital.

#### Biochemical Section of Deptt. of Medicine and Surgery :

##### Laboratories 44, 45 and 26.

(A) Biochemical (routine) ...	...	2,23,030
BUN ...	...	16,000
Creatinine. ...	...	16,150
Protine: (Alb. & Glob.) ...	...	32,000
Serum Uric Acid ...	...	842
Urine Cholesterol ...	...	1,067
Bilirubin (Total & Direct) ...	...	32,000
Enzyme (SGPT) ...	...	8,655
SGOT ...	...	8,055
Sugar ...	...	9,097
Calcium ...	...	1,390
Phosphorus ...	...	1,390
Alk. Phosphate. ...	...	1,425
Electrolytes—Na ...	...	24,112
K ...	...	24,112
Cl. ...	...	24,112
HCO <sub>3</sub> ...	...	22,130
Urine Chemistry ...	...	312

**(B) Haematological Investigations (Routine)**

WBC—T/D, RBC, Hb, PCV, ESR, Retic count  
Platelet count, BT, CT & Vit. B12. ... .. 4,398

**(C) Routine Urine Estimations**

(Sp. Gr. Alb., Sugar, Microscopic Investigations.)... .. 4,425

**(D) Stool examinations and sigmoidoscopy swab** ... .. 1,457

**(F) Special Studies** ... .. 4,654

(a) Creatinine clearance ... .. 540  
(b) Citrate clearance. ... .. 185  
(c) D-Z'lyoze study ... .. 180  
(d) Fecal fat. ... .. 156  
(e) Gastric Analysis ... .. 140  
(f) Osmolality (P & U). ... .. 572  
(g) Blood and urine barbiturate. ... .. 104  
(h) Blood Ammonia. ... .. 132  
(i) Lactate ... .. 185  
(j) LDH ... .. 25  
(k) Altololace. ... .. 25  
(l) Acidload test. ... .. 15  
(m) Methamoglobin ... .. 15  
(n) Prothrombin Time... .. 1,600  
(o) Fibrinogen. ... .. 300  
(p) Serum Amulase ... .. 250  
(q) Serum EPP. ... .. 230  
(r) Serum Iron & Iron Building capacity. ... .. 70  
(s) 24 hrs. Urine Alb. 9 ... .. 315  
(t) Urine and Plasma acetose ... .. 30

**Work done in lab. 26.**

(1) Urine Cultures ... .. 2,301  
Samples.  
(2) Peritoneal Fluid Cultures. ... .. 169  
(3) Ascitic fluid cultures. ... .. 39  
(4) Kidney Biopsy Needle wash fluid cultures. ... .. 138  
(5) Catheter tip cultures ... .. 125  
(6) Wound cultures. ... .. 137  
(7) Antibody titres ... .. 271  
(8) Immunoglobulin study ... .. 95  
(9) Australia antigen and antibody determination. ... .. 746  
(10) Blood culture. ... .. 119  
  
(11) **Drug Trial :**  
(a) Sisomycin ... .. 40 patients.  
(b) Gentamycin ... .. 40 patients  
(c) Trimethoprim plus Sulphadiazine. ... .. 10 patients.

Total Estimations : 2,42,203

**DEPARTMENT OF CARDIOLOGY K. E. M. HOSPITAL.**

Indoor patients.	Card. O. P. D. Patients		Total	E.C. GS
	New	Follow up		
2094	2,349	1,351	3,700	35,290
<b>Intensive Cardiac Care Unit.</b>			<b>Vakil Institute of Cardiology.</b>	
Cases admitted in Ward 32	588	1,366	Cases admitted	728
Cases admitted in I.C.C.U.	788		Echocardiograms	2,500
Pacing Temporary	77		92	Vectorcardiogram
Permanent	15		Treadmill stress test.	92
Cardiac Resuscitation	92		Electrocardiograms	2,012
Pacemaker follow up	102		Rehabilitation	
Oesophageal Leads.	21		<b>No. of Pts. No. of Treatment</b>	
Cardiogenic shock	36		Occupational Therapy	84 407
Cardioversion	136		Physiotherapy.	179 1,338
Vectors	280			
H/S Bundle Recording	30		<b>Cardiac Catheterization data :</b>	
E. C. Gs. I.C.C.U.	3,890		Cardiac catheterization...	266
Ward 32	2,940	6,830	Cine Angio	172
Arrhythmias Major	136	1,419	Cut films.	53
Minor	1,283			
Echocardiogram	484			
Scanning echocardiogram	567			
Treadmill stress test	104			

Rehabilitation :	No. of Pts.	No. of treatments.
Occupational therapy	306	1,718
Physiotherapy.	393	2,956

#### DEPARTMENT OF GASTROENTEROLOGY :

Total number of New patients attended O.P.D.	...	...	430
Total No. (Old & New) of patients attended O. P. D.	...	...	2,445
(1) Complete blood counts, Hb, PCV, ESR, T-count, Diff. count	...	...	480
(2) Routine Urine : Sp. gr. Albumin, Sugar, Microscopic	...	...	600
(3) Routine Stools : Occ. bl.; Microscopic blood test...	...	...	590
(4) Sigmoidoscopic Swab :	...	...	40
(5) Faecal fat studies.	...	...	100
(6) D-Xylose studies.	...	...	120
(7) Cobalt B12 Studies.	...	...	110
(8) Augmented Histamine Tests	...	...	150
(9) Lactose tolerance teste (LTC)	...	...	25
(10) Glucose tolerance test (GTC)	...	...	30

Some research projects have been undertaken in collaboration with B. A. R. C. and they are in progress.

Dr. B. D. Pimparkar has become the President of Indian Society of Gastroenterology which is an honour to our Institute.

#### TUMOUR CLINIC :

Now this clinic is managed by Dr. C. V. Patel alone. The day of out patient department is changed from Friday to Monday so as to suit the hospital routine.

Nearly 300 patients attended the O. P. D. for follow-up planning of treatment and treatment of advanced tumour cases. Also nearly 300 Indoor patients were referred to clinic for advice regarding the management of malignancy.

Trial of indigenous drugs is being undertaken by the clinic. A paper based on the work done in the clinic was presented in the Fourth Asian Cancer Conference, held in Bombay in December 1979 and was highly appreciated.

#### UROLOGY DEPARTMENT :

During the year 4,141 patients attended the Urology—Andrology O. P. D.s. A total number of 475 patients were admitted in the Urology Department. The operative work included 472 operations with 67 Transurethral resections of the prostate and other endoscopic operative procedures. Diagnostic Cystoscopic investigations were carried out on 396 patients and Urological procedures on 361 patients. Kidney transplantations were carried out on 2 patients. The new Urology operation theatre have been provided all types or specialized facilities.

Urology Department activities included weekly meeting with the Radiology Department to discuss interesting urological cases.

#### CHEST MEDICINE DEPARTMENT

The work in Out-patient and In-patient service has shown a further increase in 1979. There were 2,385 new cases registered in Chest Clinic and 12,646 old cases attended in addition to regular follow up as compared to 2,227 new and 13,165 old cases in 1978. A total of 994 Indoor patients were treated in the year 1979 of which 140 received Intensive Care with about half put on assistance with respiratory machines. The respective figures for 1978 were 847 Indoor patients of which 88 patients received Intensive Care with about 61 put on assistance with respiratory machines. Allergy testing with Skin tests were performed on 96 patients as against 90 cases in 1978. The total cases operated surgically in this unit in 1979 were 64 as against 56 in 1978.

The workload of Pulmonary Function Laboratory is given below :

Year	Blood Gas				Pulmonary function test.
	Ward Samples	Card. Catheter	Other tests	Patients' tests	Research tests.
1978	4,180	1,804	764	923	400
1979	4,220	2,508	1,060	1,100	840

#### AIR POLLUTION HEALTH SURVEY UNIT.

Of 4,129 original subjects studied in 1977, 2,761 were followed in 1978 between February and June. The study report regarding analyses done on date upto one year was submitted to the Corporation in May 1979. This suggested that there were differences in the initial clinical morbidities in highly polluted area and to a degree in the rural area. The latter was due to poor water and Sanitary conditions, Housing, usage of kitchen fuel and wastage parasitic infections. A housing-cum-sanitary survey was started in November 1979, for all areas. Monthly health cards were maintained on 1,200 subjects of 4 areas on a regular basis.

The diet study was carried on 2,837 survey subjects in four areas in 1979. The necessary advice for this survey and statistical analyses of all data was obtained from I. C. M.R. consultants. We also collected data regarding weather viz., temperature, wind humidity for 2 years and death data from Cancer and Municipal Registry during 1979. The papers based on survey results were presented in Calcutta, Bombay and Trivendrum at the various national and international scientific conferences.

The second year data is being processed for analyses on computer.

#### PAEDIATRIC MEDICAL

Indoor patients.	...	...	...	...	4,244
Out-door patients	...	...	...	...	15,665
New borns (post-natal ward)	...	...	...	...	4,476

#### SPECIALITY O. P. D. ATTENDANCE

Juvenile diabetes.	...	...	...	...	170
Genetic O. P. D.	...	...	...	...	109
Paediatric chest clinic	...	...	...	...	15
Well Bay Clinic (Old).	...	...	...	...	4,404
Well Baby Clinic (New)	...	...	...	...	2,350
B. O. H. Baby Clinic	...	...	...	...	361
School Clinic	...	...	...	...	8,818

#### Urban Health Programme :

Under this programme comprehensive health care is provided to infants and under six children in the term of : Treatment of Minor ailments, assessment of growth and development, immunization, nutrition, education and supplements, health education etc., at following centres :

- (1) Prabhadevi Child Welfare Centre.
- (2) Naigaum Child Welfare Centre.
- (3) Malvani Slum-Welfare Centre (by P. S. M. & Department of Paediatrics).

#### 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.

#### Teaching Programme :

##### Undergraduate Training Programme :

Consists of a series of 40 lectures, 60 clinics, ward rounds and emergency management. Topics covered include care of sick children, care of sick and normal newborns, paediatrics emergencies, preventive and social paediatrics. The students performance is evaluated in the last week.

##### Postgraduate Training Programme :

Consists of lectures, clinics, seminar journal club and death conference. Additional 2 courses of lectures were arranged on Sundays so far the benefit of postgraduates who are unable to attend clinics and lectures on week days.

#### New Specialities Started :

A Genetic Clinic has been started since 17-9-1979 and the response and referrals from peripheral municipal hospitals has been encouraging. The laboratory has set up Cytogenetic services, sex chromatin studies, plasma and Urinary aminoacid screening for amino acidopathies.

A Paediatric Chest Clinic has been started from 92th November 1979, under Dr. M.D. Shah, 1-30 to 3-30 in female O P D No, 3.

#### Paediatric In-Service Training Course :

The Municipal Commissioner has been kind enough to approve the proposal of short term in Service Training Course in Paediatric Nursing. The requirements and curriculum was organised under guidance of W. H. O. Sister Martha Kuhn and Matron Durga Mehta.

#### Paediatric Medicine :

Paediatric Research Laboratory was set up last years and it continued to increase its activity. All cases of Mental Retardation and Congenital cataract, referred to the Genetic Clinic are subjected to a detailed analysis and Special studies including examination of blood and urine for Amin-acide. Detailed studies including electrophoresis of the urine are also carried out in cases of M. copoly:acchar:odoses.

Among the new instruments purchased is the Spectrophotometer which is in use for analysis of these specimen.

**Paediatric Research Laboratory :—**

Urine Serum: Calcium	...	...	...	254	
Urine Serum: Phosphorus	...	...	...	208	
Serum Alk. Phosphatase	...	...	...	178	
Serum Cholesterol	...	...	...	258	
Serum & Urine Copper	...	...	...	35	
Serum Ceruloplasmin	...	...	...	38	
Serum Urine : Creatinine	...	...	...	364	
Blood D4...	...	...	...	15	} 30
Blood PO 2	...	...	...	15	
Serum Urine : EPP	...	...	...	512	
Urine Proteins	...	...	...	152	
Serum & Urine Proteins	...	...	...	664	
Serum Bilirubin	...	...	...	500	
M. R. Tests	...	...	...	340	
M. P. S.	...	...	...	346	
Blood Ammonia	...	...	...	25	
Plasma Aminoacids	...	...	...	292	
Urine Aminoacids	...	...	...	340	
Sweet Chlorides	...	...	...	20	
Hair Bulb Tests.	...	...	...	4	
Porphuria	...	...	...	4	
Sugar Chromatography.	...	...	...	50	
Blood Sugar Capillary	...	...	...	50	
Lipoproteins	...	...	...	8	
Gal. 1 Phosphate Uridyl Transferase.	...	...	...	28	
L. D. H.	...	...	...	40	
Hexosaminidase	...	...	...	6	
Hb EPP 47—21.	...	...	...	68	
S. Iron	...	...	...	63	} 126
T. I. B. C.	...	...	...	63	
Reticorint	...	...	...	47	
Osmotic Fragility	...	...	...	47	
C. B. C.	...	...	...	47	
IgE	...	...	...	60	
T. Cells	...	...	...	35	
A. F. B.	...	...	...	308	
Sex Chromatin	...	...	...	158	
Tissue Cultures 140—18	...	...	...	158	

**Report from Naigaum Health Clinic :**

Clinic Visits , 977	Home Visit , 303	Milk Supplement : 37,440
		No. of Nutrition classes held , 27
D. P. T.	I 759 II 549 III 424 Booster 164	No. of Health talks held : 36
Polio	759 549 424 164	No. of mothers attending ; 989.

**NUERO-SURGERY DEPARTMENT****Out patients Service at Dr. R.N. Cooper Hospital, Vile Parle**

The out-patient clinic is conducted on all Wednesday afternoons and the attendance is gratifying 278 new patients were seen in the Cooper O.P.D. of whom 83 were transferred to our K.E.M. Hospital department for treatment.

**Statistics Regarding Out patient and In patients****Out-patient :**

Sex	New Attendance	Old Attendance	Total Attendance
Male	1,129	1,584	2,713
Female	587	579	1,166
Male/Child	338	355	693
Female/Child	190	264	454
All Total	2,244	2,782	5,026

**In-patients :**

Sex	Admissions	Discharge	Deaths
Male	461	407	44
Female	205	180	25
Male/Child	141	126	15
Female/Child	80	74	6
All Total	877	787	90

X-Ray Investigations during the year : 2,515.

Operations performed during the year : 711.



## DEPARTMENT OF DERMATOLOGY AND VENEROLOGY

A total of 67,767 cases of Skin Diseases were examined during the year 1,979 out of which 35,632 were new cases, 32,115 were old cases.

Sex	New Cases	Old Cases
Male	20,258	19,784
Female	7,062	7,995
Male/Child	4,713	2,541
Female/Child	3,619	1,795

**Laboratory Investigation :**

Urethral Smear T.S/PS/VS/CS	690
Urine Examination	20
Blood Examination	17
Biopsy	411
Allergy Patch Test	33

**Department of Mycology :**

A Total of 5,448 cases of disease were examined during the year.

A total of 466 In-patients were treated during the year.

**Leprosy Department :**

New patient Registered at K.E.M. Hospital	747
Repeated patients	2,440
Referred from A.I.H.	14
Patient from B.R.	532
Patient from N.B.R.	215

**Analysis of patients :**

Sex	Tuberculoid	Intermediate	Lepromater	Total
<b>New Patients—</b>				
Male	346	66	36	448
Female	163	22	4	189
Children	107	3	...	110
<b>Total</b>	<b>616</b>	<b>91</b>	<b>40</b>	<b>747</b>
<b>Old Patients—</b>				
Male	1,483	220	177	1,880
Female	222	73	75	370
Children	180	7	3	190
<b>Total</b>	<b>1,885</b>	<b>300</b>	<b>255</b>	<b>2,440</b>

Total Attendance, 13,491.

Bact. Smear Done, 1,185.

Positive, 295.

Negative, 890.

Sweet Function, 160.

**Molecular Biology Cell :**

Besides training Students for M.Sc. and Ph.D. lectures and practicals are conducted for M.D. Microbiology and M.D. Pathology as well as M.B.B.S. Students.

Prof. (Mrs.) Leela Joshi was elected chairman of the Association of Microbiologists of India (Bombay Unit) for the 11th time. In collaboration with A.M.I. many seminars were arranged.

**Investigations :**

(a) A.S.L.O. ...	...	...	...	...	...	1,462
(b) Throat Swab ...	...	...	...	...	...	1,462
(c) Groupings ...	...	...	...	...	...	485
(d) Streptococcal Typing ...	...	...	...	...	...	110
(e) Antibiotic Sensitivity ...	...	...	...	...	...	737
(f) Coagulase Test ...	...	...	...	...	...	160
(g) Neonatal cases studied ...	...	...	...	...	...	450

Urine culture and Antibiotic Sensitivity of Diabetic Patients 1,233.

New orientation was planned to give valuable insight in topics like Genetics of Salmonella, anaerobic infections, tuberculosis, drug resistance of pseudomonas aeruginosa etc. Intensive work was also carried out to arrange courses in Molecular Biology for College teachers in collaboration with the University Grant Commission.

**Renal Unit and Artificial Kidney Division :**

The Clinic saw 1,724 patients during the year which include old and new diabetic and renal cases. The new cases for renal diabetes was 27 and that for renal patients was 320...

Bacteriology of urine, diet advised and certain immunological test were done on the spot for all the patients attending this clinic. A total of 154 patients had their kidney biopsies done in the clinic. A total of 1,046 dialyses were done for 238 patients during the year out of which 896 were hemodialysis and 150 dialysis were done by the method of peritoneal dialysis.

Experiments were also conducted in order to study the efficacy of dog's blood in removing barbiturate from the human blood. This also has given exciting results. The training programme for nurses and technicians are conducted twice a year as usual to include theory and practical demonstration.

**Radio Isotope Laboratory :**

During the year the following tests done ,

(1) Radioiodine uptake tests ...	...	...	...	...	712
(2) Thyroid scans ...	...	...	...	...	448
(3) Charcoal T-3 Uptake ...	...	...	...	...	1,271
(4) Liver Scans ...	...	...	...	...	254
(5) Rengograms ...	...	...	...	...	90
(6) Urinary Steroids ...	...	...	...	...	50
(7) I-131 Therapy Dose ...	...	...	...	...	58
(8) Blood Volume Studies ...	...	...	...	...	12
(9) Endocrine O.P.D.—					
Old patients ...	...	...	...	...	2,574
New patients ...	...	...	...	...	1,468

**Hematology Department :**

New Out-patients ...	...	...	...	...	1,002
Old O.P.D.s Patients ...	...	...	...	...	2,486
In-Patients ...	...	...	...	...	202

**Department of Psychiatry :**

Following Clinics are run in Psychiatric Department and patients are treated in the clinic.

- (1) Electroconvulsive Therapy Clinic.
- (2) Drug Therapy Clinic
- (3) Behaviour Therapy Clinic
- (4) Insuline Sybcoma Clinic.
- (5) Maintenance Therapy of Schizophrenia Clinic.
- (6) Child Guidance Clinic.
- (7) Abreactive Therapies Clinic.
- (8) Psychotherapy Clinic (Individual and Group).
- (9) Clinic for Alcoholism and Drug Addiction.
- (10) Group Psychotherapy for sexual problems of males.
- (11) Occupational Therapy Clinic.

Total number of patients offered different services in 1979.

	No. of Patients	No. of Sessions
(1) indoor admissions	1,045	
(2) Total number of E.E.G.	997	
(3) Total number of polygraphs	207	
(4) Total No. of Galvanic Skin Reflex	62	
(5) Electroconvulsive Therapy (ECT)	1,229	7,776
(6) Insulin Therapy	57	1,320
(7) Carbondioxide Abreaction Therapy	28	140
(8) Maintenance Therapy for Chronic Schizophrenis (Special Clinic).	196	525
(9) Behaviour Therapy	101	1,405
(10) Child Guidance Clinic	82	405

**Workload of Psychiatric Social Worker :**

(1) Collection of Social data	1,425
(2) Social case work	214
(3) Family Therapy	27
(4) M.D. Orientation	116
(5) Rehabilitation by referral to employment agencies	80

**Work load of Occupational Therapist :**

(1) Indoor patients	1,196	9,501
(2) Out-door patients	277	1,090
(3) Aversion Therapy	80	742
(4) Total No. of patients	1,886	
(5) Total No. of Sessions	12,863	

**Medical Check up Centre :**

The Centre has examined, investigated and treated 473 patients during the year Diagnostic Centre Parel,—

	Patients treated
(1) Family Health Clinic	46,879
(2) Family Health Centre	46,870

**Immunization ;**

Polio	...	...	...	...	...	...	4,448
Triple	...	...	...	...	...	...	4,340

**Investigations ;**

Blood	...	...	...	...	...	...	12,252
Stool	...	...	...	...	...	...	541
Sputum	...	...	...	...	...	...	157
Semen	...	...	...	...	...	...	231
Urine	...	...	...	...	...	...	13,844
							26,530

**Department of Radiology**  
The work load for the year 1979

Department	General Radiology Deptt.	Diagn. Centre	Neuro-Radiology	Orth. Centre	C.V.T.C.	Total
Plain X-rays	72,473	663	1,574	33,533	7,680	1,15,923
Ba-studies..	2,981	...	...	...	...	2,981
Chole-Cystography	167	7	...	...	...	174
Cholangiography	...	6	...	...	...	6
Branchography	...	92	...	...	...	92
Tomography	17	40	70	...	...	127
Excretory Urography (I.V.P.)	...	49	1	...	1,728	1,778
Cystourethrography	25	...	...	...	140	165
Hystoro Salpingography	60	...	...	...	...	60
Myelography	76	..	192	70	...	338
Durography	...	...	2	...	...	2
Pneumo Encephalography	35	6	61	...	...	102
Ventriculography	...	...	233	...	...	233
Cardiac Catheterization	...	283	...	...	...	283
Cardiac Angiography	...	241	...	...	...	241
Aortography	...	263	...	...	...	263
Arteriography	154	281	374	...	...	809
Venography	...	128	8	...	...	136
Lymphography	...	51	...	...	...	51
Splenoporiography	...	133	...	...	...	133
Sialography..	34	...	...	...	...	34
R. P. A. I;	...	37	...	...	...	37
Lung Biopsy	...	25	...	...	...	25
P. T. C.	...	15	...	..	...	15
Others	194	...	..	...	...	194
<b>Total No. of X-Rays</b>	<b>76,216</b>	<b>2,320</b>	<b>2,515</b>	<b>33,603</b>	<b>9,548</b>	<b>1,24,202</b>

## DEPARTMENT OF PATHOLOGY AND 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 out-patients.

(2) Autopsy Section.

(3) Surgical Histopathology Section.

## Clinical Biochemistry :

Name of Analysis	No. of Samples	Total No. of Investigations
Blood Sugar ...	25,371	25,371
Blood Urea Nitrogen ...	12,796	12,796
Glucose Tolerance Test ...	182	182
	(Include in No. 1)	
S. Proteins ...	4,776	4,776
Bilirubin ...	4,698	4,698
Alkaline Phosphatase ...	1,652	1,652
Acid Phosphatase ...	391	391
S.G.O.T./S.G.P.T. ...	7,209	7,209
S. Creatinine ...	6,251	6,251
S. Amylase ...	260	260
S. Phosphorus ...	1,459	1,459
C.S.F. Sugar ...	1,459	1,459
C.S.F. Chlorides ...	1,785	1,785
Cholesterol ...	1,785	1,785
Uric Acid ...	381	381
Fluid Proteins ...	918	918
Urine Porphyrins ...	214	214
Urine Urobilinogen ...	197	197
Urine Albumin ...	214	214
Bence Jones Proteins ...	195	195
Gastric Analysis ...	389	389
Prothrombin time ...	1,574	1,574
Electrophoresis ...	249	249
Electrolytes (3) ...	747	2,741
	76,661	78,155

## Clinical Pathology (O.P.D. Laboratory and Lab. of Orthopaedic Centre).

Type of Analysis	No. of Samples	Total No. of Investigations
Haemograms ...	27,217	1,00,236
Urine Analysis ...	29,831	
Stool Analysis ...	16,422	16,422
<b>Clinical Pathology (Central Clinical Lab.) :</b>		
Haemograms ...		
Urine Analysis ...	15,147	18,972
Sputum Analysis ...	2,230	
Body Fluids ...	845	845
Stool Analysis ...	9,634	13,228
<b>Autopsy Section :</b>		
No. of autopsies (Medicolegal Cases) ...	390	
No. of autopsies (Total) ...	2,067	
No. of P.M. tissues processed ...	23,243	
Total block prepared ...	15,699	
Special stain and restain ...	133	
<b>Surgical Histology :</b>		
Total No. of specimens received ...		7,971
No. of blocks prepared ...		13,558
No. of slides stained ...		13,558
No. of special stained ...		1,208
Frozen sections ...		32
<b>Neurochemistry :</b>		
Cerebrospinal fluids ...		786
Bl. Urea and creatinine ...		1,220
Serum cholesterol ...		150
Serum GOT and GPT ...		800
Prothrombin time ...		170
Serum CPK ...		312
Urinary amino acid ...		100
Serum total proteins, serum bil ...		500
Urinary mucopolysachride ...		25
Haemograms ...		451

Name of Analysis	No. of Samples	Total No. of Investigations
<b>Muscle Biopsy Histochemistry :</b>		
At pase, NADH Tr. phosphorylase	...	60
Erythrocyte membrane (Normal and dystrophic)	...	20
Histochemistry of skin	...	20
<b>Histopathology Surgical biopsies :</b>		
Total No. of Cases	...	401
Blocks prepared	...	553
Slices prepared	...	533
Unstained slices prepared	...	1,600
Brain specimens from autopsy	...	
Total No. of cases	...	385
Blocks prepared	...	8
Slices prepared	...	8
<b>Emergency Service :</b>		
Blood Sugar	3,201	3,201
Blood Urea Nitrogen	3,383	3,383
Electrolytes	3,496	10,485
S. Amylase	48	48
S. Bilirubin	1,622	1,622
C.S.F. Sugar	2,256	2,256
C.S.F. Chlorides	2,256	2,256
Haemoglobin	1,786	1,786
P.C.V.	1,781	1,781

#### Dr. J. M. MEHTA PHARMACEUTICAL LABORATORIES

Nos. and type of finished products prepared are as follows —

2,87,935 Transfusio fluids bottles 12,961 vials and various other items were manufactured.

#### Special Production :

Special injectable solutions such as Inj. Sod. Bromide, Inj. 4 Aminophenazone, Inj. Sod. Nitrite Inj. Sod. Thiosulphate, Inj. Sod. Nitroprusside were prepared for Research and other units after going through laboratory research.

Preparation and Sterilization of bleeding sets for blood bank and Administration sets for transfusion fluids for all wards was undertaken.

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

The staff society was continued during the year 1979. Nine Clinical meetings were held during the year. Dr. C.K. Deshpande, Dean was president for the whole year.

#### Nurses :

Nursing establishment is having 978 scheduel posts out of which 74 posts are vacant. Approximate expenses per nurse per month is Rs. 650.

In the year, nurses were sent for different examinations and their performance of examination was satisfactory.

Examiraton	Period	Appeared	Passed	Percentage
General Nursing	February 1979	66	40	74%
Part-I	August 1979	57	34	59.6%
General Nursing	January 1979	36	32	88.5%
Part-II	July 1979	46	34	74.5%
Midwifery	February 1979	24	24	100%
	May 1979	21	20	99%
	August 1979	24	20	83.93%
	November 1979	25	25	100%

#### Nurses Welfare Society :

The corpus of the fund amounting to Rs. 39,000 which is kept in Government securities (Rs. 16,000) and Fix Deposit account in the Bank (Rs. 23,000) Interest of the amount is utilised for providing amenities to the nurses such as subscribing for periodicals, variety entertainments, sports, picnics, send-off function for retiring members and also for giving loans to the nurses during their difficulties.

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

2,197 members were on the roll at the end of the Co-operative year ending 30th June 1979. The share capital stands to Rs. 4,63,700 on 30th June 1979 as against Rs. 4,64,440 on corresponding date of previous year. The amount of loans granted to the members Rs. 32,33,100 as against Rs. 32,25,320 in the previous year. The Society declared Dividend at 9 per cent. 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. 2,91,532.01 was spend out of the Poor box charity fund in the year as against Rs. 1,46,060.73 during the previous year. The amount was spent on costly drugs, blood, transfusions, surgical appliances, travelling expenses, spectacles etc. for poor and deserving patients of the hospital. Donations of Rs. 1,27,023.79 were received from patient, Philanthropic bodies in individuals. In addition to cash donations, small donations in kinds also received.

**Food Handler,s Scheme :**

3,180 persons were directed for examination by H.O.'s Department from 1st January 1979 to 31st December 1979 out of which only 951 persons attended for examination. 125 persons did not give their stools, blood or both for pathological examination. In all 580 fit and 246 unfit certificates were issued during the year under report.

**C. K. DESHPANDE,**  
*Dean,*  
*K. E. M. Hospital and Seth G.S.M.  
College.*

## APPENDIX I

## Distribution of beds according to Classification of Departments and Sex.

Department	Beds				Total
	Male	Female	Children	Unclassified	
1. Medical (Including Tetanus)	124	80	4	..	208
2. Surgical	124	33	..	..	157
3. Ophthalmic	25	16	..	..	41
4. Gynaec	..	56	..	..	56
5. Obstetric	..	176	..	..	176
6. Skin & Veneral	16	10	6	..	32
7. Orthopaedic	120	81	39	..	240
8. Aural	12	10	26	..	48
9. Psychiatric	32	8	8	..	48
10. Neuro Surgery	18	10	8	..	36
11. Neurology	22	6	4	..	32
12. Paediatric (Medical)	..	..	96	..	96
13. Plastic Surgery	16	14	10	12	52
14. Thoracic Surgery	10	6	..	..	16
15. Isolation Resuscitation	8	3	..	..	11
16. Cardio-vascular & Thoracic Surgery	29	19	..	..	48
17. Cardiology	22	8	..	10	40
18. Chest Clinic	13	11	..	..	24
19. Paediatric Surgery	..	..	43	..	43
20. Drug Trial (CIBA)	..	..	..	10	10
21. Drug Trial (CIPLA)	..	..	..	10	10
22. Drug Trial (UNICHEM)	..	..	..	10	10
23. Urology	8	5	3	..	16
<b>Total</b>	<b>599</b>	<b>552</b>	<b>247</b>	<b>52</b>	<b>1,450</b>

## 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 31-12-78	Admitted during the year 1979	Total treated	Discharged		Died	In the Hospital at the mid-night of 31-12-79
					Cured	otherwise		
MEDICAL	Male	187	9,650	9,837	7,577	585	1,455	220
	Female	116	4,919	5,035	3,739	492	692	112
	Male Child	5	205	210	111	15	75	9
	Female Child	2	151	153	100	12	38	3
SURGICAL	Male	192	7,593	7,785	6,475	728	458	124
	Female	39	2,197	2,236	1,578	380	244	34
	Male Child	1	68	69	29	38	2	..
	Female Child	1	43	44	29	14	1	..
OPHTHALMIC	Male	29	1,057	1,086	936	112	1	37
	Female	13	640	653	560	75	1	17
	Male Child	2	73	75	52	20	..	3
	Female Child	..	54	54	41	11	..	2
GYNAEC	Female	55	2,994	3,049	2,888	88	11	62
	Female Child	..	..	..	..	..	..	..
SKIN & VENERAL	Male	221	337	358	242	98	8	10
	Female	5	95	100	68	24	1	7
	Male Child	..	17	17	8	5	..	4
	Female Child	..	16	16	12	3	..	1
AURAL	Male	16	962	978	730	210	11	27
	Female	8	768	776	558	205	3	10
	Male Child	3	398	401	320	79	..	2
	Female Child	1	340	341	283	55	2	1
ORTHOPAEDIC	Male	253	2,755	3,008	1,983	620	122	283
	Female	131	1,025	1,156	609	359	60	128
	Male Child	52	489	541	332	170	6	33
	Female Child	24	259	283	169	86	3	25



## APPENDIX II—Contd.

Department	Sex	In the Hospital at the Mid-night of 31-12-78	Admitted during the year 1979	Total treated	Discharged		Died	In the Hospital by the mid-night of 31-12-79
					Cured	other-wise		
PSYCHIATRIC	Male	21	638	659	294	348	3	14
	Female	5	357	362	228	125	1	8
	Male Child	1	20	21	12	9	..	..
	Female Child	1	13	14	8	6	..	..
NEUROSURGERY	Male	23	366	389	286	42	44	17
	Female	7	153	160	95	32	25	8
	Male Child	6	97	103	60	26	15	2
	Female Child	..	47	47	30	10	6	1
NEUROLOGY	Male	18	221	239	156	53	10	20
	Female	10	105	115	73	33	3	6
	Male Child	2	45	47	32	12	3	..
	Female Child	2	16	18	9	8	1	..
PAEDIATRIC SURGERY	Male Child	22	1,561	1,583	941	530	77	35
	Female Child	13	733	746	386	293	51	16
PAEDIATRIC MEDICAL	Male Child	56	2,446	2,502	1,521	446	485	50
	Female Child	30	1,822	1,852	997	387	431	37
OBSTERIC	Female	153	7,382	7,535	7,117	253	18	147
	Male Child	..	3	3	3	..	..	..
	Female Child	..	3	3	3	..	..	..
CARDIOLOGY	Male	25	444	469	216	185	46	22
	Female	15	233	248	121	100	21	6
	Male Child	5	126	131	71	42	11	7
	Female Child	2	77	79	43	25	4	7
THORACIC-SURGERY	Male	28	395	423	165	178	41	39
	Female	22	320	342	173	118	36	15
	Male Child	4	72	76	37	19	14	6
	Female Child	2	55	57	36	13	5	3
CHEST Clinic	Male	13	449	462	140	248	60	14
	Female	4	304	308	83	192	25	8
	Male Child	2	24	26	9	11	6	..
	Female Child	2	9	11	5	5	1	..
DIABETIC	Male	9	123	132	44	66	16	6
	Female	6	81	87	23	50	9	5
	Male Child	..	..	..	..	..	..	..
	Female Child	..	5	5	1	4	..	..
G. I. C.	Male	4	1	5	2	3	..	..
	Female	2	..	2	..	2	..	..
PLASTIC SURGERY	Male	28	252	280	105	152	..	23
	Female	9	123	132	40	82	..	10
	Male Child	8	83	91	38	46	..	7
	Female Child	5	67	72	21	47	1	3
HAEMATOLOGY	Male	9	153	162	80	47	26	9
	Female	1	83	84	26	39	13	6
	Male Child	..	1	1	..	1	..	..
	Female Child	..	1	1	..	1	..	..
ENDOCRINOLOGY	Male	..	..	..	..	..	..	..
	Female	..	..	..	..	..	..	..
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	..	..	..	..	..
UROLOGY	Male	6	305	311	172	115	12	12
	Female	3	36	39	17	17	..	5
	Male Child	..	4	4	3	1	..	..
	Female Child	..	1	1	..	..	..	..
PHARMACOLOGY	Male	12	57	69	44	25	..	..
	Female	..	1	1	1	..	..	..
	Male Child	..	..	..	..	..	..	..
	Female Child	..	..	..	..	..	..	..
TOTAL	Male	894	25,758	26,652	19,647	3,815	2,313	877
	Female	604	21,816	22,420	17,997	2,666	1,163	594
	Male Child	169	5,732	5,901	3,579	1,470	694	158
	Female Child	85	3,712	3,797	2,174	980	544	99
GRAND TOTAL		1,752	57,018	58,770	43,397	8,931	4,714	1,728

## APPENDIX III

Statement of out-patients New O. P. D'. Casuality according to the Department and Sex during the year 1979.

Department	New O.P.D. Cases					Casualty				
	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 ..	35,893	19,135	5	3	55,036	3,076	1,102	64	44	4,286
B—Surgical ..	25,149	9,792	177	84	35,002	6,823	1,529	79	35	8,466
C—Ophthalmic ..	14,225	7,238	1,392	1,076	23,931	364	68	21	6	459
D—Gynaec ..	..	14,213	..	10	14,223	..	72	..	1	73
E—Dental ..	7,999	5,879	954	800	15,632	21	12	3	..	36
F—Skin ..	20,258	7,062	4,713	3,619	35,652	17	6	3	..	26
G—Aural ..	12,027	7,384	2,847	2,187	24,445	481	111	34	18	644
H—Orthopaedic..	20,796	9,261	3,903	1,947	35,897	2,299	546	208	84	3,137
I—Psychiatric ..	4,356	2,803	435	299	7,893	5	10	2	1	18
J—Neuro Surgery	975	488	296	161	1,920	11	2	..	..	13
K—Neurology ..	974	503	180	107	1,764	4	4	..	1	9
L—Paediatric Med.	..	..	8,886	6,779	15,665	..	..	399	215	614
M—Obstetric ..	..	6,443	..	..	6,443	..	65	..	..	65
N—Dispensary..	1,308	367	18	5	1,698	..	..	..	..	..
O—Diabetic ..	1,200	783	11	9	2,003	2	1	..	..	3
P—Plastic Surg. ..	318	219	81	73	691	840	89	42	23	994
Q—Thoracic Surg.	1,049	709	241	120	2,119	3	..	1	2	6
R—Paed. Surg. ..	..	..	273	158	431	..	..	507	270	777
S—G.I.C. ..	174	91	2	2	269	..	..	..	1	1
T—Cardiology ..	1,743	1,160	341	245	3,489	1	..	..	..	1
U—Endocrinology	185	350	29	19	624	..	..	..	..	..
V—Asthama ..	8	4	..	..	12	..	..	..	..	..
W—Chest-Clinic..	1,192	690	87	55	2,024	..	..	..	..	..
X—Epilepsy ..	686	363	354	181	1,584	4	1	..	..	5
Y—Urology ..	763	84	14	5	866	..	..	..	..	..
Z—Municipal Staff	6	1	2	..	9	..	..	..	..	..
2—Arthritis Clinic	200	151	11	6	368	..	..	..	..	..
3—Sports Clinic ..	322	41	3	..	366	..	..	..	..	..
4—Haematology ..	135	73	31	28	267	..	..	..	..	..
5—Casualty	57,307	18,845	10,749	6,062	92,973	7	..	..	..	7
6—Medical Check-up ..	..	..	..	..	..	..	..	..	..	..
7—Pneumoconosis	18	12	2	..	32	..	..	..	..	..
8—Airpollution	25	6	..	..	31	..	..	..	..	..
Grand Total ..	2,09,292	1,14,190	36,037	24,040	3,83,559	13,958	3,618	1,363	701	19,632

## APPENDIX IV

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

Particular	1978-79		1979-80	
	In-patient	Out-patient	In-patient	Out-patient
I—Establishment ..	25.43	7.56	26.17	10.89
II—Contingencies ..	2.54	0.92	2.46	0.59
III—Equipment ..	1.07	0.35	1.75	0.63
IV—Drug & Medicine	16.05	4.33	15.23	4.85
V—Diet ..	3.40	..	3.17	..
VI—Stores ..	3.49	1.35	3.69	1.49
VII—Repairs and Maint. ..	2.49	1.31	3.00	.98
	54.47	15.82	55.47	19.43

**APPENDIX V**  
**Results of Examinations**

Name of Examination	April 1979		October 1979	
	Appeared	Passed	Appeared	Passed
1st M.B.B.S.	116	96	166	146
2nd M.B.B.S.	156	125	39	25
3rd M.B.B.S.	71	43	167	130
F.Y.O.T.	28	6	...	...
S.Y.O.T.	21	10	...	...
F.Y.P.T.	39	27	...	...
S.Y.P.T.	22	15	...	...
B.Sc. (Occupational Therapy)	3	2	..	..
B.Sc. Physical Therapy	9	3	..	..
October Examinations are held in January/February and the results are not declared so far.				
M.D. (Medicine)	14	6	15	9
M.D. (Obst. & Gyn.)	23	6	29	14
M.D. (Pharmacology)	1	1	2	1
M.D. (Paediatric)	28	5	39	23
M.D. (T.B. & Chest)	1	..	2	1
M.D. (Skin diseases)	2	2	2	1
M.D. (Anaesthesia)	12	3	12	9
M.D. (Prev. & Soc. Med.)	2	..	1	1
M.D. (Radiology)	1	..	3	2
M.D. (Psychological Med.)	1	1	3	1
M.D. (Human Physiology)	..	..	..	..
M.D. (Neurology)	1	..	1	1
M.D. (Cardiology)	3	..	8	2
M.D. (Microbiology)	1	1	..	..
M.D. (Pathology)	4	2	4	2
M.S. (Gen. Surgery)	16	6	17	9
M.S. (Orthopaedics)	19	6	21	5
M.S. (E.N.T.)	3	2	4	2
M.S. (Ophthalmology)	3	3	1	..
M.S. (Human Anatomy)	..	..	4	2
M.S. (Neuro Surgery)	2	1	2	1
M.S. (Thoracic Surgery)	1	..	2	1
M.S. (Paed. Surgery)	1	1	3	2
M.S. (Plastic Surgery)	1	..	3	2
D.A.	6	6	5	4
D.V.D.	3	3	2	2
D.P.H. (part-I)	..	..	4	1
D.P.H. (Part—II)	4	3	2	..
D.P.M.	2	2	4	2
D.M.R.D. (Part-I)	1	1	4	2
D.M.L.T.	12	10	2	2
M.Sc. (Bioch.) by paper—I	16	8	6	4
M.Sc. (Bioch.) by paper—II	12	12	..	..
M.Sc. (Bioch.) by Research	15	15	..	..
M.Sc. (Applied Biology)	..	..	..	..
Ph.D. (Applied Biology)	..	..	1	1

## APPENDIX VI

## RESEARCH

## Department of Preventive and Social Medicine :

- (1) A comparative study of Health and Family Welfare in two ward areas of Greater Bombay (Only males views) (Dr. D. N. Pai).
- (2) A study of Total Acceptability of Family Planning Programme in an area of Greater Bombay (Subject 2600 studies) Dr. D.N. Pai.
- (3) A depty study (i.e. Socio-economic, Psychological and Complication) of Sterilization acceptors. (Dr. Pai).
- (4) A study of Soc'o-economic and Cultural factors, associated with Geriatrics and K.A.P. of family panning among them. (Numbers of subject studied 1,800) (Dr. D.N. Pai).
- (5) Scabies Eradication Programme (Dr. V.R. Bhalerao).

## Department of Pharmacology :

- (1) Study of bronchodiator effect of indigenous drug piper longum using lung perfusion technique.
- (2) Hypoglycaemic effect of imidazole derivatives on intraventricular administration.
- (3) Potentiation of morphine analgesia by hypnotics.
- (4) Effect of clonidine on amphetamine induced stereotype.
- (5) Analgesic effect of epidural morphine in experimental model.
- (6) Oxytetracycline and doxycycline bioavailability and Pharmacokinetics.
- (7) Trimethoprim+sulpha-I.V. preparation, Pharmacodynamic effects.
- (8) Anti-inflammatory activity of indigenous drugs-Tulsi, Vekhand etc. in oil.
- (9) Screening of indigenous drugs for anti-epileptic activity.
- (10) Effect of vasodilators on platelet aggregation.
- (11) Experimental and clinical evaluation of P. longum.
- (12) Evaluation of anti-ulcer activity of a plant product.
- (13) Evaluation of anti-inflammatory activity of a plant product in experimental animals.

## 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 transferase (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.

## Department of Anaesthesiology :

- (1) Double blind study of Marcain Stored under CO<sub>2</sub> atmosphere.
- (2) Use of continuous extra-dural block for treatment of tetanus.
- (3) Use of Neuroleptics as sole anaesthetic agents.
- (4) Immunological response to operation theatre pollution in chronically exposed anaesthesiologists.
- (5) Oxygen enrichment with R.R. attachment for changing length of reservoir limb.
- (6) Pseudocholine esterase estimation after using difficult anaesthetic agents.
- (7) Self taming of succinyl-choline induced Fasciculations.
- (8) Anaesthetic management of total HIP Replacement.
- (9) Comparative study of duration of action of various spinal anaesthetic agents.

## Social Service Department :

Miss Gop'anin, M.S.W. has undertaken a project on cases of Children having behaviour problems Miss Shah has undertaken a project on the prospective study of social aspects of burns cases. Miss M. Rao, M.S.W. worked on a project along with the psychiatric team on Psychosocial stress in relation on illness.

## C.V.T.C. Laboratory :

(1) L.E. Cell phenomenon	...	...	...	...	108
(2) Rheumatoid Arthritis tests	...	...	...	...	305
(3) Immunoglobulins (IgG, IgM, IgA)	...	...	...	...	40
(4) % T Cells	...	...	...	...	4
(5) % B Cells	...	...	...	...	4
(6) Congo Red Test	...	...	...	...	2
(7) V.M.A.	...	...	...	...	25
(8) Lipoprotein fractions	...	...	...	...	150
(9) LDH Total	...	...	...	...	20
(10) I.D.H. Isoenzymes	...	...	...	...	5
(11) Cholesterol	...	...	...	...	85
(12) Cholesterol—HDL VLDL LDL	...	...	...	...	85
(13) Triglycerides	...	...	...	...	85
(14) Triglycerides—HDL VLDL LDL	...	...	...	...	85

**NEURO-SURGERY DEPARTMENT,****Muscular Dystrophy,**

On going research on problem of dystrophy is being carried out in the department under the aegis of Indian Council of Medical Research and J. K. scientific Research Society. We have also put up a musculer tissue culture laboratory and we have been successful in growing both foetal and normal muscles.

**Epilepsy,**

PL 480 Epilepsy patients are being followed on a long term basis for evaluation of therapy.

**Research Activities in Dr. V. N. Bagadia's Unit.**

- (1) A study of neuropsychiatric complications and cognitive deficiency in patients undergoing open heart surgery.
- (2) Excessive smoking, Psychiatric study and behaviour therapy.
- (3) A study of emotional factors in myocardial infarction.
- (4) Comparative study of efficacy of anxiolytic treatments.
- (5) Controlled comparative study of ECTs and tricyclic antidepressant drugs in treatment of depressive disorders.
- (6) Dose effects of antidepressant medications in different populations.
- (7) Effects of Benzodiazepines and therapeutic counselling in different populations.
- (8) (a) A clinical evaluation of Lithium in psychiatric disorders other than Manic depressive psychosis (including restlessness, aggression alcoholism, acute depression.)  
(b) Monitoring serum Lithium— is it necessary?
- (9) National survey of the use of antidepressant drugs in India.
- (10) Evaluation of Disulfiram therapy in the management of alcoholism.
- (11) Number of bulletins of Psychopharmacology from N. I. M. H. distributed in the country : 200.

**E. N. T. DEPARTMENT,****Research Projects,**

Study of congenital Hereditary deafness— Clinical study.	Dr. K. L. Shah. Dr. M. V. Ingle. Dr. S. R. Rege.
Investigation of the Vestibular system by craniocorpography.	Dr. M. V. Kirtane. Dr. P. P. Karnik.
Metronidazole in anaerobic infection in E. N. T.	Dr. P. P. Karnik. Dr. M. V. Kirtane. Dr. K. S. Tonsekar. Dr. Ajita Menta.
Bacterial flora and antibiotic sensitivity in acute middle ear infections.	Dr. P. P. Karnik. Dr. M. V. Kirtane. Dr. Ka'ambi. Dr. Kale V. V.
Transnasal vidian nerve section.	Dr. P. P. Karnik. Dr. M. V. Kirtane.
Investigations of taste disorders by chemogustometry and electrogustometry.	Dr. P. P. Karnik. Dr. M. V. Kirtane. Dr. Anant Shah.
Optokinetic nystagmus voluntary and involuntary.	Dr. M. V. Kirtane. Dr. P. P. Karnik. Dr. B. Jobanputra.

**Research Projects:**

- (1) Comparison of Iberol and Dumasule in the treatment of Iron deficiency anemia.
- (2) Availability of B12 & folate from Parenteral injection when given with and without iron.
- (3) Coagulation studies in a viral hepatitis.
- (4) Alteration in Haem-Synthesis in cases of thalassaemia by estimating ALA in Blood.

- (5) Acid elution test in detection of thalassemia trait.
- (6) Effect of Nutritional deficiency (mainly Iron) on abnormal-Hbs.
- (7) Effect of Megaloblastic anemia on Hb-A2 level.
- (8) Abnormal Hbs in leukemia.
- (9) Effect of Iron deficiency on cardiac function as assessed by stress test.
- (10) B-12 absorption study in cases of Megaloblastic anemia.
- (11) Causes of Iron deficiency and Megaloblastic anemia in Indian population (Study of Bioavailability of hematinics from food articles.)
- (12) Iron absorption studies in iron deficient patients.
- (13) Platelet function studies in purpuric disorders.
- (14) Coagulation studies in septicemia.
- (15) Coagulation studies in pancreatitis in an exp. model.

#### DEPARTMENT OF PHARMACOLOGY,

##### Laboratory projects ,

- (1) Study of bronchodilator effect of indigenous drug Piper longum using lungperfusion technique.
- (2) Hypoglycaemic effect of imidazole derivatives on intraventricular administration.
- (3) Potentiation of morphine analgesia by hypotics.
- (4) Effect of clonidine on amphetamine induced stereo type.
- (5) Analgesic effect of epidural morphine in experimental model.
- (6) Oxytetracycline and doxycycline—bioavailability and Pharmacokinetics.
- (7) Trimethoprim sulphamethoxazole—I. V. preparation, Pharmacodynamic effects.
- (8) Anti-inflammatory activity of indigenous drugs-Tulsi, Vekhand etc., in oil.
- (9) Screening of indigenous drugs for anti-epileptic activity.
- (10) Effect of vasodilators on platelet aggregation.
- (11) Experimental and clinical evaluation of P. longum.
- (12) Evaluation of anti-ulcer activity of a plant project.
- (13) Evaluation of anti-inflammatory activity of a plant product in experimental animals.

#### APPENDIX VII

##### PUBLICATIONS.

##### Hematology Department ,

- (1) Hereditary Hemorrhagic Telangiectasia—B. C. Mehta, M. B. Agarwal, S. M. Gupta Journal of the Indian Medical Association 72 : 189, 1979.
- (2) Hereditary Spherocytosis in a neonate : M. B. Agarwal, Kumud P. Mehta and B. C. Mehta,—India, Pediatrics 16 : 359 1979.
- (3) Familial systemic lupus Erythematosus : M. B. Agarwal, T. P. Medhekar, K. C. Patel P. D. Anjaria. The Jr. Ass. Phy. And.—27 : 773, 1979.
- (4) Homocystinuria and response to pyridoxine M. B. Agarwal and B. C. Mehta India Pediatrics.—16 : 1049 —1979.
- (5) Primary diffuse osseous lymphosarcoma , A case report : M. B. Agarwal and B. C. Mehta Indian Journal of Cancer.—16 : 83, 1979.

II. Dr. M. B. Agarwal wrote the Hematology section of "Medical Manual" edited by Dr. M. K. Lulla. Enar Advertisers Pvt., L'd., Bombay 1979.

##### III. Articles accepted for publications :

- (1) Activation of systemic lupus erythematosus by antituberculous drugs, Agarwal M. B. Anjaria P. D., Mehta B. C., J. Post. Grad. Med.
- (2) Inherited deficiency of plasma thromboplastin antecedent (PTA—factor XI); Report 3 cases Journal of J. J. Groups of Hospital, Agarwal M. B., Bhanotra P. C., Mehta B. C.

- (3) Pure red cell aplasia with thymoma : Agarwal M. B. Mehta B. C. Jr. of Ass. Phy. Ind.
- (4) Eosinophilia—A review : M. B. Agarwal. Jr. of Ind. Med. Sc.
- (5) Fanconi Anemia with primary pneumococcal peritonitis. Agarwal M. B. G Mehta B. C. Indian Pediatrics.
- (6) Klippel Trenaunay weber syndrome : U. M. Mhaiskar, M. D. Shah, B. C. Mehta M. B. Agarwal, Indian pediatrics.
- (7) Glanzmann's Thrombasthenia, Mehta B. C., Agarwal M. B., Bhanotra P. C., J. Post. Grad. Med.

#### DEPARTMENT OF PSYCHIATRICS

##### Papers Published :

- (1) Double blind controlled study of Prothiaden in cases of Depression.—JP, 21 : 189, 1979.
- (2) Maintenance therap of Schizophrenia LJP, 21, 106, 1979.
- (3) Piportil injection (19552 RP)—a depot neuroleptic in Schizophrenia.—JP 21, 259, 1979
- (4) Chr. Alcoholism, the responder on electrical aversion therapy. IJP—21, 64, 1979,
- (5) Schizophrenia—study of the family & childhood environment in 495 cases from Bombay India, IJP 21, 101, 1979.
- (6) Schizophrenia, A study of Demographic factors in 495 cases from Bombay, India IJP 21, 187, 1979.
- (7) Psychiatric study of Menorrhagia Haemorrhagica, IJP, 21, 328, 1979.
- (8) Suicidal Behaviour, a clinical study, IJP 21, 379, 1979.
- (9) A double-blind controlled study of Amoxapine & Imipramine in cases of depression Curr. Therapy. Res. 26, 417, 1979.
- (10) "Treatment of Mental Disorders in India" in Perspectives in Psychopharmacology. Pergamon Press, 1979.

##### Research Activities under Dr. D. R. Doongajis Unit :—

- (1) Single v/s multiple dose Double blind study of Clobazam v/s Diazepam.
- (2) Study of Schizophrenic Rorschach Protocol in two different populations.
- (3) Study of Blood Platelet's MAC activity and Urinary PEA levels in Indian Psychiatric patients.
- (4) Standardisation of MMPI for Indian Population.
- (5) Study of Psychological, genetic and biochemical variables in different grades of Mental retardation.
- (6) Psychological sequelae of medical termination of pregnancy in married and unmarried females, after the first and repeated abortions.

##### Papers published :

- (1) Sleep deprivation in depression a preliminar study Journal of Postgraduate medicine, 25(1), 4, 1979.
- (2) Penfluridol in the treatment of Gillesdeola Tourette's Suynndrome. Neurology Indian 27 4), 1979

#### DEPARTMENT OF ORTHOPAEDIC SURGERY,

##### Papers published :

- (1) Dhir R. S. : An epineural cuff in secondary Neuroorrhaphy. A preimmar study of the new technique. Indian Journal of Surgery-41, 215-226, 1979.
- (2) Rao A. A. Ender-Danlos Syncrome with monitict fibrous dysphasis. Journal of Post graduate Medicine. 25, 186-188, 1979.
- (3) Hormusjee D. N. : Two pin fixation for intracapsular fracture neck of femur. The Indian Practitioner. 32, 267-274, 1979.

(4) Hormusjee D. E. & Shahane M. N. Diagnostic and therapeutic value of early synovectomy of knee joint.—A study of sixty cases—*Journal of Postgraduate Medicine*. 25, 166-170, 1979.

(5) Samsi A. B., Dhir R. S. & Mookhy S. R.: Shin pain—in *Bulletin of Sport Medicine*—1979.

**B. Papers read in various regional and national conferences ,**

**(I) In Western Indian Regional Conference, Bombay on 18-11-1979 ,**

(1) Dhir R. S. & Mehta M. P., Acute to good reduction of supracondylar fracture of humerus in children.

(2) Dhir R. S. & Rao A., Fracture of lateral condyle of humerus in children.

(3) Bavdekar A. V., Patel B. R., Hormusjee D. N. & Vora: Hereditary peripheral neuropathy.

(4) Bavdekar A. V., Patel B. R. Hormusjee D. N. & Shah S. K.: Pyogenic Psoas Abscess in children.

**(II) Annual Conference of Indian Orthopaedic Association at Udaipur from 14-9-1979 to 16-9-1979 ,**

(1) Dhir R. S. , Opponensplasty.

(M) Dhir R. S. , Eggar's Hamstring transfer to femoral condyle in poliomyelitis.

**(III) Annual Conference of Association of Surgeons of India at Hyderabad from 27-12-1977 to 30-12-1979 ,**

(1) Dhir R. S.—Epineural cuff in secondary neurolymph.

**(IV) 11th Annual Conference of Maharashtra State Association of Sports Medicine in Bombay in April 1979 ,**

(1) Dhir R. S.—Group discussion on 'Backache'.

(2) Mookhey S. R., Samsi A. B., Dhir R. S. , Shin Pains.

#### **E. N. T. DEPARTMENT.**

##### **Papers Published :**

Is tympano—ossicular homograft worthwhile— Dr. M. V. Kirtane., Dr. P. P. Karnik,  
Dr. V. S. Prabhy, Dr. S. K. Tonsekar.

The Indian Journal of Otolaryngology Vol. 31, 2, 45. 1979.

##### **Morgraphy**

Standardization in Electronystag—Dr. M. V. Kirtane.

Indian Journal of Otolaryngology—Vol. 31, 4, 16—1979.

Dr. M. V. Kirtane received the Association of Otolaryngologists of Indian Award (B-Merk) for this papers.

#### **APPENDIX VIII.**

##### **Seminar's Conference Associations and Papers read ,**

**(1) Department of Pharmacology,**

**Prof R. S. Satoskar :**

(1) Presided over the 11th Annual Conference of Society of Nuclear Medicine, India at New Delhi— as a Chairman of the Society 1978-79.

(2) Attended as temporary advisor, the meeting of W. H. O. Workshop and expert committee meeting Bangkok, Thailand.

**Prof. S. M. Karandikar :—**

(1) Publication of "Drug Spectrum"—a G. S. Drug information bulletin was initiated by Dr. S. M. Karandikar. This is a departmental activity and is published monthly with the help of an Editorial Board consisting of staff members of the department.

(2) Participated in Symposium—'National Immunisation—Programmes' UNICEF, at Bombay

(3) Visited several Departments of Clinical Pharmacology in U. K. & U.S.A. & delivered 6 lectures at various Universities in U.S.A.

(4) Attended Annual Regional Conference of Pharmacology held at Miraj.

(g) Participated in Symposium (by invitation) on Drug—Information at Indian Pharmaceutical Congress, Lucknow.



**Dr. (Mrs.) K. C. Gupta.,**

Attended the meeting of members of I. C. M. R. Task Force Female Hormonal contraceptive section, at I. C. M. R. Head Quarters, New Delhi, held on July 9-10-1979.

Speaker in Symposium Drug monitoring Systems organised 9-10-1979 jointly by Indian Medical Association Bombay & A. M. A. P. J.

Co-author of paper—flurbiprofen in dysmenorrhoea presented at VIth conference of Association of Medical Women of India December 1979.

**Dr. (Mrs.) S. S. Naya mpalli :**

Attended 19th Maharashtra state Medical Conference of IMA held on 2nd to 4th November 1979, at Bombay, participant in symposium.

**Dr. A. B. Varde :**

Presented paper on 'Placebo' at the Indian Society for Clinical Pharmacology Symposium—July 1979.

Presented paper 'Effect of diphenylhydantoin as an antiaggressive agent in drug induced fighting behaviour in rodents' Annual Conference of Indian Pharmacological Society at Raipur in December 1979.

**Dr. (Mrs.) N. A. Kshirsagar :**

Invited to be chairman for seminar 'Drug Interactions' at Institute for Research in Reproduction, Bombay, Speaker in workshop for Librarians at Institute for Research in Reproduction Bombay.

Co-author of paper—'Epidural morphine in treatment of Chronic pain—Presented at Annual Anaesthesia Conference, Gwalior.

**Department of Biochemistry and Nutrition :**

Three staff members of this department attended the 6th Annual Conference of Association of Clinical Biochemists of India where two research papers were presented.

**Social Service Department :****Teaching :**

Supervision of field work of ten social work students from Tata Institute of Social Science and Nirmala Niketan was under taken by Staff M. S. W. S. Lectures to the undergraduat medicals students were given by Miss Gopalani, M. S. W. Lectures in Sociolology to O. T. & P. T. Students were given by Mrs. H. Shah. Orientation lectures to the Social Work students from various schools work were given by Mrs. H. Shah.

**Presentation of papers :**

Regular clinical meetings are arranged every month where M. S. W. S. present interesting cases or papers.

Mrs. H. Shah participated in the U. G. C. Seminar held at Nirmala Niketan in January 1979 on social work practice in the field of Health and she was in charge of a workshop discussion.

Miss Pandey read a paper at a Seminar held in E. N. T. Hospital.

Miss Goswami and Mrs. A. Shah attended seminars and sports in the paraplegics arranged by NASEOH.

**Department of Physiology :**

Two seminars were conducted for staff members. Dr. (Mrs.) Bharadwaj and Mrs. Joshi spoke on "Kidney as an endocrine & Microscope" respectively. Dr. Ramchandani chaired both the sessions.

"Journal Club" was started during the last year for full time staff members. Dr. (Mrs.) Bharadwaj, Dr. (Mrs.) Joshi, Dr. (Mrs.) Deo, Dr. (Mrs.) Patki and Dr. B Rane participated actively in giving information about recent development of concepts in (i) Erythropoiesis (ii) Anaemias, (iii) Composition and functions of blood (iv) Leukocytes & (v) Immunity.

Dr. (Mrs.) I. S. Paintal and Dr. (Mrs.) K. Deo attended the Annual conference of A. P. P. I. at Delhi in December 1979 and presented the following papers.

"Dermatoglyphics in congenital heart diseases" by Dr. Paintal,

"Mechanism of atrophy of developing brain in malnutrition."

**Department of Pharmacology :**

(1) Gupta K. C., Manikeri S., Paul T., Tilve G. H., Acharya V. N., Mehta J. M. Seth U. K. Effect of RH-8, Flurbiprofen and aspirin on platelet function and coagulation. Ind. Jour. Med Res. Jan. 1979.

(2) Gupta K. C., Naik S., Manikeri S., Sheth U. K., Vaidya P., Mandlekar, A. Krishna U. R. Coagulation studies in women on combination type of contraceptives Jour. of Obst. & Gynaec. of India, 23, 647-649, 1979.

(3) Vaidya P., Purandare V. N., Naik S., Gupta K. C., Rajawade N., Seth U. K.

Serum lipid studies in women using combination type of oral contraceptives, Journ. of obst. and Gynaec., of India. 23, 644-646, 1979.

(4) Kshirsagar N. A., Shah B. P., Paul T., Acharya V. N., Sattur B. P., Sheth U. K., Effect of non-steroidal anti-inflammatory agents and diuretics on proteinuria and urine volume in nephrotic syndrome patients. In I. Jour. Med. Res. 70- 801-806, 1979.

(5) Kshirsagar N. A., Phhujeni S. M., Paul T. Sheth U. K.: Phenybutazone protein binding in normal subjects and hypoproteinemic patients—Ind. Jour. of Med. Res. 70, 1006-1009, 1979.

(6) Bapat A. R., Kshirsagar N. A., Bapat R. D., Aspects of epidural morphine, Lancet, 583, 1979.

(7) Kshirsagar N. A., Drug use in paediatric practice Mah. Med. Jour. 26, 243-244, 1979.

(8) Sunanda S. Nayampally, U. K. Sheth., Evaluation of anti-allergic activity of Tylophora Indica using rat lung perfusion.

#### Urology Department:

A paper entitled "Aspiration Cytology and Needle Biopsy in Diagnosis of Enlarged Prostate" was presented at the 356 the meeting the Staff Society on 11-8-1979.

Two scientific papers were presented at the 13th Urology Section of A. S. I. meeting at Trivandram on 21-23 September 1979.

Urology Department organised the Screening of interesting urological Endoscopy films on 1-12-1979 and 8-12-1979. These films were obtained from STORZ of U. S. A. on 6-12-1979. Dr. K. G. Munsif Memorial Oration was delivered by Dr. Tadao Nagayama on the subject "Cryosurgery of Bladder Tumours and the Prostate."

#### PAEDIATRIC MEDICINE:

**Symposium**, The 11th International Symposium on Mental Retardation was organised by the Department of paediatrics and University affiliated Mental Retardation Institute of New York Medical College, New York, U.S.A., About 70 American participants and the staff of K. E. M. Hospital namely the Department of Paediatrics, Psychiatry and Occupational Therapy and other eminent speakers from Institutes concerned with teaching, training, research and rehabilitation of the Mental Retardation also participated. There was a pressing demand for the publication of the proceeding which is now in its final stage.

#### Lectures and Orations:

(1) Dr. M.P. Bhagat oration was given by Dr. Srikantha, on ' Nutrition and infection '.

(2) Shantilal C. Sheth oration was delivered by, Dr. C. Gopalan on ' Child Health Services by the year 2000 An opportunity and Challenge.

(3) Dr. Gwilyn Hosking, Neurologist from Sheffield, visited Department of paediatrics and held useful discussions on clinical cases.

(4) Dr. I.B. Sardharwala, consultant Paediatrician, Director, Willink Biochemical Genetic Unit, Royal Manchester Childrens Hospital, delivered a lecture on Amino Acid Disorders. He spent 3 days in the Laboratory and discussed the problems of screening for Amino Acid Disorders. A case demonstration on In-born Errors of Metabolism was held earlier.

#### Participation in Conferences:

(1) The senior staff participated in VIIth Annual Conference of Indian Academy of Paediatrics and read papers and also chaired the session.

(2) Dr. N. B. Kumta participated in two days seminar on Oral Rehydration organised by I.C. M.R.-W.H.O.

(3) Dr. (Smt.) M.K. Joshi participated in immunity and Immunization Seminar sponsored by Indian Academy of Paediatrics (Ahmedabad Branch).

(4) Dr. M.K. Jain and Dr. Simin F. Irani attended first Regional conference of India Academy of Paediatrics, Maharashtra Branch, Poona in 1979.

(5) Dr. Simin F. Irani conducted Neonatology session at the invitation by I.M.A. at Nasik.

(6) Dr. Simin F. Irani attended a workshop arranged by Indian Academy of Paediatrics, in Bombay.

#### Prizes and Awards:

Dr. S.V. Prabhu stood 1st at the D.C.H. Examination held by the College of Physicians and Surgeons of Bombay in April 1979.

Dr. Usha M. Mhaskar stood 1st at the M.D. Examination in April 1979.

Dr. S. V. Prabhu was awarded the Dr. M.P. Bhagat Gold Medal for standing 1st at the M.D. (Paed.) Examination of University of Bombay in October, 1979.

**Hae matology Department :**

(A) At the 35th Joint Annual Conference of the Association of Physicians of India at Madras

- (1) Symptomatic beta-thalassemia Trait, Study of 124 cases. M.B. Agarwal and B.C. Mehta.
- (2) Thalassemia Intermedia, Study of 28 cases, B.C. Mehta, M.B. Agarwal and J.C. Patel.
- (3) Diagnostic criteria of Beta-thalassemia Trait, Study of 171 patients of patients with Cooleys' aemia. B.C. Mehta, M.B. Agarwal, N. Kurlekar and D.G. Varandani (a).
- (4) Splenectomy in chronic myeloid leukemia (CML) A.B. Samsi, B.V. Mehta, A.P. Pandya R.P. Usgeonkar, V.R. Kulkarni, M.S. Kamdar and M.B. Agarwal.
- (5) Cyclic oscillation in lucocyte count in chronic myeloid leukemia, M.B. Agarwal.

(B) At the Joint Annual Conference of the Indian Society of Hematology and Blood Transfusion at Madras.

- (6) E-Hemoglobinopathies, Study of 13 families from India; B.C. Mehta, M.B. Agarwal D.G. Varandani, R.H. Joshi, A.B. Bhargava.
- (7) Hemoglobin D. Disorders, Analysis of 13 unrelated families from India and Review of the Literature. M.B. Agarwal, D.G. Varandani, R.H. Joshi, A.B. Bhargava, B.C. Mehta.
- (8) Delta-Beta thalassemia, Report of 33 cases from 13 families, M.B. Agarwal, B.C. Mehta

(C) At the 4th Annual Conference of Bombay Hematology Group.

- (9) Congenital deficiency of fibrin stabilizing factor (Factor XIII). A case report, Bhanotra P.C., Agarwal M. B. Mehta B.C.

**Seminars Conference and Guest Lectures :**

- (1) Organised by 1st Postgraduate teaching course in Hematology in January 1979 at K.E.M. Hospital.
- (2) Dr. B.C. Mehta, invited to deliver a lecture on 'Economic use of Blood Components during, a Symposium on Blood Component therapy held at the 35th Joint Annual Conference of Ass. of Indian Psy. at Trivendrum.
- (3) Dr. M.B. Agarwal invited to deliver a lecture on: 'Cryoprecipitate in Hemophilia' during a Symposium on 'Blood Component therapy,' held at the 35th Joint Annual Conference of Association of Physicians of India at Trivandrum.
- (4) Dr. M.B. Agarwal won the best paper prize for the paper entitled 'Cyclic Oscillation in Leukocyte count' read during the 134 th Annual Conference of Bombay Medical Congress.
- (5) Dr. B.C. Mehta invited to be faculty member for the UICC Post graduate course on Blood Transfusion.
- (6) Dr. B.C. Mehta invited to deliver a lecture during the ICMR course on 'Blood Transfusion.'
- (7) Dr. B.C. Mehta, appointed as the Chairman of Bombay Branch of API.
- (8) Dr. B.C. Mehta appointed as the Hon. Secretary of the Indian Society of Hematology and Blood Transfusion.
- (9) Dr. B.C. Mehta continued to be member of executive committee of Bombay Hematology Group.
- (10) Dr. B.C. Mehta continued to be the Hon. Treasurer of Association of Physician of India.
- (11) Dr. B.C. Mehta continued to be Hon. Secretary of Research Society of K.E.M. Hospital and Seth G.S. Medical College.

**Neuro Surgery Department :**

Dr. S.K. Pandya was invited to participate in the first nation wide conference on central nervous system tumours held at Bangalore between 7 and 11 August 1979. The papers presented at these conference have been Indexed among our reprints. Dr. Pandya presented an analysis of brain tumour seen in our department between 1974-1978 inclusive.

Dr. Anil D. Desai, Ranjit D. Nagpal were delegates at the 29th Annual conference of the Neurological Society of India held at Bangalore between 7 and 10 December 1979.

The following papers were presented at Bangalore :—

- (1) A.D. Desai—Myaesthesia Gravis-A Review.
- (2) R.D. Nagpal—Posterior Decompression for Atlanto-axial Dislocations.
- (3) S.K. Pandya, A.P. Karapurkar, Some Practical Aspects of Cerebral Angiography.

**Awards, Fellowship :**

Dr. Anil D. Desai was awarded Rs. 80,000 by the J.K. Medical and Scientific Research Society for his work on Muscle Cell Cultures.

Dr. S.K. Pandya was awarded the DAAD Travel Grant as noted above.

**Division of Endocrinology and Metabolic Disorders :**

- (1) I.C.M.R. collaborative study on 'Sulfonylurs as in Diabetes on Low Calorie Diets' was continued from the previous year.
- (2) Dr. Vimla Retman, Tutor, continued her work on 'Lipoprotein Patterns in Diabetes' in collaboration with Dr. Suman Kinare and Dr. (Mrs.) Taskar.

(3) A project on 'Patterns Metabolic Bone Disease in patients with Fracture Neck Femur' under the auspices of Seth G.S. Medical College, and K.E.M. Hospital Research Society was continued from the previous year in collaboration with the Departments of orthopadics, Radiology and Pathology.

(4) A project on 'Prevalence of SIADH in Diabetes on Chloropromide' was undertaken and completed by Dr. Vivian Fonseca, Research Officer (ICMR) in the Division.

(5) Dr. Nadeem Rais (Research Officer, G.S.M.C. and K.E.M.H. Research Society) and Dr. S. D. Bhandarkar read a paper on 'Renal Glycosuria' at the Bombay Medical Congress in December 1979.

(6) Miss Manju Dev (Technician), Mrs. Gokani Sarita (S.S.O., Department of Medicine) and Vivian Fonseca read a paper on Cryoscopy and its Clinical Applications at annual conference of All India Clinical Biochemists' Association at Vishakhapatnam in December 1979.

(7) Miss Surekha Dighe (Technician) Mr. Dadasaheb Patankar (Technician), Department of Medicine, and Dr. S.R. Mukhi (Tutor, Department of Orthopedics) read paper on 'Plasma Biochemistry in Patients with Fracture Neck Femur' at the same conference at Vishakhapatnam in December 1979.

(8) A project on 'Physical Exercise in the Treatment of Diabetes Mellitus' was initiated Dr. Bhandarkar together with Mr. Javle and Miss Sandhya Desai of the Department of Physiotherapy.

(9) Dr. Vivian Fonseca, Dr. Nadeem Rais and Dr. Bhandarkar carried out a project on 'The Effect of Propranolol on the Electrocardiogram in Hypothyroid Patients'.

(10) A Clinical Trial of 'Fertyl (Clomiphene Citrate) in Delayed Puberty' was initiated in December 1979.

(11) Dr. Vimala Ratnam, Tutor, attended an 8 weeks course on Endocrinological Techniques at National Institute of Nutrition (NIN) at Hyderabad.

#### PAEDIATRIC DEPARTMENT.

##### Study Tour and Visits Abroad :

Dr. N.B. Kumta visited U.K. on 3 months study tour and worked in Edinburgh, Department of Human Genetics, with Professor Alan E.H. Emery and Dr. Noel Raine in the department Clinical Chemistry at Birmingham Childrens' Hospital and Biochemical Genetic Unit, Royal Manchester Hospital with Dr. I.B. Sardharwalla. He participated in Advanced Course in Genetics at Institute of Child Health, London by Professor Cedrick O. Carter.

#### PSYCHIATRIC DEPARTMENT.

##### Thesis :

The following theses were submitted and accepted for M.D. (Psychological-Medicine) examination of the University of Bombay.

(1) Phenomenological study of Depersonalization in Psychiatric patients—Dr. M.D. Parekh.

(2) A study of hostility and aggression in Indian psychiatric patients—Dr. D.D. Panjwani.

##### Health Education :

Members of the department published popular articles, gave talks on stage, radio and television participated in symposia, with a view to promote a better understanding psychiatric illnesses and patients in the general public.

##### Honours, Distinctions, Awards :

(1) Dr. V.N. Bagadia was invited to attend the 3rd meeting of W.H.O. study 'Dose Effect of Antidepressant Medication in different population' held in Washington.

(2) 3rd Meeting of the Chief Investigators of the WHO study of Antipsychotic and Antianxiety medication was held in the department in November 1979—Dr. Bagadia, Dr. Shah, Dr. Pradhan, Dr. Gada, Dr. Mundra, Dr. Rajkumar, Miss Gopalani participated in the meeting.

(3) Dr. Doongaji were awarded the E. Mark Gold Medal for the best scientific paper at the 10th Annual Conference of I.P.S. West Zone 1979, for the paper entitled 'Measurement of psychosocial stress in relation to an illness'.

(4) Dr. Apte attended the workshop in postgraduate education in psychiatry held at NIMHANS, Bangalore.

(5) Dr. Amit Desai stood first in D.P.M. (Part-II) Examination of Bombay University held in November 1979.

(6) Dr. Mani stood first in D.P.M. (Part-I) of Bombay University, held in November 1979.

(7) Dr. Apte was appointed on the panel of language commission in the subject of psychology

**Papers Read :**

Papers read at the 31st Annual Conference of IPS, Pune, January 1979.

- (1) Homosexuality-Psychiatric study and Behaviour Therapy.
- (2) A Psychiatric study of Metropath a Hamornhagica a controlled psychiatric study.
- (3) A double-blind controlled trial of Loxapine in adolescent Schizophrenia.

Papers read at the 10th Annual Conference of IPS, West Zone, 1979.

- (1) Efficacy of anxiolytic therapies comparative study of Diazepam, Lorazepam, Propranolol and Placebo.
- (2) Comparison of EECT, Amitryptiline and Imipramine in Depression.
- (3) ECT, Retrospective Analysis of 1300 cases.
- (4) Measurement of Psychosocial stress in relation to an illness. A controlled study of 100 cases of cancer.
- (5) Penflusridol in the treatment of chronic schizophrenia.

Papers read at the 32nd Annual Conference of IPS, Bangalore, 1979.

- (1) Comparative study of Behaviour therapy, Pshychotherapy, Electro-sleep, placebo in Anxiet states.
- (2) Neuropsychiatric complication and cognitive efficiency in patients undergoing open heart surgery.

**E.N.T. Department****Papers presented at International Conferences :**

Presented at the symposium on Neurotology at Bad Kissgenen, West Germany in March 1979

Die systematische Aufzeichnung und Auswertun des spontannystagnus und der Kalorischer Vestibularisprüfung.

Dr. M.V. Kirtane.

Carniocrpography ... .. Dr. M.V. Kirtane.

Presented at the 6th International Congress of the Neuro Equilibriometric Society at Turkum, Finlandin June 1979.

Voluntary Nystagnus... Dr. M.V. Kirtane. Dr. P.P. Karnik. Dr. K.S. Tonsekar.

Papers read at Staff Society meeting December 1979 ,

The fibro-optic laryngoscopy ... Dr. K.L. Shah. Dr. M.V. Inge. Dr. S.S. Rege.

Newer investigation Techniques in Vertigo patients ... Dr. M.V. Kirtane.

Papers Read at 2nd Neuro Equilibriometric Society conference at Chandigarh in November 1979.

Vestibular-spinal testing by craniocrpography... Dr. M.V. Kirtane. Dr. P.P. Karnik.

Dr. B. Jobanputra. Dr. K. S. Tonsekar.

Butterfly vestibulometry ... .. Dr. M.V. Kirtane.

E.N.G. Findings after head injury ... Dr. M.V. Kirtane. Dr. P. P. Karnik.

Dr. S. Medikeri.

Papers presented at the 28th National Anatomical Conference' at the J. I. Hospital in December 1979.

The internal auditory canal Dr. M.V. Kirtane. Dr. P.P. Karnik. Dr. S.B. Salvi.

The trans nasal vidian nerve section Dr. Rajaram. Dr. M.V. Kirtane. Dr. V.S. Prabhu.  
Dr. P.P. Karnik.

Dr. M.V. Kirtane was invited a faculty member for the first course on otoneurology at the post graduate Institute of Medical Education and Research at Chandigarh in November 1979.

Dr. P.P. Karnik participated in a symposium on 'Headache' at the annual conference of the International College of Surgeons in Goa in September 1979.

Dr. K.L. Shah participated as faculty member for the 'Advanced laryngology Course' held at A.I.I.M.S. New Delhi, November 1979.

#### APPENDIX IX.

#### PROJECTS INVESTIGATIONS AND TESTS

##### Department of Obstetrics and Gynaecology :

Rh Immunoglobulin Injection Trial in Rh Neg. Women	...	...	105
A new Serological Technique for early diagnosis of ABO in Compatibility in new borns	...	...	400
Fetomaternal Hemorrhage Study	...	...	297
Reserve Albumin Binding capacity in neonates by HABA	...	...	127
Amniotic fluid study for Fetal maturity,			
(i) Nile Blue Test	...	...	76
(ii) Shake Test	...	...	76
(iii) Spectrophotometry	...	...	76
(iv) Creatinine	...	...	76
Spectrophotometric Analysis of Liquor Amnii for Diagnosis of Fetal distress, Apgar score studies and Follow-up of Neonates	...	...	27
Study of Morning Sample Urinary estrogen Creatinine ratio in H.R.P.	...	...	206
(1) Hormone Assays ; Oestrogens	...	...	81
(i) Various Gynaec Encocrine cases pregnandioid oestrogens	...	...	77
(ii) Oxytocinase (Placental Enzyme Assay),			
(i) Normal Pregnancy	...	...	...
(ii) Serial Serum Oxytocinase in MTP cases using variety of Methods of Abortions	...	...	412

##### Reports Submitted :

(1) Study of Neonatal Jaundice Cases (A Research Society Project K.E.M. Hospital) S.V. Ramanand, A. Chari, S.F. Irani and V.N. Purandare.

(2) Urinary estrogen and Creatinine Ratio in H.R.P. (Report submitted to Research Society, K.E.M. Hospital).

##### Hematology Department :

- (1) Comparison of Iberol and Dumasule in the treatment of Iron deficiency anemia.
- (2) Availability of B-12 and folate from Parenteral injection when given with or without Iron.
- (3) Coagulation studies in a viral hepatitis.
- (4) Alteration in Haem-Synthesis in cases of thalassemia by estimating ALA in Blood.
- (5) Acid elution test in detection of thalassemia trait.
- (6) Effect of Nutritional deficiency (mainly Iron) on abnormal Hbs.
- (7) Effect of Megaloblastic anemia on HbA2 level.

- (8) Abnormal Hbs in leukemia.
- (9) Effect of Iron deficiency on cardiac function as assessed by stress test.
- (10) B-12 absorption study in cases of Megaloblastic anemia.
- (11) Causes of Iron deficiency and Megaloblastic anemia in Indian population (Study of Bio-availability of heamintics from food articles).
- (12) Iron absorption studies in iron deficient patients.
- (13) Platelet function studies in purpuric disorders.
- (14) Coagulation studies in septicemia.
- (15) Coagulation studies in pancreatitis in an exp. model.

**Anatomy Department :**

(1) Time, uncertainty, relativity and normality in Modern Medicine Dr. Lopa A. Mehta, Dr. M. K. 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.

(4) Bone and joint manifestations of guinea worm infestation.

**Molecular Biology Cell :**

The following projects were carried out in the department,—

- (1) Studies on incidence of a typical mycobacteria and drug resistance in tuberculosis lymphadenopathy.
- (2) Effect of combination of drugs on resistant strains of PS aeruginosa.
- (3) Effect of drugs in combination with Ascorbic acid on resistant organisms.
- (4) Bacteriology of Urinary tract infection in Diabetic cases.
- (5) Respiratory infection in Tracheotomized patients.
- (6) Microbial transformation of antibiotics with special reference to aminoglycosides.
- (7) Genetic studies in mycobacteria.
- (8) Transcription study in Salmonella.
- (9) A study of bacterial infection in neonatal cases.
- (10) Study of antistreptolysin O titres in normal individuals.
- (11) Effect of blood plasma on different drugs with reference to antibiotic Sensitivity of micro-organisms.

(12) Research on Advance studies on streptococcal work.

(13) Grouping and typing of streptococcal isolates from school children.

(14) Preparation of SLO antigen.

(15) Factors affecting drug resistance of uropathogens.

**Department of Pharmacology :**

Clinical Projects—

- (1) Clinical trial of indigenous drugs for piles.
- (2) Trimethoprim Sulfadiazine combination in respiratory and urinary tract infections.
- (3) Oxytetracycline and doxycycline pharmacokinetics.
- (4) Effect of diet on  $\alpha$ -methyl dopa pharmacokinetics and pharmacodynamics.
- (5) Effect of food on bioavailability of drugs.
- (6) Analgesic effect of epidural morphine in patients.
- (7) Platelet aggregation in diabetes mellitus.
- (8) Effect of nonsteroidal anti-inflammatory agents on urine output and prostaglandin synthesis.
- (9) Pharmacokinetic studies of RH-8.

- (10) Effect of anemia on drug metabolism.
- (11) Drug hormone interactions.
- (12) Drug absorption in giardiasis.
- (13) Effect of Vitamin 'C' on platelet functions.
- (14) Bioavailability of chloramphenicol and furazolidone.
- (15) Effect of propranolol on platelet aggregation.
- (16) Evaluation of sense of taste in normal and cirrhotic individuals.

**Work load of Clinical Psychologist :**

Tests		
(1) Rorschach	...	1,387
(2) M.M.P.I.	...	494
(3) Iq+Sq	...	1,108
(4) TAT and CAT	...	125
(5) B.G. and W.M.S.	...	368
(6) Miscellaneous (E.P.I., TMAS, BPRS, H.A.R.S., H.R.S. for 246 dep. HOQ)	...	192

**APPENDIX X**

**List of Operations Performed in the Cardio Vascular and Thoracic Operation Theatre :—**

1. Mitral Valve Replacement	...	125
2. Aortic Valve Replacement	...	73
3. Aortic and Mitral Valve Replacements	...	05
4. A. V. Replacement with Valve Replacements	...	20
5. M.V. Replacement with Closure of A.S.D.	...	01
6. Closure of A.S.D.	...	93
7. Mitral Commissurotomy	...	65
8. Pericardiectomy	...	05
9. Division of patent Ductus	...	29
10. Closure of V.S.D.	...	30
11. Pulmonary Valvotomy	...	07
12. Mitral & Tricuspid Valve Replacement	...	01
13. Aortic & Mitral & Tricuspid Valve Replacement	...	08
14. Total Correction of Tetralogy of Fallot	...	40
15. Pneumectomy	...	19
16. Lobectomy	...	21
17. A.V. Shunt	...	06
18. Lumbar Sympathectomy	...	04
19. Excision Mediasternal Tumour	...	01
20. Lung Biopsy	...	15
21. B.T. Shunt	...	16
22. Bronchoscopy	...	28
23. Open Heart	...	55
24. Closed Mitral Commissurotomy	...	199
25. Secondary Suturing	...	13
26. Division of P.D.A.	...	25
27. T. V. Mitral Valvotomy	...	75
<b>Total</b>	<b>...</b>	<b>979</b>



## APPENDIX XI

Serial No.	Name of the Department	Actual Patients for the year 1978-79	B. E. patients for the year 1979-80	Total No. of patients treated in 1979-80		
				Out-door Patients	Indoor Patients	Total Patients
1	2	3	4	5	6	7
1	Medicines	75,145	77,000	54,752	14,909	69,661
2	Surgical	49,862	51,000	35,317	9,997	45,314
3	Obst. & Gynaec.	32,321	35,000	25,702	8,652	29,354
4	Paed. Medical & Surgical	26,023	28,000	16,196	6,876	23,072
5	Premature Baby Ward	365	400	...	486	486
6	Radiology (X-rays)	1,31,697	1,36,700	2,65,123	...	2,65,123
7	Pathology & Bact. (tests)	6,45,130	7,00,000	6,80,060	...	6,80,060
8	Casualty	93,287	96,000	92,773	...	92,773
9	Orthopaedic	38,962	40,800	35,672	4,643	40,315
10	Ear, Nose & Throat Department	26,819	27,900	26,519	2,300	28,819
11	Ophthalmic	26,585	27,200	23,902	1,789	25,691
12	Skin & Venereology	38,329	42,000	35,132	475	35,607
13	Blood Bank (Donors)	9,090	9,200	4,357	4,032	8,389
14	Gastro Entrology	338	700	199	...	199
15	Neurology Department	2,359	2,600	1,743	452	2,195
16	Urology Department	1,203	2,500	639	337	976
17	Speech Department	234	300	267	...	267
18	Audiology	3,530	4,000	3,704	...	3,704
19	Psychology	9,194	11,000	7,769	1,063	8,832
20	Biochemistry investigation	2,45,987	2,58,300	2,51,970	...	2,51,970
21	Intensive Care Unit	5,570	6,000	4,087	1,090	5,177
22	Pharmacy Department-I.V. Bottles	2,79,350	3,00,000	...	2,87,424	2,87,424
23	Occupational Therapy No. of treatments given.	13,235	15,000	14,875	...	14,875
24	Physio Therapy	24,782	25,000	24,874	...	24,874
25	Immunization Centre	...	Reflected in Medicine Department	...	...	...
26	Mobile Health Unit	...	No such unit in existence in this Institute.	...	...	...
27	Dental Clinic	17,186	19,000	15,333	...	15,333
28	Neuro Surgery	697	1,500	1,968	660	2,628
29	Observation of T.B. Cases	...	Reflected in Medicine Department.	...	...	...
30	Plastic Surgery	1,190	1,700	648	495	1,143
31	Cardiology	3,874	5,000	3,481	369	3,850
32	Asthama	2,933	3,700	2,044	795	2,839
33	Diabetic	2,033	2,500	2,626	164	2,790
34	Haematology	252	500	59	236	295
35	Endocrenology	694	1,000	601	49	650
36	Artificial Kidney Department	137	200	...	141	141
37	Epilepsy	1,437	1,900	1,625	...	1,625
38	Dispensary Service	3,293	4,100	1,512	...	1,512
39	Chest Clinic	2,186	2,700	2,429	...	2,429
40	Artheritis Clinic	79	250	374	521	895
41	Vascular Clinic	...	Reflected in Thoracic Surgery.	...	...	...
42	Sports Clinic	190	250	340	...	340
43	Evening Dispensary (Munl. Staff)	80	100	96	...	96
44	Thoracic Surgery	2,655	2,700	2,021	764	2,585
<b>Total</b>		<b>16,26,425</b>	<b>18,56,150</b>	<b>14,70,813</b>	<b>3,45,444</b>	<b>18,16,257</b>

Total No. of Inpatient days. 5,30,228 6,00,000 6,29,195

The total Nos. of Patients' operations Major: 15,944 and Minor 37,403 are reflected in the departments mentioned during the year 1979-80.

**Bai Yamunabai L. Nair Charitable Hospital**  
&  
**Topiwala National Medical College**

**HIGH LIGHT :—****Hospital :—**

	Rs.
(1) Total expenditure including liabilities ... ..	3,12,40,972.00
(2) Donations received ... ..	...
(3) Amount collected from boxes ... ..	...
(4) Amount spent from the fund for the poor patients ... ..	2,64,809.00

**Indoor Patients :—**

Beds ... 830	In-patients ... 45,070	
Daily average number of patients ... ..		1,090.36
Highest number of Inpatients on a single day ... ..		1,250.00
Highest number of Admission on a single day ... ..		172.00
Number of patients discharged during the year, including 1169 brought from the previous year ... ..		42,230.00
Cured ... ..		17,082.00
Otherwise ... ..		25,148.00

**Deaths :—**

	2125
Within 24 hours of admission ... ..	705
After 24 hours but within 72 hours of admission ... ..	603
Exceeding 3 days ... ..	817
<b>Total</b> ... ..	<b>2125</b>

**Operations :—**

Indoor patients ... ..	10,442
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**Autopsies :—**

Post-mortem done ... ..	1,221
Average stay of patient ... ..	9 days.

**Deliveries :—**

(1) Confinements ... ..	2752
(2) Deliveries ... ..	2313
(3) Maternal deaths ... ..	10
(4) Medical termination of pregnancy ... ..	935
(5) Sterilization (Female) ... ..	454
(6) Sterilization (Male) ... ..	25
(7) Baby deaths ... ..	163
(8) Baby still-births ... ..	93
Average cost per in-patient ... ..	Rs. 51.42
Average cost per out-patient ... ..	Rs. 8.74

**Out Patient Department :—**

(1) O. P. D. attendance ... ..	932495
(2) Daily average O. P. D. new attendance ... ..	891.85
(3) Casualty attendance ... ..	25855
(4) Daily O. P. D. attendance (Old and New) ... ..	3,047.37
(5) Highest No. of attendance on a single day ... ..	3635

**Court Cases Attended by R. M. O.s :—**

(1) Presidency Magistrate's Court ... ..	215
(2) Sessions Court ... ..	80
(3) Motor Accident Tribunal ... ..	35

**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 were taken the advantage of the paying beds during the year 1979.



**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 :—**

Department of Surgery consists of 3 full-time and 3 part-time units.

**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 Pediatrics continued to work with one full-time unit and one part-time unit.

**INDOOR SERVICES :—**

Paediatric Ward : Bed strength	...	51
Total admission	...	4648
Total deaths	...	218

Intensive pediatric care unit : Bed strength (6 including 2 incubators).

Total admission	...	391
Total deaths	...	156

Neonatal Ward : Bed strength	...	55
Fullterm deliveries	...	2755
Deaths	...	84

During the year 372 sick neonates were transferred from peripheral hospitals. Of these 120 neonates died.

Premature Nursery : Bed strength	...	6
Total admission	...	195

Recreation Therapy Centre : All the ambulatory patients from the paediatric Ward are sent to the Centre.

Total No. attended : 1561.

**O. P. D. Services :—**

The paediatric O. P. D.'s conducted on all working days of the week

Total new cases ... 27316

Old cases ... 1,20,000 approx.

Special Care O. P. D. conducted thrice a week.

Total patients visits ... 523

Neonatal O. P. D. : Conducted twice a week. No. of Neonates followed 1360.

School Clinic : Works for 5 days in a week.

	New Cases	Old Cases	Total
Primary	... 2,008	12,828	14,836
Secondary	... 160	503	663

**Peripheral Activities :—**

Diagnostic Centre : Conducted twice a week in the afternoon at Soutter Street.

New Cases	...	106	Old Cases	...	423
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<b>Child guidance clinic :</b> Conducted on all week days at Soutter Street.			
New Cases	... 375	Old Cases	245
			Total ... 620
<b>Child Welfare Centre ; At Bellasis Road.</b>			
(1) Clinic attendance		(2) Home visits	... 764
Infants	... 448	(3) No. of education classes	... 66
Toddler	... 908	(4) Nutrition classes	... 27
Other	... 1086	(5) Milk distribution (Children daily)	... 45-50
(6) Referred cases		(7) Student nurses	... 68
(8) Oral polio		(9) Triple antigen	... 1466
<b>Victoria Paediatric Centre :—</b>			
Clinic attendance : Infants	... 134	Other visits	... 184
Toddlers	... 300		

**Kasturba Hospital :—**

Dr. (Mrs.) P. M. Pai, Professor and Head, Department of Paediatrics continues 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.

D. 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	... 4430	Orthopaedic Surgery	... 1419
Cardiac Surgery	... 341	Ophthalmic Surgery	... 140
Obstetrics & Gynaec.	... 1197	E. N. T. Surgery	... 2083
Neurosurgery	... 232	Psychiatry (E. C. T.'s)	... 10845
Radiology	... 208	Ward Calls.	... 1090
			Approx.
Kasturba Hospital			
Peritoneoscopy (Stand by):	240		

**NO. OF CANDIDATES FOR EXAMINATIONS :—**

D. A.—10    100    Result.

M. D.— 6    100    Result.

**6. DEPARTMENT OF NEUROLOGY :—**

The O. P. D. functions twice a week on Tuesday & Thursday.

<b>Case work load.</b>		<b>Special procedures etc.</b>	
New cases	... 862	E. E. G.	... 375
Referred Cases	... 448	Mycelograms.	... 17
Old cases.	... 1944	Carotid Angiograms	... 175
Admissions	... 380	P. E. G.	... 18
		Orbital Venograms	... 4
		Tcmograms	... 26
		V. B. Angiograms	... 3
		Arch Aortograms	... 6
		ECHO	... 122

**Visits:**

The following visitors visited Neurology Department.

1. Prof. John H. Henderson, Regional Director, World Health Organization, New Delhi.
2. Prof. Marcus J. Furrer, Consultant, National Institute of Handicapped Research (NIHR), Dept., of Health, Education & welfare, Washington, USA.

Dr. (Mrs.) P. U. Shah, Asstt. Hon. Neurophysician, visited for 3 months (July, August and September 1979) to National Hospital for Nervous Diseases, Queen Square, London, U. K. to study further in Electroencephalography with Dr. W. A. Jobb and spent remaining time in Clinical Neurology with Prof. Marshall.

**Special Awards and Honours :**

1. All India Co-ordinator for ICMR Multicentre Study on "Strokes in the Youth" in India
2. Special Invite to International Symposium on Cerebral Circulation, Toulouse, France, in September, 1979.
3. As a Member of W. H. O. Commission on Neurosciences" Dr. Dalal visited to world Health Organization, Geneva, Switzerland, in September 1979.

**Special Project :**

Sanction and budget allotment from Special Fund of DST (Department of Science & Technology), Government of India, and ICMR (Indian Council of Medical Research), New Delhi, for the new scheme entitled, "A Collaborative Study on (i) Stroke and (ii) Ischaemic Heart Disease in Young subjects in India—A clinical, biochemical, haematological, radiological and pathological study—Neurology centre under Dr. P. M. Dalal, Department of Neurology and Neurosciences T. N. Medical College and B. Y. L. Nair Ch. Hospital, Bombay.

**7. DEPARTMENT OF NEUROSURGERY :**

The O. P. D. functions twice a week Tuesday and Thursday.

**Surgery :**

Total No. of Operations	...	...	...	...	...	340
Emergency	...	181	Major	...	215	...
Routine	...	159	Minor	...	125	...
1. Craniotomy	...	...	...	...	...	80
Supratentorial	...	65	Tumours	...	45	...
Post Fossa	...	15	Trauma	...	23	...
			Abscesses	...	5	...
			Infarct	...	3	...
			Other	...	4	...
2. Spinal	...	...	...	...	...	63
3. V. A. Shunts	...	...	...	...	...	37
4. Others	...	...	...	...	...	168
<b>Neuroradiological Investigations :</b>						
1. Carotid Angiogram	...	...	...	...	...	110
2. Myodil Ventriculogram	...	...	...	...	...	63
3. Conray Ventriculogram	...	...	...	...	...	3
4. Air Ventriculogram	...	...	...	...	...	5
5. P. E. G.	...	...	...	...	...	5
6. Myelogram	...	...	...	...	...	24
7. Alcohol Block for Trigeminal	...	...	...	...	...	5
					<b>Total</b>	<b>215</b>
Total O. P. D. Attendance	...	...	...	...	...	1337
Total Indoor Admissions	...	...	...	...	...	321

## 8. GASTROENTEROLOGY DEPARTMENT (Medical) :

The O. P. D. departments functions twice a week. During the year 1157 out-patients and 787 Indoor patients have been attended. 3580 patients were asked to attend for regular follow up.

## Routine Investigations :

C. B. C.	...	784	E. S. R.	...	649
Urine	...	822	Stool	...	935

## Biochemistry Investigations :

L. F. T.	...	887	Serum Protein	...	69
Serum Electrolyte	...	47	Serum Bilirubin	...	76
B. S. P.	...	193	Serum Amylase <i>plus</i>		
P. T. P. I.	...	271	Ascitic Fluid Amylase	...	31
Blood Sugar	...	289	B. U. N.	...	184
G. T. C.	...	29	Serum Uric Acid	...	11
Serum Cholesterol	...	27	Serum Calcium	...	44
Serum Phosphorus	...	44			

## Special Investigations :

Augmented Histamine Test	105	Oesophagogaastro Duodenoscopy	153
Sigmoidoscopy	376	Peritoneoscopy	104
Liver Biopsy	108	Gastric Biopsy	110
Rectal Biopsy	51	Oesophageal Biopsy	5
Jejunal Biopsy	28	Colon Biopsy	8

## Absorption Studies etc. :-

(1) Intra Gastric Titration with spices in control and duodenal ulcer patients.	...	228
(2) Deoxyribonucleic Acid (DNA) Estimation in control and duodenal ulcer patients		130
(3) Serum Protein Electrophoresis.	...	400
(4) Bile collection	...	20
(5) D-xylose	...	60
(6) Faecal, Fat Estimation.	...	60
(7) Schilling Test	...	60
(8) Intra Gastric pH. Estimation in duodenal ulcer patients before and after polvrol forte tablets.	...	50
(9) Australia antigen Estimation by counter Electrophoreses Method in serum.	...	400

## 10. DEPARTMENT OF CARDIOLOGY :-

## 1. Electrocardiograms taken during the year 1979 according to disease wise.

Diseases	Total	Diseases	Total
Coronary Thrombosis	1252	Hypertension	1248
Mitral Diseases	217	Auricular Fibrillation	79
C. C. F.	135	Cor Pulmonale	83
Angina Pectoris	103	Aortic Stenosis	96
Rheumatic Disease	107	Anaemia	50
Myocarditis	23	Pericarditis	18
A. S. D.	84	V. S. D.	96
P. D. A.	18	Fallot's Tetralogy	10
Heart Block	515	Diabetes	348
Pulmonary Stenosis	71	I. H. D.	692
Normal	3638	Pain in chest	303
Miscellaneous	8656	Dextrocardia	15

## 2. Other investigations done in year 1979.

Echocardiograms	819	Cardiac Catheterisation	126
Treadmill Exercise test	67	Master's test	20
Vector-cardiogram	...	Vector-cardiogram's	134
Phono-cardiogram	10	Oximeter Blood Test	732
Myocardial Infarction follow up patients	550		
Vector Cardiogram	...		
Elektor Cardiogram	134		

**11. RENAL MEDICAL UNIT :**

O. P. D.'s are conducted on Wednesdays and Saturdays. 168 new patients were seen in the Clinic during the reporting period. Carried out peritoneal dialysis in acute and chronic renal failure patients, managed most of the grossly imbalanced fluid and electrolyses problems. Peritoneal dialysis was done in 50 cases.

**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. 118 new patients were seen in the clinic.

**14. PLASTIC SURGERY :**

The O. P. D. was conducted every Wednesday and Friday and a total of 645 new cases were seen. In addit on 1970-80 patients are seen every week for follow-up treatment. Full documentations and records are maintained in all cases.

During the year 450 cases were admitted for surgery and a total number of 531 operation were performed. 165 emergency Plastic Surgery operations were done during the year, particularly those of the face and hands.

**15. DEPARTMENT OF PAEDIATRIC SURGERY :**

The Paediatric Surgery clinic is conducted on Tuesdays and Fridays from 11.30 a. m. onwards.

Total No. of Operation : 285

**(a) Major Operations : 41**

(1) Post Ur. valve. ....	1
(2) Modified Tanner operation. ....	1
(3) Pnemister operation ...	1
(4) Splenectomy with repair of diaphragmatic tears. ....	1
(5) Exploratory Laparotomy. ....	18
(6) Levatoroplasty ...	1
(7) Meningocele. ....	3
(8) Int. Jugular Cutdown ...	1
(9) Amputation Forearm ...	1
(10) Orchiopexy ...	2
(11) Nephrectomy ...	3
(12) Repair Diaphragmatic Hernia. ....	1
(13) Ureteroplasty ...	1
(14) Pneumonectomy ...	1
(15) Hemicolectomy ...	1
(16) Lymphangioma ...	3
(17) Suprapubic Cystolithotomy ...	1
<b>Total</b> ...	<b>41</b>

**(b) Minor cases : 244.****Kasturba Hospital:**

Total No. of operations ...	18
Major ...	17
Exploratory Laparotomy ...	1

**16. ENDOCRINOLOGY DEPARTMENT :**

Monday and Friday afternoons 2-00 to 4-00 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 ... 2067  
New: 576 (Male—241 & Female—335). Old ... 149

Total No. of patient's samples collected :—  
Urine—451. Blood—1878. Semen ... 279

Total No. of Laboratory tests done during the year :—

1. Creatinine ... 451	2. Urinary Gonadotrophin ... 35
3. Urinary 17 Ketosteroids ... 48	4. Urinary 17 Ketogenicsteroids ... 36
5. Urinary Estrone ... 266	6. Urinary Pregnandiol ... 22
7. Urinary Pregnancy tests ... 87	8. Pregnanetriol ... 10



**Blood :**

1. Radioimmunoassay for F S H.	...	1698		
2. Radioimmunoassay for L H	...	2293		
3. Radioimmunoassay for Prolactin.	...	1009		
4. Radioimmunoassay for testosterone	...	248		
5. Radioimmunoassay for G H	...	186		
6. Radioimmunoassay for T S H.	...	186		
7. Plasma Receptor test for H C G	...	210		
8. Blood-Lipids-Cholesterol	...	58		
Triglycerides	...	18		
Esterified fatty acids	...	18		
Free fatty acids	...	18		
Blood sugar	...	89		
Blood urea	...	17		
Haemag am	...	25		
9. Blood : Liver function tests.				
S. G. O. T.	...	32		
S. G. P. T.	...	32		
Proteins	...	27		
Alkaline Phosphatase	...	24		
Albi Globulin	...	27		
Bilirubin	...	17		
10. Plasma Cortisol	...	200		
11. Protein Bound Iodine in Blood	...	100		
12. Routine urine	...	16		
Urine sugar	...	105		
13. Sex Chromatin				
Oral : 114				
Blood : 114				
Semen Analysis	... 279		Count and motility	... 279
Supra Vital staining	... 279		Glycero Phosphroyl Choline	230
Fructose.	... 164		Citric Acid.	46

**HISTOPATHOLOGY :**

Endometrium & Ovaries	... 57	Testis	... 32
Epididymal Biopsies	... 17	Vaginal smears	... 112

**HISTOCHEMISTRY IN RAT TISSUES WITH INTRAVAS DEVICE :**

S. D. H.	... 12	Acid PO4	... 12
Alk. PO4	... 12	Elycogen	... 12

**SPERM AGGLUTINATION TEST :**

1. Maintenance & Breeding of Rodents Colony.		
2. Use of rats and mice for Bioassays.		
Rats.	—425.	
Mice.	—245.	
3. Animals supplied to other departments.		
Rats.	—164.	
Mice.	—25.	

**17. AUDIOLOGY AND SPEECH THERAPY SCHOOL :****(1) Academic :**

9 students were admitted in F. Y. B. Sc. (Audiology & Speech Therapy) class. Out of 11 students who had appeared for IInd year B. Sc. (AST) examination. 11 have passed. Result was 100% per cent Out of 15 students who had appeared for F. Y. B. Sc. (AST) examination 12 have passed. Result was 80 per cent.

**Clinical :**

2975 number of cases were seen as per statement attached.

During 1978, 83 hearing aids were issued free of cost to needy patients under Indo-Danish Project. During the year, 305 earmoulds were issued to patient. The poor patients were also supplied free of cost so that they can use the hearing aids to the maximum extent.

**(3) Report of classes of Deaf Children :**

The school reopened on 11th June 1979. The opening ceremony of a new class at the Matungas Municipal School was held on the 30th of June 1979. Few new children of the age range 3--6 year

The total number of classes at present is 8.

Nana Chowk	...	4
Agripada	...	3
Matunga	...	1

(4) Activities :

The school celebrated its Annual Week from 26th of November 1979 to 6th December 1979. The competitions held were as follows :—

Elocution competition	...	...	...	27th Nov.
Drawing and Hand writing	...	...	...	28th Nov.
Sports	...	...	...	6th Dec.

(5) Education :

Five students from the Marathi medium were integrated in normal school, 1st Std. Thus taking the number of integrated children in Marathi medium to — 15.

Std. I	...	...	...	5
Std. II	...	...	...	5
Std. III	...	...	...	1
Std. IV	...	...	...	4

In August 1979 children from Hindi medium were integrated in normal school.

Std. I	...	...	...	4
Std. II	...	...	...	5
Std. V	...	...	...	2
Std. VI	...	...	...	1

Now the total number of integrated children from Hindi medium is 12.

Dr. V. H. Oswal Otolaryngologist from United Kingdom visited in the dept., and gave a talk on 29-9-79 on "Total Rehabilitation of the Adult Deaf."

18. PREVENTIVE AND SOCIAL MEDICINES :—

Home Medical Care :—

This was continued in 1979. In this year Physiotherapy was also continued.

The following is the record for 1979 :—

No. of patients carried forward from previous year	...	...	...	4
No. of patients enrolled in 1978	...	...	...	2
No. of visiting days	...	...	...	28
Total number of visits	...	...	...	168
Average No. of visits per visiting days	...	...	...	6.00

B. C. G. Vaccination :—

B. C. G. vaccination was carried out, 1179 neonates and 1246 paediatric patients including the school clinic patients were vaccinated.

Health Supervision of School Children :—

Medical inspection of School children belonging to Std. I to VIII at Agripada School was continued and 1276 children were examined during the year 1979. Medical inspection of school children belonging to 1st Std. at Caretha Camp school was carried out. 483 students of Urdu School and 502 students of Tamil School were examined in 1979 (Total 2261 children were examined) 420 students at Caretha Camp School were immunised with oral Polio vaccination and 420 students were given D. T. vaccine.

Immunisation Centre :—

This Centre is run twice a day, in Morning and afternoon. From January 1979 to December 1979, 2999 children were vaccinated with Polio Vaccine. 2352 children given triple vaccine, 364 children were given D. T. vaccine, 194 children were given T. A. B. C. vaccine.

**School Services :****Community Visits :**

M.P. Mill Chawls	...	...	...	...	...	799
M.P. Mill Zopadpatti	...	...	...	...	...	798
Cheetah Camp	...	...	...	...	...	1481
Deonar	...	...	...	...	...	3,060
Collatral contacts for Communities	...	...	...	...	...	200
Health talks	...	...	...	...	...	170

Apart from these routine visits and activities the following help was given to the patients and families from the community and special activities were arranged.

**M.P. Mill Chawls :**

(A) (i) Nutritional Aid to children	...	...	...	...	...	11
(ii) Nutritional Aid to Adults and their families	...	...	...	...	...	60
(iii) Appliances	...	...	...	...	...	4
(B) Economic aid in terms of cash, ration, etc.	...	...	...	...	...	7
(C) Clothes, School fees, Books, etc.	...	...	...	...	...	...
(D) Employment	...	...	...	...	...	3
(E) Ref. and follow-up in Hospital	...	...	...	...	...	486
(F) Family planning—Sterilization	...	...	...	...	W-16 M-4	...
M.T.P.	...	...	...	...	...	32
Pills, etc.	...	...	...	...	...	2
(G) Case-work	...	...	...	...	...	60

This year special emphasis was put on Nutrition and Early detection of illness. In this context we arranged 11 demonstration of Nutrition, Balanced Diet for adults and children. Cancer check-up programme was started in 1978 and continued. This year 42 women got themselves checked up at Ruparel Medical Centre. Three of them were sent to Tata Memorial Hospital for further check up. One was operated for Ca Breast. All the women are willing and going for follow-up. Similarly a beginning has been made for early detection of hypertension, Diabetes and Tuberculosis and will continue in 1980.

An exhibition of handicrafts particularly by the teenagers along with Health Exhibition and a Haldi Kunku function of the women, was arranged to ensure participation of Teenagers in Health Education Group work amongst the Teenagers continues.

A well Baby show was arranged in which 105 children from the community participated.

**Bhauasaheb Hire High School :**

Children from M.P. Mill Zopadpatti and M.P. Mill Chawls from the majority of B.H.H. School Students. Students needing help and having social problems were always referred to MSW. This year a systematic sponsorship programme for students was started and received great support from donors and well wishers. The following help has been given to the students.

(1) Social problem and Case-work (Counselling)	...	...	...	...	20
(2) Spectacles	...	...	...	...	5
(3) Clothes and uniform	...	...	...	...	40
(4) Books and Note Books	...	...	...	...	9
(5) Fees	...	...	...	...	6
(6) Supplementary Nutrition	...	...	...	...	7
(7) Educational as well as all other help	...	...	...	...	49

**M.P. Mill Zopadpatti :**

(A) (i) Nutritional Aid to Children	...	...	...	...	15 families.
(ii) Nutritional Aid to adult patients and their families	...	...	...	...	91
(B) Economic aid in terms of cash, ration, etc.	...	...	...	...	7
(C) Clothes, School fees Books, etc.	...	...	...	...	24
(D) Employment	...	...	...	...	2
(E) Family planning M.T.P. with sterilization	...	...	...	...	10
(F) Referred, follow-up to hospital	...	...	...	...	50

Nutritional demonstrations and classes were organised with the help of other agencies. The community participated in Health Education group talks in the community.

**Cheetah Camp :**

(A) (1) Nutritional aid to Adult and their families	...	...	...	...	...	...	...	...	...	3
(2) Calipus	...	...	...	...	...	...	...	...	...	9
(B) Economic aid in terms of cash, ration etc.	...	...	...	...	...	...	...	...	...	3
(C) Clothes School fees, Books, etc.	...	...	...	...	...	...	...	...	...	...
(D) Employment	...	...	...	...	...	...	...	...	...	3
(E) Family Planning—(i) Sterilization	...	...	...	...	...	...	...	...	...	...
(ii) Pills	...	...	...	...	...	...	...	...	...	15 women
(iii) Loops, etc.	...	...	...	...	...	...	...	...	...	2
(iv) M.T.P.	...	...	...	...	...	...	...	...	...	2
(F) Referrals and follow up in Hospital	...	...	...	...	...	...	...	...	...	58
(G) Case work	...	...	...	...	...	...	...	...	...	25

Health exhibition was arranged twice during this year and was well attended by children school children and other people from the community.

A special programme of day camp for 6 days was organised in co-operation with NSS students and Tata Institute of Social Sciences. It involved sports, recreational activities, Health Education talks, exhibition and survey of school drop outs. The people from community, School Teacher or principal participated enthusiastically and this would serve as a stepping stone for activities for school drop outs and other social educational activities.

One of the greatest felt needs of the community being a Balwadi for children the MSW enlisted the help of the community, leaders, donors and well wishers to make a beginning of this project, through group and individual meetings. A Balwadi will be started early in 1980.

Nutritional aid and tonics were received from Glaxo for malnourished children. A special group of mothers of malnourished children was organised to give them better understanding of the needs of children and good nutrition for the child.

A healthy child show was arranged in which 45 children took part.

**Deonar :**

(A) Nutrition aid to children	...	...	...	...	...	...	...	...	...	20
(B) Economic aid in terms of cash, ration etc.	...	...	...	...	...	...	...	...	...	3
(C) Clothes	...	...	...	...	...	...	...	...	...	200
(D) Family Planning M.T.P.	...	...	...	...	...	...	...	...	...	2
(E) Referral and follow up in hospitals	...	...	...	...	...	...	...	...	...	14
(F) Case work	...	...	...	...	...	...	...	...	...	34

Community organisation in Baiganawadi and Deonar received impetus by the appointment of a male MSW who started working with the youths and adult male population of Deonar. NSS students have also started working in Baiganawadi. After a number of group meetings the community has listed their felt needs as work in the following four areas :—

- (A) Environmental sanitation.
- (2) Treatment of T.B. Patients.
- (3) Establishment of a Balwadi and
- (4) A Library.

The MSW with the help of NSS students have started working in these four areas.

**Arthur Road :**

Arthur Road community was restarted.

(1) Nutritional aid to patients	...	...	...	...	...	...	...	...	...	21
(2) Case work	...	...	...	...	...	...	...	...	...	5
(3) School Fees	...	...	...	...	...	...	...	...	...	1

Data on the present socio-economic status, problems of the community is being collected.



## 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	
	Primary	Secondary	Primary	Secondary	Primary	Secondary
Medical	12,828	503	2,024	160	14,852	663
Ophthalmic	3,238	107	294	59	3,532	166
Aural	3,082	20	163	7	3,245	30
<b>Total</b>	<b>19,148</b>	<b>630</b>	<b>2,481</b>	<b>226</b>	<b>21,629</b>	<b>856</b>

Services	Children	
	Primary	Secondary
Glasses given	53	14
Glasses prescribed	100	25
Operation	2	Nil.
Ref. to Phy. Therapy	2	Nil.
Ref. to Spch. Therapy	1	Nil.
Mastoid Operation	1	Nil.
Accident Cases	1	Nil.
Tonsils Operation	50	Nil.
X-Ray taken	200	15
Other operations	Nil.	Nil.
Hospital Admission	23	1
Appliances given	1	Nil.
Audiogram	15	Nil.
T.B. Cases	134	5

## 21. DEPARTMENT OF OPHTHALMOLOGY (EYE BANK) :—

21 Keratoplasty operations were performed during the year 1979.

	Male	Female	M/Ch.	F/Ch.	Total
New cases	30	4	..	1	35
Admissions	18	3	..	..	21
Operations	18	3	..	..	21

## 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 1979 to December 1979 :—

No. of cases registered :—

New	...	...	...	...	126
Follow-up	..	..	..	..	52

## Age and Sex incidence—

Age				Sex		
0-10 years	...	...	19	Male	...	73
11-20 years	...	...	42	Female	...	47
21-30 years	...	...	41			
31-40 years	...	...	10			
41 and above	...	...	8			

## Mode of Presentation :—

(1) Devaction (obvious) above	...	...	...	...	50
(2) Visual discomfort—					
(i) Near vision difficulty alone	...	...	...	...	10
(ii) Distant vision difficulty <i>plus</i> Dev.	...	...	...	...	35
(iii) Eye strain alone	...	...	...	...	15
(iv) Discomfort with previous spectacle correction	..	..	...	...	10

## Precipitating factors for deviation :—

(1) Fever (Typhoid, H/o. Small pox in childhood etc.)	...	...	...	...	9
(2) Ocular Injury with Corneal Opacity and complicated Cataract	...	...	...	...	5
(3) Head injury	...	...	...	...	2
(4) T. B.	...	...	...	...	2
(5) Organic lesion of posterior segment choroidities	...	...	...	...	2
(6) No obvious precipitating factor elicited	...	...	...	...	100

## Types of Squint detected :—

## I.—Heterophorias :—

(1) Esophoria	...	...	...	...	7
(2) Exophoria	...	...	...	...	25
(3) Exophoria with convergence insufficiency	...	...	...	...	22

## II.—Heterotropias :—

(1) Convergent	...	...	...	...	21
(2) Divergent	...	...	...	...	41

## III.—Paralytic squint :—

Third nerve palsy	...	...	...	...	1
Sixth nerve palsy	...	...	...	...	3

## Refractive State :—

(1) Exmetropic	...	...	...	...	32
(2) Hypermetropic	...	...	...	...	36
(3) Hypermetropia with Astigmatism	...	...	...	...	20
(4) Myopic	...	...	...	...	17
(5) Myopic astigmatism	...	...	...	...	15

## Types of Convergent squint (Concommittent) :—

I—(1) Alternating	...	...	...	...	13
(2) Unocular	...	...	...	...	8

## II.—Angle of Deviation—

(a) 10—15°	...	...	...	...	8
(b) 16—20°	...	...	...	...	2
(c) 21—25° and more	...	...	...	...	11

<b>Unocular Convergent squint—</b>						
(1) With Eccentric fixation	...	...	...	...	...	6
(2) With fixational recovery	...	...	...	...	...	2
<b>Types of Divergent squint (Concomittent) :—</b>						
L—(1) Alternating	...	...	...	...	...	25
(2) Unocular	...	...	...	...	...	16
<b>II.—Angle of deviation—</b>						
(a) 10—15°	...	...	...	...	...	27
(b) 16—20°	...	...	...	...	...	4
(c) 21—25° and more	...	...	...	...	...	10
<b>Unocular Divergent squint :—</b>						
(1) With eccentric fixation	...	...	...	...	...	8
(2) With fixational recovery	...	...	...	...	...	8
<b>Grade of Binocular function on synoptophore—</b>						
(1) SMP plus F plus S	...	...	...	...	...	82
(2) SMP plus F	...	...	...	...	...	13
(3) SMP	...	...	...	...	...	8
(4) No grade	...	...	...	...	...	17
<b>Ocular Motility—</b>						
(1) Full in all directions of gaze	...	...	...	...	...	103
(2) Restricted	...	...	...	...	...	17
<b>Worth four dot test results—</b>						
(1) Suppression/Diminane	...	...	...	...	...	27
(2) Diplopia	...	...	...	...	...	6
(3) Benocularity	...	...	...	...	...	87
<b>Management—</b>						
(1) Spectacle correction (new or change of old)	...	...	...	...	...	37
(2) Advised contact lenses	...	...	...	...	...	2
(3) Convergence exercises	...	...	...	...	...	22
<b>(4) Surgical correction—</b>						
Performed	...	...	...	...	...	17
Advised	...	...	...	...	...	6
(5) Occlusion	...	...	...	...	...	6
(6) Intermittent phorias (about 5-7°) Vitamins and General Improvement of nutrition	...	...	...	...	...	30
Analysis of the datas of glaucoma clinic of department of Ophthalmology.						
Total number of cases registered from January 1979 to December 1979:—						
New Cases : 82 and follow up : 129.						
<b>Sex :—</b>						
No. of male patients	...	...	...	...	...	54
No. of female patients	...	...	...	...	...	28
<b>Total</b>						<b>82</b>



**Age groups :—**

	Male	Female
Less than 30 years ...	3	...
31—40 years ...	8	5
41—50 years ...	12	7
51—60 years ...	18	9
61—70 years ...	10	5
More than 70 ...	3	2
<b>Total</b> ...	<b>54</b>	<b>28</b>

No. of diabetic patients screened for evidence of glaucoma from January 1979 to December 1979 : 123.

Out of these seven were 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.****Types of glaucoma encountered in our clinic (Presently diagnosed) :****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 ... 27

II. Narrow angle glaucoma with acute attack ... 19

III. Congenital glaucoma ... Nil.

**IV.—Secondary glaucoma :**

(a) Lens induced ... 8

(b) Aphakic glaucoma ... 9

(c) Absolute glaucoma ... 4

(d) Following iridocyclitis ... 7

V.—Unilateral glaucoma ... Nil.

**VI. Glaucoma diagnosed in past and operated in past for the same attending clinic for follow up—**

(a) Iridencleisis ... 5

(b) Scheie's ... 2

VII. Glaucoma suspect ... 1

**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 ... 18

(b) Operated (Antiglaucoma surgery) I.O. Tension not controlled with miotics.

B—Narrow angle operated ... 8

Initially medical line of therapy carried out and surgery advised lost in follow up ... 11

III. In secondary glaucomas lot was controlled with cyclodithermomy or cycloablation of cycloopermy and iridencleisis.

**22. GENITO URINARY :****Surgical Service :**

The following operations were performed in the department of Genito Urinary Surgery during the year 1979.

Total No. of Operations performed	...	...	...	...	341
<b>Kidney :</b>					
Total Nephrectomy	...	...	...	...	7
Partial Nephrectomy	...	...	...	...	1
Nephrolithotomy	...	...	...	...	1
Pyelolithotomy	...	...	...	...	12
<b>Ureter :</b>					
Ureterolithotomy	...	...	...	...	3
Ureteric Implant	...	...	...	...	1
Ureteric Catheterization	...	...	...	...	11
And Ascending pyelography	...	...	...	...	...
Ileal loop conduct	...	...	...	...	1
<b>Bladder :</b>					
Resection of bladder	...	...	...	...	3
Papilloma	...	...	...	...	...
Cystoscopy	...	...	...	...	120
Cystolithotomy	...	...	...	...	12
Cystolithotripsy	...	...	...	...	12
Suprapubic Cystostomy	...	...	...	...	1
Bladder Neck Resections	...	...	...	...	9
Colo Cystoplasty	...	...	...	...	1
Repair of Vesico Vaginal Fistula	...	...	...	...	1
Diverticulectomy	...	...	...	...	1
<b>Prostate :</b>					
Trans Urethral Resection	...	...	...	...	41
Millin's Prostatectomy	...	...	...	...	10
<b>Urethra :</b>					
Post Urethral valve Fulguration	...	...	...	...	2
Urethroplasty	...	...	...	...	4
Urethrolithotomy	...	...	...	...	1
Urethral Dilatation	...	...	...	...	35
Internal Urethrotomy	...	...	...	...	12
<b>Sterility :</b>					
Vaso Vasal Anastomosis	...	...	...	...	4
Vaso Epididymal Anastomosis	...	...	...	...	3
High Ligation of Varicocole	...	...	...	...	6
Testicular Biopsy	...	...	...	...	4
<b>Penis :</b>					
Meatoplasty	...	...	...	...	2
Correction of chordae	...	...	...	...	2
Hypospadias Repair	...	...	...	...	2
Epispadias Repair	...	...	...	...	1
Circumcision	...	...	...	...	22

The new procedure of Internal Urethrotomy using the sasche urethrotome has been performed for the first time and studies being carried out in the treatment of urethral strictures by the method.

**23. THORACIC AND CARDIOVASCULAR SURGERY :**

The O.P.D. is conducted on Monday and Friday. The total number of patients attending O.P.D. during the year 1979 were 1297. The total No. of operative procedures carried out in 1979 were 439.

**Operative Procedures :****(1) Cardiac Operations :**

(1) Open Heart Procedures	...	...	...	...	42
(a) Closure ASD (with mitral commissurotomy in 2)	...	...	...	...	13
(b) Closure VSD	...	...	...	...	3
(c) Total Correction of Fallot's Tetralogy	...	...	...	...	5
(d) Single Ventricle	...	...	...	...	1
(e) Open Mitral Commissurotomy	...	...	...	...	4
(f) Mitral Valve Replacement (in one with closure of ASD)	...	...	...	...	9
(g) Aortic Valve Replacement (in one with mitral commissurotomy)	...	...	...	...	5
(h) Aortic and Mitral Valve Replacement	...	...	...	...	1
(i) Excision (L) atrial myxoma	...	...	...	...	1
(2) Closed Heart Procedures	...	...	...	...	49
(i) Mitral Commissurotomy	...	...	...	...	35
(ii) Implantation of Pacemaker	...	...	...	...	5
(iii) Ligation of PDA	...	...	...	...	6
(iv) Long Preductal Coarctation	...	...	...	...	1
(v) Exploratory Cardiomy (For cardiac catheterization diagnosis of ASD)	...	...	...	...	1
(vi) Pericardiectomy	...	...	...	...	1

(II) Thoracic Procedures	...	...	...	...	...	27
(1) Pneumonectomy	...	...	...	...	...	3
(2) Lobectomy	...	...	...	...	...	6
(3) Resection Ca-oesophagus with oesophago-gastrostomy	...	...	...	...	...	3
(4) Decortication	...	...	...	...	...	5
(5) T.O. Fistula	...	...	...	...	...	2
(6) Thoracotomy with biopsy	...	...	...	...	...	3
(7) Thoracoplasty	...	...	...	...	...	2
(8) Transthoracic vagotomy	...	...	...	...	...	1
(9) Excision mass chest wall	...	...	...	...	...	1
(10) Scalenotomy with upper dorsal sympathectomy	...	...	...	...	...	1
(III) Vascular Procedures	...	...	...	...	...	27
(1) Resection and reconstruction of aneurysm with grafts	...	...	...	...	...	4
(2) Vascular blocks endarterectomy and reconstruction with or without grafts	...	...	...	...	...	11
(3) (Femoro-popliteal, brachial and carotid AS) Vascular injuries	...	...	...	...	...	3
(4) Amputations one with sympathectomy	...	...	...	...	...	3
(5) Lumber Sympathectomy	...	...	...	...	...	2
(6) Excision A.V. Malformation	...	...	...	...	...	1
(7) Coarctation of Aorta	...	...	...	...	...	2
(8) Splenectomy with Ong's procedure	...	...	...	...	...	1
(IV) Minor Procedures	...	...	...	...	...	295
(1) Bronchoscopy	...	...	...	...	...	142
(2) Oesophagoscopy	...	...	...	...	...	20
(3) Oesophageal dilatation	...	...	...	...	...	4
(4) I.C. drainage	...	...	...	...	...	91
(5) Scalen node biopsy	...	...	...	...	...	46
(6) Removal of F.B.S. from Bronchus and Chest Wall, Tracheostomies, rib, biopsy, etc....	...	...	...	...	...	92

#### 24. DERMATOLOGY AND VENERELOGY—

The department functions all the days except Sundays from 8.00 a. m. on wards.

##### O. P. D. Attendance—

##### A.—Infection—

				New	Old
(a) Skin infections	...	...	...	28,649	23,580
(b) V. D. Cases	...	...	...	7,375	5,720
(c) Total Infections	...	...	...	36,024	29,300
(d) Non-Infections	...	...	...	12,480	10,763
(e) Total Attendance	...	...	...	48,504	40,063
(f) Grand total of the year	...	...	...	88,563	
(g) Maximum Attendance of one day	...	...	...	562	
(h) Ratio of Infection—Non Infection	...	...	...	3 : 8 : 1	

##### Investigations—

			Total	Abnormal
(a) Biopsies	...	...	328	All
(b) V. D. R. L.	...	...	3,853	1956
(c) Dark ground Illumination	...	...	1,643	659
(d) Smear for Gonococci	...	...	1,983	1754
(e) Smear for Donovan Bodies	...	...	81	62
(f) Smear for Ducrei Bacilli	...	...	42	Nil.
(g) Smear for Lepra Bacilli	...	...	183	145
(h) Scales for Fungus	...	...	3,521	3,328
(i) Urine	...	...	853	530
(j) Stool	...	...	154	38
(k) Blood Count	...	...	459	217
(l) E. S. R.	...	...	387	297

<b>Photographs—</b>	...	...	...	648
<b>V.—Therapy —</b>				
(a) Superficial—X-Ray ...	...	...	...	17
(b) Electro Dessication ...	...	...	...	469
(c) Chemical Cautery ...	...	...	...	653
(d) Podophylline Application ...	...	...	...	257
(e) Intralesional Hydrocortisone ...	...	...	...	372

**Medical Education**

Lectures and Clinics.

**25. 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 Bed strength	...	...	...	...	46
Total admission	...	...	...	...	1,162
Total deaths	...	...	...	...	<i>Nil.</i>

**O. P. D. Services—**

The Psychiatry O. P. D. is conducted on all working days of the week.

Total new cases	...	...	...	...	4,798
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**Peripheral activities—**

(A) The regular clinical meetings 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 is deputed to the Child Guidance Clinic, daily for two hour. This clinic is attached to the pediatric department. The report attached with pediatric department.

**Teaching activities—****A.—Undergraduate students :**

1. Six lectures in Psychiatry including Structure of the mind, ego defences, emotions etc for the 1st M.B.B.S., IIIrd term student.
2. Twelve lectures in Psychiatry including Neurosis, Psychosis treatment methods, etc are taken for the IIIrd M.B.B.S., 1st term students.
3. Clinical terms of one month's duration for the 1st M.B.B.S., 2nd term students including case presentations, discussions and treatment method demonstrations, 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.
4. 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 institutions 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 18 post graduate students attached to our department. The post-graduate teachers of the department guide 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 lecturers of the University and College of Physician and Surgeon of Bombay are held as per scheduled by the Teaching Staff.

**C.—Nursing students :**

Twenty lectures are held in psychology and twelve lectures in psychiatry the nursing students with the help of slides, and cases for demonstrations.

**D.—Speech Therapy students :**

Fifteen lectures each in psychiatry and speech pathology are held for the B. Sc. speech therapy students of our college with the help of slides and cases for demonstrations.

**E.—Psychiatric Social Worker Students :**

These 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 in Hand :—**

1. *Childhood Psychosis*: Clinical study.
2. *Children who have killed*: Case studies.

These projects are under the auspices of the Research Society of B. Y. L. Nair Ch. Hospital.

3. *Bronchial Asthma*: A Psycho Physiological study.

Cases are being studied and treated jointly along with the chest clinic of Nair Hospital once a week.

4. *Sormodren*: A drug trial in treatment of drug induced tremor and extrapyramidal reactions. This project has been sanctioned by the Research Society for our Hospital and is awaiting for the approval by the drug company. The report of para-psychiatric services in our department is as follows :—

**(1) Report of Clinical Psychologist :**

Total number of cases evaluated are 677.

The different modes of psychological testing administered the above number of cases are as follows :—

- (1) Torschach testings on 395 cases.
- (2) Bhat's performance test on 280 cases.
- (3) Binet Kamath on 155 cases.
- (4) Seguin form board on 60 cases.
- (5) Bender Gestalt test on 10 cases.
- (6) Children apperception test on 18 cases.
- (7) Thematic apperception test on 8 cases.
- (8) Sentence completion test on 3 cases.
- (9) Controlled projection test on 2 cases.
- (10) Benton's visual retention test on 2 cases.
- (11) Cyc'asyn Cipla-Assessment of mental function in the elderly on 1 case.
- (12) Wechsler memory scale on 10 cases.
- (13) Draw a person on 5 cases.

**(2) Report of the part time Medico Social Worker :**

No. of new cases referred	...	...	...	...	...	350
Counselling session with patients	...	...	...	...	...	2,800
Counselling sessions with relatives	...	...	...	...	...	1,050
Old follow up cases	...	...	...	...	...	1,500
Visits to donor institutions, Employers, patient's home, etc.	...	...	...	...	...	100
Donations	...	...	...	...	...Rs.	1,000
Medicines	...	...	...	...	...	15
Railway Pass	...	...	...	...	...	3
Supplementary diet	...	...	...	...	...	10
Distributed clothes, books, magazines, fruits to poor patients	...	...	...	...	...	
Recreational centre for children, to get together for ward patients	...	...	...	...	...	

**Work record of surgical cases :**

Total number of cases referred	...	...	...	...	...	250
Interviews	...	...	...	...	...	880
Counselling	...	...	...	...	...	220
Follow-up	...	...	...	...	...	1000
Visits to donors institutions	...	...	...	...	...	150

Home visits	...	...	...	...	...	350
Letters for appeals	...	...	...	...	...	350
Employment.	...	...	...	...	...	2
<b>Medical Aid :</b>						
Clothes old and new	...	...	...	...	...	5
Supplementary diet.	...	...	...	...	...	10
Medicines	...	...	...	...	...	130
Appliances.	...	...	...	...	...	50
Railway fare.	...	...	...	...	...	1

Total donation collected as Rs. 39,846.

Distributed clothes, books, magazine, fruits to poor patients.

#### Report of occupational therapy department :

There is indoor section which treats all indoor cases and there is an O. P. D. section comprising of a day care unit.

The total No. of indoor cases handled in the year.	...	...	1162
The total No. of day care patients for the year.	...	...	70

The following are the activities of the occupational therapist :—

- (i) Regular evaluation.
- (ii) Indoor and outdoor games.
- (iii) Simple activities like cutting candle wicks, stamping etc.
- (iv) Heavy activities : Carpentry, metal work.
- (v) Physical exercise and group activities :—

The day care unit is an essential part in the rehabilitation of a treated schizophrenic, where the patient is under their care for the whole day. Here activities, avocations, prevocational selection recreation and group activities are done.

#### School Project Report :

A school project on preventive psychiatry was started by B. Y. L. Nair Ch. Hospital in the month of July in the Gilder Lane Municipal School. Two social workers, two clinical psychologists and a house physician from the Department of Psychiatry were appointed for this purpose. Meeting were held for the teachers and parents from the different sections of the school in order to acquaint them with the purpose of the project. Teachers were given instructions regarding the type of children to be referred and the parents were requested to co-operate with the team. All the different primary sections (with the exception of std. I in the school i. e. Marathi, Urdu, Gujarati, English and Hindi were examined. From the period July 1979 to January 1980, 360 cases were seen from all the sections. Children were referred for the following problems :—

Type of problem	No. referred.
(1) Scholastic backwardness	301
(2) Stammering	23
(3) Enuresis.	16
(4) Truancy	18
(5) Temper tantrums.	61
(6) Fits.	7
(7) Withdrawal etc.	42
(8) Stealing	2
(-) Any other	70

To each child who was referred, the social worker contacted the parents of the child and requested them to come to the school. A complete social history was taken from an interview with the parents. The psychiatrist also spoke to the parents to take a detailed psychiatric history. The child was tested by the clinical psychologist for an evaluation of his intelligence and/or personality. A diagnosis was then made by the psychiatrist. Whenever it was necessary, home visits were paid by the social workers. If the parents were unco-operative only the child was seen and an attempt was made to arrive at a diagnosis.

After all the cases were seen each class-teachers was briefed about the findings of each case and certain recommendations were also made. Monthly reports about the progress of the project were submitted regularly.

The entire data is under analysis at present and conclusion inferences will be drawn from it.

#### Recreation Centre for children and Play Therapy :

The department has also started a recreation centre for its child patients with the help of the Rotary Club Bombay Central who supplied the toys and other material. This is conducted by a social worker of our department under the supervision of our full time psychiatrists. On an average 6-7 children attend. This centre works on Tuesday and Thursday from 2.30 to 3.30 p. m.

#### 26. OCCUPATIONAL THERAPY DEPARTMENT :

The following are the figures for the year 1979 of work load and work analysis :

Total No. of patients for 1979	...	...	...	...	7684
Total No. of patients attendance	...	...	...	...	75335
New patients (O. P. D.)	...	...	...	...	1183
New patients (Indoor) ...	...	...	...	...	2857
Total No. of new patients (O. P. D. and Indoor)	...	...	...	...	7684

#### P. V. C. and D. C. U.:

These sections are functioning as usual. Air India's Napkins and other small projects are continued.

#### Equipments :

The following equipments are purchased during the year, 1979.

- (1) Two Rehabilitation Machines.
- (2) Fret-Saw-Bicycle.

#### Sports :

Our patients have taken part in the sports arranged by Paraplegic Foundation at Shivaji Park, Daçar, Bombay on 10th and 11th February 1979.

#### Miscellaneous ,

The following conference were attended and taken active part by Shri A. S. Khallokar, Head of O. T. Department.

- (1) Seminar-cum-Exhibition "Give them a Break" at FPH from 10-3-79 to 11-3-1979.
- (2) Seminar of ACCESS at Haji Ali on 19-3-1979.
- (3) International Conference on Action for Spastic Child held at Bombay from 3-12-79 to 5-12-1979.

Lectures 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. Khallokar, Head of O. T. Department.

The work load of the patients is considerably increased in the year, 1979.

#### (27) PHYSIO THERAPY DEPARTMENT :

The following are the figures for the year 1979 of workload and work analysis :—

Total No. of patients for 1979 attendance	...	...	...	...	107484
Total No. of patients (O. P. D.)	...	...	...	...	2828
Total No. of patients (Indoor).	...	...	...	...	2176
Total No. of patients (New)	...	...	...	...	5004

#### Equipments :

The following equipments are received in this year.

Electrodynamin Stimulator.

Short Wave Diathermy (Portable).

Faradic Battery.

Mistogen.

**Activities :**

The paraplegic patients of Nair Hospital were taken for sports at Shivaji Park, Dadar, Bombay, arranged by Paraplegic Foundation.

The disable handicapped patients and paraplegic were taken for games arranged by NASEOH at University Pavallian.

We are glad to inform you that some of our patients have won the prizes.

**28. PHARMACY DEPARTMENT :****(1) Dispensary :**

Dispensary has dispensed 584591 case papers at out-door and 441 case papers at indoor.

Stock items supplied to ward and Theatre is 2460.

Quantity of stocks prepared for indoor and outdoor patients are given below—

Quantity of stock solution prepared.	...	...	23565.30 lit
Number of prepacks made	...	...	230453
Number of powders wrapped	...	...	64380
Number of OPD prescriptions dispensed whose account is kept.			6320
Prescription where special drug is issued and account is kept			135083
Syrup simplex in litre.	...	...	745.25 lit.
Quantity of stock mixture prepared.	...	...	18913.25 lit.

**2. Central Sterile Supply Service :**

Total number of sets and trays assembled during the year are 59818 and 16225 respectively.

Total number of drums and bags of the hospital sterilized during the year are 23554 Nos.

**3. Manufacturing of Pharmaceuticals :**

(a) Preparations prepared	...	...	...	90
(b) Market cost	...	...	...	Rs. 9,93,903.33
(c) Preparation cost	...	...	...	Rs. 5,12,488.95

(This includes the cost of chemicals breakage, consumable articles, machine repairs, gas & electric consumption, cleaning fluid, general articles, Analytic testir gand average staff salary with supervisory and overhead charges).

(d) Savings.	...	...	...	Rs. 4,81,414.38
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**4. Quality Control :**

During the year January 1979 to December 1979 a total number of 55 types of products splitted up into 1410 number of batches manufactured by the Pharmacy department were tested during preparation and as final products.

A total number of 9704 tests were performed on the same. A total number of 570 products splitted up in 4329 number of batches purchased from the outside market were tested. A total number of 41072 tests were performed on the same.

**(5) Glass Blowing Section :**

Services of the glass blowers are given to the hospital as well as college side departments, besides the Pharmacy required articles, which include 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 the machineries of pharmacy and the minor repairs of sterilizers of wards and theatres and Bhajekar Hospital.

The major repairs done is numbering to 863 during this year, which includes the replacement of heaters and other spare parts, removal of leakages and minor repairs works.



**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 1-8-1979.

Class	Male	Female	Total
III M.B.B.S. III term	93	35	128
III M.B.B.S. II term	21	2	23
III M.B.B.S. I term	90	46	136
III M.B.B.S. Casual	22	5	27
II M.B.B.S. III term	10	...	10
II M.B.B.S. II term	65	43	108
II M.B.B.S. I term	41	15	56
II M.B.B.S. III term	87	53	140
II M.B.B.S. I term	78	62	140
I M.B.B.S. Casual	23	6	29
<b>Total</b>	<b>530</b>	<b>267</b>	<b>797</b>

**Post Graduate :**

Class	Male	Female	Total
M.D. (All branches)	89	28	117
M.S. (All branches)	50	4	54
University diploma D.A., D.P.H.	22	11	33
M.Sc. by papers	13	10	23
M.Sc. by research	2	8	10
D.M.L.T.	...	10	10
Ph.D.	1	1	2
M.Sc. (Occupational Therapy)	6	1	7
<b>Total</b>	<b>336</b>	<b>108</b>	<b>446</b>

**30. GYMKHANA ACTIVITIES :**

- (1) Annual Students Inter Collegiate 'Just-a-minute' organized by G. S. Medical College.  
1st Prize ... Mr. Johnny Rodrigues.
- (2) Annual Students' Impromptu Speech Competition for the N. C. Lala Rotating Trophy Organized by Nazareth Speakers Academy.  
3rd Prize ... Mr. Johnny Rodrigues.
- (3) Maharashtra Inter Medical Debate held at B. J. Medical College, Pune.  
3rd Prize ... Mr. Sudeep Chakravorty.
- (4) Annual Students' Prepared Speech Competition for the M. B. Nazareth Rotating Trophy organized by Nazareth Speakers Academy.  
3rd Prize ... Mr. Johnny Rodrigues.
- (5) Maharashtra Inter Medical Debate held at Grant Medical College organized by Indian Medical Association (Bombay Branch).  
2nd Prize ... Mr. Johnny Rodrigues.

- (8) Annual Mahatma Gandhi Memorial Inter Collegiate Public Speaking Competition held at Sydenham College.  
1st Prize ... Mr. Johnny Rodrigues.
- (7) Juhu Jaycees Inter Collegiate Elocution Competition held at Miraibai College.  
3rd Prize ... Mr. Johnny Rodrigues.
- (8) Annual Inter Collegiate Competition organized by the Indian Dental Association at Birla Krida Kendra.  
3rd Prize ... Mr. Johnny Rodrigues.
- (9) Inter Collegiate Mock Interview Competition organized by EMCONS.  
1st Prize ... Mr. Sudhakar Krishnamoorthy.
- (10) Annual Inter Collegiate Elocution Competition for the National Youth Forum—Hoechst Pharmaceuticals Rotating Trophy held at Sophia College.  
1st Prize ... Mr. Johnny Rodrigues.
- (11) Bombay University Inter Collegiate Debate conducted by the Department of Students' Welfare University of Bombay.  
1st Prize ... Mr. Sudeep Chakravorty.  
1st Prize ... Mr. Johnny Rodrigues. } TIE  
Best Team Prize ... Won by T. N. M. C.
- (12) Inter Collegiate Elocution Competition sponsored by National Level Rajaji Centenary Committee organized by University of Bombay.  
3rd Prize ... Mr. Johnny Rodrigues.  
Best Team Prize ... Won by T. N. M. C.
- (13) Inter Collegiate Debate organized by A—PLUS.  
2nd Prize ... Mr. Prakash Masand.
- (14) The A—PLUS Inter Collegiate Speech Contest for the Rita Choksey Memorial Shield.  
2nd Prize ... Mr. Johnny Rodrigues.
- (15) All India Inter Medical Youth Festival organized by Goa Medical College.

**Elocution :**

1st Prize ... Miss Nasreen Khan.

**Essay :**

2nd Prize ... Mr. Sudeep Chakravorty.

**Extempore Speech :**

Consolation Prize ... Mr. Johnny Rodrigues.

**Just-a-minute :**

2nd Prize ... Mr. Johnny Rodrigues.

II Best Team ... T. N. M. C.

**Vocal Music (Indian) :**

2nd Prize ... Mr. Sudeep Chakravorty.

**Vocal Music (Western) :**

3rd Prize ... Mr. Vayal Nazeeth.

**Pantomime :**

3rd Prize ... T. N. M. C.

Miss Comfest /79 ... Miss Nasreen Khan.

- (16) Winners of Bombay University Inter collegiate "Water Polo" Tournament.
- (17) Winners of Bombay Inter Medical "Foot-Ball" Tournament.

### 31. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :

The total No. of books added to the library during the year was 1325 as against 1197 books during the previous year. Out of these 159 books were donated to the Library by Lang and other publications, 224 were purchased for 37 different departmental Libraries, 10 books were purchased for Kamathipura Library, 6 for Reay Road Paediatric unit and 78 books were purchased for Book Bank from U. G. C. Grant.

The Library subscribed 268 periodicals as against 263 during the last year. 64 periodicals were received gratis from the publishers, Hon. staff of the Nair Hospital and others. The Library, therefore, has 332 periodicals as against 322 during last year.

The No. of books and periodicals issued on the premises to the undergraduates, postgraduates, the teaching staff of the college, professors, Honoraries, teachers and research workers from other institutions was 77975 as against 56666 during the last year.

2816 books including reference books and 905 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 3263 books and 1065 periodicals issued during the last year. 13 Bound Volumes of periodicals were borrowed from other Libraries on Inter-Library Loan scheme and 23 were loaned out to them.

400 theses were issued for reading on premises as against 362 during the last year. 141 new theses on different subjects were entered during the year. So, library has 1055 theses at present.

25 books were written off during the year 1979. 234 guest members used the Library during the year 1979-80.

326 back issues of periodicals have been purchased from back volumes grant out of which 65 were completed bound volumes. 100 loose back periodicals received from the various institutions participating in the IEDML scheme (International Exchange of Duplicate Medical Literature) from which 22 bound volumes have been added in the Library. 80 loose periodicals sent to various Libraries under IEDML scheme. Thus, 612 volumes were added to the Library during the year 1979-80.

The Library has at the end of the year 25190 books and 11593 bound volumes.

### 32. NURSING :

The total No. of students admitted for General Nursing and Midwifery in the year 1979 are 58 and 24.

The No. of students discontinued from training are 15.

The No. of students appeared for Midwifery examination are 54, 53 passed and 1 failed.

The No. of students appeared for General Nursing Part II Examination are 40, 40 passed and 9 failed.

Mayor's award was awarded to Staff Nurse Priscilla Martin, Staff Nurse Smt. Sunanda Nakashe and student Nurse Thelma Britto.

Rotary Club's awarded to Smt. Mariamma Mathew, Public Health Nurse.

Dr. Vengarkar's award was awarded to Student Nurse Mary John for surgery.

A farewell party was arranged for Asstt. Matron Smt. M. J. Ammannanna in the month of May 1979.

In the month of May Variety Entertainment Programme and Prize Distribution was held in the Birla Krida D. Kendra.

In the same month T. N. A. I. inter-hospital sports were arranged on Haji Ali Ground.

Handicraft Exhibition was arranged by student Nurse in the month of June.

### 33. 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 53 beds. 14 beds for convalescence of Orthopaedic patients and 4 beds are reserved for Head, Neck surgery for patients sent by Nair Hospital.

During 1978-79 and 1979-80 the patients attended at Dr. Bhajekar Hospital are mentioned below :

	1978-79	1979-80
T. P. D. patients	20220	21724
Indoor patients.	1290	1161

The cost per patient per day works out as below :—

Year.	Drugs and Appliances	Diet	Stores	Fire, Gas, Telephone electricity	Estt.	Total
<b>Indoor patients :</b>						
1979-80 ...	3.34	5.89	3.70	15.97	18.79	47.69
1978-79 ...	6.11	7.00	1.91	11.95	15.21	42.18
<b>Out-door patients :</b>						
1979-80 ...	1.61	...	.64	.71	4.01	6.97
1978-79 ...	1.34	...	.48	.32	3.88	6.02

Dr. M. S. KEKRE,

Dean,

B. Y. L. Nair Hospital.

T. N. Medical College, Bombay-8.

**APPENDIX I.**  
**HOSPITAL STAFFS.**

Hospital.	No. of staff.
<b>Administration Staff :</b>	
Dean. ... ..	1
Assistant Dean. ... ..	1
Sr. Assistant Medical Officers. ... ..	3
Jr. Assistant Medical Officers. ... ..	13
<b>College (Teaching Staff) :</b>	
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
<b>Hospital (Teaching Staff) :</b>	
Honorary. ... ..	26 (3 vacant)
Assistant Honoraries. ... ..	35 (39 vacant)
Registrars. ... ..	71
House-men. ... ..	105
<b>Nursing Staff :</b>	
Matrons. ... ..	1
Assistant Matrons. ... ..	3
Sister Tutors. ... ..	9
Ward Assistants. ... ..	31
Theatre Assistants. ... ..	23
Sisters. ... ..	61
Staff Nurses. ... ..	228
<b>Student Nurses :</b>	
1st year ... ..	54
2nd year ... ..	83
3rd year. ... ..	79
<b>Thereapists :</b>	
Speech Therapist. ... ..	...
Occupational Therapist. ... ..	10
Physio Therapist. ... ..	10.
Dieticians. ... ..	2
Medical Social Workers. ... ..	9
<b>Administration Staff Officer :</b>	
Ward Officer ... ..	1
Office Superintendent ... ..	1
Sup't. of Pharmacy ... ..	1
Medical Record Officer ... ..	1
Head Clerks ... ..	10
Clerks ... ..	52
Clerk-cum-typist ... ..	16
Typists ... ..	3 (MC's Schedule)
Librarian ... ..	...
Medical Record Technicians ... ..	5
Sr. Technicians ... ..	6
Technicians ... ..	43
Lab. Assistants ... ..	18
Lab. Attendances ... ..	13
Time Keepers ... ..	2
Mortuary Attendants ... ..	4
Peons ... ..	13
Registration Assistance ... ..	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
Assistant Dietician	...	...	...	...	...	2
<b>Labour Staffs :</b>						
Ward Boys	...	...	...	...	...	181
Ayas	...	...	...	...	...	74
Sweepers	...	...	...	...	...	125
Metani	...	...	...	...	...	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.		
	1978	1979	1978	1979	
Male	13,587	16,889	3,389	4,237	
Female	3,029	3,556	1,145	1,324	
Children	Male	2,936	3,759	751	824
	Female	1,267	1,651	425	429
Total	20,819	25,855	5,710	6,814	

**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						
1979 ...	4.02	13.00	3.06	3.29	28.05	51.42
1978 ...	3.42	18.28	2.75	3.96	24.20	52.61
			<i>Out-patient</i>			
1979 ...	...	3.62	0.85	0.19	4.08	8.74
1978 ...	...	3.42	0.72	0.20	2.80	7.14

**APPENDIX V**

*Statement showing the Out-Patients (New O.P.D., Casualty) in the B.Y.L. Nair Charitable 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	.. 51105	23554	..	..	74659	1050	500	..	..	1550
Surgical	.. 28892	6915	4322	2543	42672	11597	2113	2611	1198	17519
Ophthalmic	.. 8131	3237	931	596	12895	444	27	29	8	508
Gynaec	.. ..	8605	..	...	8605	..	28	..	4	32
Skin	.. 17150	5343	4361	3570	30724	21	7	1	2	31
Aural	.. 8111	4532	2831	2243	17717	180	32	39	28	279
Orthopedic	.. 8355	3933	1498	912	14698	3050	679	755	284	4761
Paediatric	.. ..	..	14909	12162	27071	..	..	153	92	245
Maternity	.. ..	4768	..	..	4768	..	70	..	..	70
T. B.	.. 1640	511	...	...	2151	15	5	..	..	20
Cardiology (Med.)	.. 538	252	89	109	988	...	..	1	..	1
Gastroenterology	.. 420	182	4	15	621	1	..	..	..	1
Psychiatric	.. 2106	1360	134	42	3642	16	11	..	..	27
Rheumatic and Col. Disease	.. 53	60	...	1	114	..	..	..	..	..
Neuro-Surgery	.. 213	100	87	42	442	25	4	4	1	34
Neurology	.. 259	95	23	49	426	2	1	..	..	3
Plastic Surgery	.. 198	62	113	61	434	196	19	41	7	263
Gastroenterology Surgical Service	.. 71	9	16	4	100	..	..	..	..	..
Renal Surgery	.. 102	61	5	..	168	..	..	..	..	..
Genito-urinary Surgical Service	.. 34	7	9	1	51	..	..	..	..	..
Thyroid Surgery	.. 66	127	2	1	196	..	..	..	..	..
Anti Rabies	.. 1221	262	556	211	2250	290	60	125	27	502
Diabetic	.. 150	79	...	...	229	2	...	..	..	2
Haematology	.. 29	12	10	3	54	..	..	..	..	...
Special Care	.. ..	..	640	471	1111	..	..	..	..	..
Asthma	... 80	37	1	..	118	...	...	...	..	..
Hypertension	.. 6	2	..	...	8	..	..	..	..	..
Cardiology Surgical	.. 48	17	37	25	127	..	..	..	..	..
Preventive & Social Medicine	... 1	..	5	4	10	...	...	...	..	...
<b>Total</b>	.. 128979	64122	30883	23065	247049	16889	3556	3739	1651	25855

## 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 1979	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
Medical	Male ..	107	6997	7104	2811	3500	629	164
	Female ..	56	3048	3104	1250	1507	269	78
	Total ..	163	10045	10208	4061	5007	898	242
Surgical	Male ..	27	6872	6899	2763	3080	304	152
	Female ..	8	1948	1956	426	1356	132	42
	Male Child ..	2	1059	1061	760	275	21	5
	Female child ..	...	436	436	280	128	22	6
	Total ..	37	10315	10352	4229	5439	479	205
Ophthalmic	Male ..	...	556	556	400	128	2	26
	Female ..	...	322	322	175	141	...	6
	Male child ..	...	59	59	30	28	..	1
	Female child ..	1	40	41	28	13	..	...
	Total ..	1	977	978	633	310	2	33
Gynaec & Obst.	Female ..	35	1676	1711	910	774	4	23
	Female child ..	..	3	3	3	..	..	..
	Total ..	35	1679	1714	913	774	4	23
Skin & V. D.	Male ..	1	121	122	80	29	...	13
	Female ..	1	32	33	23	6	1	3
	Male child ..	..	10	10	9	..	...	1
	Female child ..	..	4	4	4	..	..	..
	Total ..	2	167	169	116	35	1	17
E. N. T.	Male ..	1	1207	1208	1147	12	19	30
	Female ..	1	920	921	811	91	4	15
	Male child ..	2	410	412	400	6	...	6
	Female child ..	2	478	480	402	75	1	2
	Total ..	6	3015	3021	2760	184	24	53
Orthopaedic	Male ..	16	2138	2154	450	1487	56	160
	Female ..	3	901	904	130	709	15	50
	Male child ..	1	355	356	43	300	2	12
	Female child ..	1	199	200	109	80	1	10
	Total ..	21	3593	3614	732	2576	74	232
Paediatric	Male Child ..	32	2771	2803	1996	496	263	48
	Female Child ..	20	2063	2083	1390	452	213	23
	Total ..	52	4834	4886	3386	948	476	76
Maternity	Female ..	36	5982	6018	..	5907	10	101
	Total ..	36	5982	6018	..	5907	10	101
T. B.	Male ..	15	1009	1024	..	934	70	20
	Female ..	4	241	245	..	224	14	7
	Total ..	19	1250	1269	..	1158	84	27
Cardiology	Male ..	4	239	213	..	185	10	18
	Female ..	1	81	82	..	75	2	5
	Male child ..	...	25	25	..	23	2	..
	Female child ..	...	15	15	..	13	2	..
	Total ..	5	330	335	..	296	16	23
Gastro-entrolgy (Medical).	Male ..	7	291	298	..	279	6	13
	Female ..	2	107	109	..	91	2	8
	Male child ..	...	3	3	..	3	..	..
	Female child ..	...	1	1	..	1	..	..
	Total ..	9	402	411	..	382	8	21

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	..	47	47	..	46	..	1	
	Female	..	11	12	..	12	..	..	
	Male Child	..	6	6	..	6	..	..	
	Total	..	1	64	65	..	64	..	1
Cardiac Surgery	Male	..	102	102	..	99	1	5	
	Female	..	50	50	..	42	2	3	
	Male child	..	14	14	..	13	..	1	
	Female child	..	11	11	..	9	..	2	
Total	..	..	177	177	..	163	3	11	
Psychiatric	Male	..	24	708	732	130	578	1	23
	Female	..	21	399	420	93	310	..	17
	Male child	..	..	23	23	20	3	..	..
	Female child	..	..	12	12	9	3	..	..
Total	..	45	1142	1187	252	894	1	40	
Rheumatic & Collagen Diseases	Male	..	14	14	..	10	..	4	
	Female	..	..	..	..	..	..	..	
	Female child	..	1	1	..	1	..	..	
	Female child	..	..	..	..	..	..	..	
Total	..	..	15	15	..	11	..	4	
Neurology	Male	..	11	211	222	..	195	12	15
	Female	..	2	59	61	..	56	3	2
	Male child	..	..	10	10	..	10	..	..
	Female child	..	..	9	9	..	9	..	..
Total	..	13	289	302	..	270	15	17	
Neuro-Surgery	Male	..	174	174	..	138	19	17	
	Female	..	76	76	..	65	4	7	
	Male child	..	28	28	..	26	1	1	
	Female child	..	18	18	..	13	3	2	
Total	..	..	236	296	..	242	27	27	
Plastic Surgery	Male	..	1	171	172	..	163	..	9
	Female	..	..	61	61	..	58	1	2
	Male child	..	..	67	67	..	67	..	..
	Female child	..	..	35	35	..	35	..	..
Total	..	1	334	335	..	323	1	11	
Gastroenterology Surgical Service	Male	..	6	6	..	6	..	..	
	Female	..	..	..	..	..	..	..	
Total	..	..	6	6	..	6	..	..	
Asthma	Male	..	1	1	..	1	..	..	
	Male child	..	..	..	..	..	..	..	
Total	..	..	1	1	..	1	..	..	
Genito-Urinary Surgical Service	Male	..	2	2	..	2	..	..	
	Female	..	..	..	..	..	..	..	
Total	..	..	2	2	..	2	..	..	
Thyroid Surgery	Male	..	1	1	..	1	..	..	
	Female	..	..	..	..	..	..	..	
Total	..	..	1	1	..	1	..	..	
Diabetic	Male	..	7	87	94	..	89	..	5
	Female	..	..	44	44	..	44	..	..
Total	..	7	131	138	..	133	..	5	
Haematology	Male	..	4	4	..	3	1	..	
	Female	..	..	6	6	..	6	..	
	Male child	..	1	5	6	..	6	..	
	Female child	..	..	7	7	..	6	1	
Total	..	1	2	23	..	21	2	..	
Hypertension	Male	..	1	1	..	1	..	..	
	Female	..	..	..	..	..	..	..	
Total	..	..	1	1	..	1	..	..	
Grand Total		..	454	45070	45524	17082	25148	2125	1169



## APPENDIX VII

## College Prizes

Serial No.	Name of the Student	Name of the Prize awarded
<b>For I M.B.B.S. Examination October 1979</b>		
1	Shri Gaitonde M.P.	(1) Dr. D.D. Variava's Prize. (2) Dr. D.D. Sathye's Prize.
2	Smt. Deshpande M.V. and Smt. Gupta M.S.	Dr. S.B. Parchure's Prize.
3	Smt. Gupta M.S.	(1) Dr. A.L. Adiga Prize. (2) Mahatma Gandhi Memorial Prize.
<b>For III M.B.B.S. Examination October 1979</b>		
4	Smt. Gulati K.K.	(1) Dr. P.F. Soonawala Go'd Medal. (2) Dr. A.L. Nair & N. Venkat.ao Prize.
5	Shri Kekre P.M.	(1) Dr. A.L. Nair and M. Venkatrao Prize.
6	Smt. Shrivastava M.P. and Smt. Varawalla N.M.	(1) Dr. D.B. Pandya's Prize. (2) Smt. Gop kabai Narayan Karande Prize. (3) Dr. A.L. Nair and M. Veaktrao Prize.
7	Smt. Gulati K.K.	(1) Dr. Parab Memorial Prize.
8	Smt. Shrivastava M.P. and Smt. Varawalla N.M.	(1) Snehalrani Ranade Prize for Girl Students.
<b>For II M.B.B.S. Examination for April 1979</b>		
9	Smt. Varerkar I.N.	(1) Dr. V.G. Rele's Prize. (2) Dr. S.S. Rao's Prize.
10	Shri Pai S.B.	(1) Dr. Manek Billimoria Prize. (2) Dr. S.B. Kekie Prize.
11	Shri Rambhadran V.	(1) Dr. H.A. Maniar's Prize.
12	Smt. Varerkar I.N.	(1) Shri Doongarshi A. Karla Prize. (2) Dr. W.B. Bhawe Memorial Prize.

## APPENDIX VIII

Results of the University Examination held in April/May 79 and October/November 1979.

Examination	April/May 1979.			October/November 1979.		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
I M. B. B. S.	80	54	67%	140	118	85%
II M.B.B.S.	158	120	76%	36	27	75%
III M.B.B.S.	81	58	72%	140	83	60%
M. D. (All branches)	108	32	36.8%	104	39	43%
M. S. (All Branchss)	58	26	49%	53	21	44%
University Dep. D.A., D.P.H.&C.	14	9	64%	8	1	13%
M.Sc. (By papers)	8	7	86%	4	4	100%

## APPENDIX IX.

## List of Publication and Papers read.

Doctor	Subject	Particulars where published
<b>(1) Neurology</b>		
Dr. P.M. Da'al	... Strokes in Young in West-Central India.	Advances In Neurology, Vol. 25, Chapter 11, (ed. Goldstein et Al), Raven Press, New York (USA), p. 339, 1979.
Dr. P.M. Da'al	... Observations on the Involvement of Cerebral Vessels in Tuberculous Meningitis in Adults.	Advances In Neurology, Vol. 25, Chapter 11, (ed. Goldstein et Al), Raven Press, New York (USA), p. 149, 1979. (Abstract in 'Current Survey in Neurology', ed. Johnson, A.V. Pecker Inc. New York, p. 16-17, 1978).
Dr. P.M. Da'al	... Community Survey of Hypertension in Old Bombay.	Essential Hypertension Symposium Chapter 11, (ed. Tanna et Al), Synopsia Specialists, USA, 1979.
Dr. P.M. Da'al	... Observation on the Involvement of Cerebral Vessels in Tuberculous Meningitis in Adults.	Reprint from Continuing Medical Education Programme, Neurological Society of India, p. 103-108-1979.
<b>(2) Anaesthesiology</b>		
Dr. V.M. Divekar Dr. I.P. Kavadia Dr. S.P. Jhata.	... Laryngocecle an anaesthetic hazard	Canadian Anaesthetists Society's Journal 1979.
Dr. V.M. Divekar Dr. H.I. Fanchal	... Etomidate a new intravenous anaesthetic agent.	Annual conference of the Indian Society of Anaesthetists held at Gwalior in December 1979.
Dr. V.M. Divekar	... Use of sophisticated Equipment	Symposium on research in anaesthesia held at Gwalior in December 1979.
Dr. V.M. Divekar	... Mode of theory papers	... Symposium on postgraduate examinations held at Gwalior in Dec 1979.
Dr. V.M. Divekar Dr. C.R. Ganat.a.	... Evaluation of Halothane vaporisers.	Gwalior, December 1979.
Dr. I.P. Kavadia Dr. V.M. Divekar	... Anaesthesia and Hypertension	Nair Hospital Research Society's Meeting.
Dr. V.M. Divekar Dr. M.R. Vichare	... Effect of Trace Anaesthetics on anaesthetists.	Meeting of the Indian Society of Anaesthetists (Bombay branch).
Dr. L.D. Naik	... Glucose 6 P.D. deficiency and anaesthesia.	Meeting of the Indian Society of Anaesthetists (Bombay Branch).
<b>(3) Pathology</b>		
Dr. S.R. Prabhu	... Etiological role of filarial infection in trichomonas vaginitis hydrocele and its effect on testicular tissue.	28th annual conference of I.A.P.M. at Chandigarh December 1979.
Dr. S.R. Prabhu	... An analysis of 400 cases of intracranial space occupying lesions.	28th Annual Conference of I.A.P.M. at Chandigarh December 1979.
Dr. S.R. Prabhu	... An autopsy study of urinary tract lesions in the Paediatric age group.	28th annual conference of I.A.P.M. at Chandigarh December 1979.
Dr. I.M. Vora Dr. S.M. Purohita Dr. T.K. Mehta.	... Serological screening for Syphilis in actual cases.	Ind. J. Dermatol. Venereol. Leprol. 44, 74-78, 1978. An abstract of the above article is published in Neurology Abstracts by International Abstracting Ltd. U.S.A. and U.S.S.R., 255J-F4-P-20, vol. 4, March 1979.

Doctor	Subject	Particulars where published
Dr. Sudha K. Shah Dr. Ila M. Vora Dr. S.B. Gokral. Dr. S.S. Thakur.	Dysgerminoma of ovary with pregnancy.	Jr. of Obst. and Gynaec. of Indt 29, 188-190, 1979.
	Adenomyosis—A retrospective study of 105 cases.	28th annual conference of Pathologists and Microbiologists at P.G. I. Chandigash, 28-30th December 1979.
Dr. A.M. Phakak ...	Review of literature. Amoebic granulomae of brain.	28th annual conference of Pathologists and Microbiologists at P.G. I. Chandigarh, 28-30th 1979.
<b>(4) Microbiology.</b>		
Miss Geeta Kinariwala et al.	Bacteriological aspects of Gas Gangrene.	Teaching Pathologists and Microbiologists meet at T.N. Medical College.
Miss Nirmal Chemburkar, et al.	Septicaemia in children ...	Teaching Pathologists and Microbiologists held at T.N. Medical College.
Miss Geeta Kinariwala et al.	Antimicrobial susceptibility tests on clostridia.	III All India Congress of Medical Microbiologists at T.N. Medical College.
Dr. C.R. Shetty ... Dr. G. V. Koppkar et al.	Antibiotic sensitivity patterns of salmonellae isolated from clinical cases.	III All India Congress of Medical Microbiologists held at T. N. Medical College.
Dr. G.V. Koppkar ... Miss Bilkish Ratnani, et al.	Aerobic flora of human Gastro-intestinal tract.	1st Regional Conference of Western Chapter of IAPM.
Dr. G.V. Koppkar et al.	Study of Human Gastro-intestinal Tract Flora.	III AICMM at Hyderabad in Dec. 1979.
<b>(5) Plastic Surgery</b>		
Dr. S.M. Mahaluxmi- vala.	Pollicisation of the Index finger ...	First Afro Asian Conference on Hand Surgery held in February 1979.
Dr. S.M. Mahaluxmi- vala. Dr. More.	Lateral Femoral Cutaneous Nerve Block for Skin Graft Donor Site.	All India Surgeon's Conference held at Hyderabad in December 1979.
Dr. S.M. Mahaluxmi- vala.	Hemifacial Gigantism ...	All India Surgeon's Conference.
<b>(6) Surgery.</b>		
Dr. R.L. Shah ...	Peritoneal Hyperalimentation ...	Bombay Chapter A.S.I.
Dr. M.V. Pai ...	Minor Surgery in General practice	I.M.A. Mulund Branch.
Dr. F.P. Soonawala	Evolution of male sterilization ...	International conference on sterilization at Seoul, South Korea, May 1979.
	Complications of vasectomy ...	International conference on Sterilization at Seoul, South Korea, May 1979.
	Evaluation of the Male for reversal of sterilization.	International conference on sterilization at Seoul, South Korea, May 1979.
Dr. F.P. Soonawala ...	Microsurgery in reversal of vasectomy.	Annual Conference of Urological Society of India at Trivandrum, September 1979.
Dr. F.P. Soonawala ...	Anteromeical endoscopic incision of the bladder neck.	Annual conference of Urological Society of India at Trivandrum, September 1979.

Doctor	Subject	Particulars where published
<b>(7) Psychiatry.</b>		
	Childhood psychosis—A study of treatment methods in illness.	West Zone Conference of the Indian Psychiatric Society held in Bombay.
	Suicide—Socioeconomic study of 100 cases.	West Zone Conference of the Indian Psychiatric Society held in Bombay
	Demographic study of destitute children.	West Zone Conference of the Indian Psychiatric Society held in Bombay.
	Detailed study of Suicidal Act ...	Annual Conference of the Indian Psychiatric Society held in Poona.
	Psychosocial aspects of V.D. in adolescents.	Annual Conference of the Indian Psychiatric Society held in Poona
	Psychosocial aspects of unmarried M.T.P.	International Conference on abortion and sterility.
<b>(8) Gynaec. and Obsetric.</b>		
Dr. (Mrs.) C.M. Alwani	1st Trimester M.T.F. and Laparoscopic sterilization with Yoon Baad under local anaesthesia.	First Asian Congress of Induced abortion and Voluntary sterilization 4-9th March 1979, Bombay.
Dr. (Mrs.) C.M. Alwani	Role of Selected Medical Specialities in Child Health Care.	Seminar on Demographic and Socio-economic aspects of child in India at International Institute for Population Studies, Feb. 1979.
Dr. (Mrs.) C.M. Alwani	Laparoscopy review	First National Congress on Gynaecological endoscopy Bombay, Oct. 1979.
Dr. (Mrs.) C.M. Alwani	2nd Look Laparoscopy. A comparison of Yoon ring/vaginal/Abd. Sterilizations.	First National Congress on Gynaecological endoscopy Bombay, Oct. 1979.
Dr. (Mrs.) C.M. Alwani	Genital Tuberculosis Perinatal Mortality.	Banglore Conference in Dec. 1979.
Dr. (Mrs.) C.M. Alwani	Non electrical methods of laparoscopy sterilization.	Endoscopic Assoc. training Programme on 5-3-1980.
Dr. (Mrs.) C.M. Alwani	Laparoscopy under local anesthesia	Endoscopic Assoc. training Programme in 1979.
Dr. M.Y. Raval ...		Indian Association of Gynaecological Endoscopists West End Hotel Bonquet Room
Dr. M.Y. Raval ...	Laparoscopic Equipment Telescope Trocar, Accessories, etc.	
Dr. M.Y. Raval ...		Convenor of 1st All Maharashtra State Family Welfare Congress on 20th-22nd January 1979.
Dr. M.Y. Raval ...	Comperor of Congress	... Convenor of 1st All Maharashtra State Family Welfare Congress on 20th-22nd January 1979.
Dr. M.Y. Raval ...	Cu I.U. D.	... Convenor of 1st All Maharashtra State Family Welfare Congress on 20th-22nd January 1979.
(a) Dr. Chaddha ...	Jaundice during pregnancy	... 6th, Bombay Obst. and Gyn. Conference
(b) Dr. Iyer ...	Preterm labour	... 6th Bombay Obst. and Gyn. Conference.
(c) Dr. Ambiyé ...		
(d) Dr. Sarogi ...		

Doctor	Subject	Particulars where published
Dr. M.Y. Raval	Laparoscopy in Infertility	1st Endoscopic Conference (Oct.).
Dr. M.Y. Raval	Colposcopy for unhealthy cervix	1st Endoscopic Conference (Oct.).
Dr. M.Y. Raval	Laparoscopic Sterilization	1st Endoscopic Conference (Oct.).
Dr. S.S. Thakur	Semen Analysis in Recurrent abortions and sterility.	First Asian Congress of Induced abortions and voluntary sterilization.
Dr. S.S. Thakur	Hypertension in the young gravids	VII Annual Conference of Bombay Obst. and Gyn. Society.
Dr. S.S. Thakur	Ovarian Tumours Associated with Carcinoma breast.	VII Annual Conference of Bombay Obst. and Gyn. Society.
Dr. S.S. Thakur	Epidural analgesia in labour	VII Annual Conference of Bombay Obstetrics and Gynaecological Society.
Dr. S.S. Thakur	Laparoscopic Gastric perforation—A review of literature and a report on one case.	
S.S. Thakur	Painless labour.	
Dr. S.S. Thakur	Experiences in the management of Uterovaginal Fistulae.	23rd All India Congress of Obst. and Gyn.
Dr. S.S. Thakur	Clinical evaluation of the 'Roll Over Test'.	23rd All India Congress of Obst. and Gyn.
Dr. S.S. Thakur	Radiology in the diagnosis of 'An incompetent OS'.	23rd All India Congress of Obst. and Gyn.
Dr. S.S. Thakur	Experiences in Cryocauterization	23rd All India Congress of Obst. and Gyn.
Dr. (Mrs.) S.K. Shah	Key note address on preterm labour	Annual Conference of Bombay Obst. and Gyn. Society.
Dr. (Mrs.) S.K. Shah	Preterm labour.	
Dr. (Mrs.) S.K. Shah	Colposcopy a diagnostic aid in cervical lesions.	First National Endoscopy Conference.
Dr. (Mrs.) S.K. Shah	International Asphyxia and perinatal mortality.	23rd Annual National Congress of Federation of Obst. and Gyn.
Dr. (Mrs.) R.N. Merchant.	Experience with low Wattage Bipolar Coagulation For Laparoscopy in Female Sterilization.	9th World Congress in Obstetrics, and Gynaecology at Tokyo, Japan October 1979.
Dr. (Mrs.) R.N. Merchant.	Hormones in Gynaecology	Indian Medical Association Chennai, Bombay, September 1979.
Dr. (Mrs.) R.N. Merchant.	Inta Uterine Contraceptive Device	Hon. Staff Society, B.Y. L. Nair Hospital November 1979.
Dr. (Mrs.) R.N. Merchant.	Low Voltage Bipolar Coagulation for Female Sterilization.	First Asian Congress of Induced Abortion and Voluntary Sterilization.
Dr. (Mrs.) R.N. Merchant.	Further Experience with Modified Merchant's IUD.	6th Contributors Conference of India Fertility Research Programme, Bombay, March 1979.
Dr. (Mrs.) R.N. Merchant.	Session IV Termination of Pregnancy	The First All Maharashtra State Family Welfare Conference held at Bombay, January 1979.
Dr. (Mrs.) U.S. Bhagwat	Preterm Labour	June 1979, Bombay Obst. and Gyn. Society Conference.
Dr. (Mrs.) U.S. Bhagwat	Colposcopy—A diagnostic aid in unhealthy cervix.	
Dr. (Mrs.) U.S. Bhagwat	Laparoscopy—In diagnostic work up of the tubal couple.	1st National Endoscopy Conference, in October 1979.

Doctor	Subject	Particulars where published.
Dr. (Mrs.) U.S. Bhagwat	Intra National Asphyxia and perinatal mortality.	23rd Annual Conference of Federation of Obst. and Gyn. Society of India.
Dr. S.B. Gokral	... Perinatal Mortality.	
Dr. S.S. Iyer	... Preterm labour	Annual Conference of Bombay Obst. and Gyn. Soc.
Dr. S.S. Iyer	... Colposcopy a diagnostic aid in	First National Endoscopic Conference.
<b>(9) Endocrinology</b>		
Dr. S.M. Shahani Dr. P.P. Kulakrni. Dr. P.A. Bhate Dr. K.L. Patel	... Metabolic and endocrine studies in women using No: ethindrone acetate implant.	Contraception, 19:135, 1979.
Dr. S.M. Shahani Dr. P.C. Merchant	... Serum Oxytocinase levels in normal and abnormal pregnancies.	J. of Obst. and Gyn. of India, 29: 522, 1979.
Dr. S.M. Shahani Dr. P.C. Merchant Dr. V.R. Ambiyee.	Maternal and Fetal Plasma cortisol levels in normal and abnormal labour.	J. of Obst. and Gyn. of India 29: 735, 1979.
Dr. Shahani S.M. Dr. P.P. Kulakrni Dr. K.L. Patel.	... Use of plasma receptor test for hCG in Fertility Regulation.	J. of Obst. and Gyn. of India 29: 831, 1979.
<b>(10) Anatomy.</b>		
	Medical Ethics Accept or Reject.	Bull. Ind. Fed. Med. Guilds.
	Fertilization and early embryonic Growth.	Bull. Ind. Fed. Med. Guilds.
Dr. E.J. de Souza	Bone Growth and Development.	Workshop of Ind. Dental Association.
Dr. E.J. de Souza	... Medical Education (Keynote address)	Ind. Association of Medical Women.
Dr. E.J. de Souza	Bone Induction	... Anatomical Society of India (National Conference).
Dr. E.J. de Souza Dr. J.S. Kalgutkar. Dr. (Mrs.) Puri. Dr. (Mrs.) Jog.	... Tetracyclin fluorescence	Anatomical Soc. of India (National Conference).
<b>(11) Paediatrics.</b>		
Dr. P.M. Pai	... Gastric PH in unfed neonates	.. Indian Pediatrics 16:523, 1979.
Dr. P.M. Pai	Paralytic Poliomyelitis in immunised children.	Clinics of India, 14:13, April 1979.
Dr. C.H. Dias Dr. P.M. Pai.	... Nephrocalcinosis	... Indian Pediatrics, 16:539, 1979.
Dr. S.M. Lokeshwar Dr. P.M. Pai. Dr. M.S. Baldwa.	Serum Proteins in Mothers and newborns.	Ped. Clin. of India, 14:1, 1979.
Dr. C.H. Das Dr. M.C. Patel Dr. P.R. Sureka. Dr. P.M. Pai.	... Congestive Cardiac Failure in infancy and childhood.	Ped. Clin. Indi., 14:27, 1979.
Dr. P.M. Pai Dr. R.P. Agarwal. Dr. H.B. Samel	... Impact of Intensive Pediatrics Care Unit on Mortality.	XVI National Conference of Indian Academy of Pediatrics, Calcutta January, 1979.
Dr. P.M. Pai Dr. B. Barnes.	... Level of Anxiety in Medical Students in Relation to Childhood adjustment.	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.
Dr. M.S. Baldwa Dr. P.M. Pai	... Clinical Profile of Jaundice of Blood group incompatibility.	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.

Doctor	Subject	Particulars where published
Dr. M.S. Baldwa Dr. P.M. Pai Dr. R.P. Agarwal	Exchange blood Transfusion in blood group incompatibility in neonates.	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.
Dr. P.R. Sureka Dr. P.J. Das Dr. P.M. Pai	Host factors in T.B. Meningitis.	XVI National Conference of Indian Academy of Pediatrics, Calcutta, January 1979.
Dr. M.V. Kulkarni Dr. M.Y. Rawal Dr. P.M. Pai	Congenital Syphilis Study of neonates whose mothers had positive VDRL	XVI National Conference of Indian Academy of Pediatrics, Calcutta, January 1979.
Dr. S.M. Lokeshwar Dr. M.V. Kulkarni Dr. P.M. Pai Dr. R.J. Khanna.	Study of Mothers' attitudes towards diarrhoeal diseases in children.	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.
Dr. P.R. Sureka Dr. P.M. Pai	Poisoning in Children	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.
Dr. R.D. Potdar Dr. M.S. Baldwa	Heights in newborn and parents	XVI National Conference of Indian Academy of Pediatrics, Calcutta January 1979.
Dr. V.R. Kamble	Study of Lymph node biopsies in children.	XVI National Conference of Indian Academy of Pediatrics, Calcutta, January 1979.
Dr. R.K. Anand	Adoption and Foster Care	Conference 'Challenges in Pediatrics 79' organised by the Golden Jubilee Research Foundation of T.N. Medical College and B.Y.L. Nair Hospital, March 1979.
Dr. R. K. Anand.	Child Nutrition presented.	Workshop in 'Child in Need' organised by the Indian Council of Social Welfare Bombay April 1979.
Dr. R. K. Anand.	The growing Child presented.	Seminar 'Leaving Experience from Total Environment' organised by the S. N. D. T. University, Bombay and the Balkan-ji-Bari, 1979. May 1979.
Dr. R. K. Anand.	Latest Trends in Breast Feeding.	Meeting of the Bombay Branch of the Society of Obstetricians and Gynaecologist, Sept., 1979.
Dr. R. K. Anand.	Health Needs of the Indian Child....	Workshop on 'The Child challenge of Tomorrow at the 19th National session of the Indian Council of Social Welfare, Hyderabad, September 1979.
Dr. P. M. Pai. Late Dr. S. K. Joshi.	Diphtheria in immunised children.	103rd Quarterly meeting of Staff Society of T. N. Medical College and B. Y. L. Nair Hospital, October '79.
Dr. R. D. Potdar.	Ensuring Maximum Community Participation in MCH programme in Urban Slums.	Rajasthan State Branch Conference, Jaipur, 79.
Dr. S. M. Lokeshwar. Dr. R. J. Khanna. Dr. P. M. Pai. Dr. M. V. Kulkarni.	Tuberculosis in School Children.	VIA Asian Congress on Chest Diseases. Bombay, November 79.
Dr. R. K. Anand.	Exploitation of children.	First Maharashtra Regional convention of the Indian Academy of Pediatrics, Poona, November 1979.
Dr. R. K. Anand.	Role of Pediatrician in a school for the Spastics.	Conference 'Action for the Spastic Child' organised by the spastics Society of India and the Spastic Society of U. K. December 1979.
Dr. M. S. Baldwa. Dr. P. M. Pai.	Incidence of neonatal Jaundice in relation to blood group distribution.	XVI National Conference of Indian Academy of Pediatrics, Calcutta, Jan. 1979.

Doctor	Subject	Particulars where published
(12) Paediatric Surgery.		
Co-author Dr. D. R. Trivedi. Dr. C.H. Kale	Experience with ano rectal Malformation.	World Congress of Paediatric Surgery held at Taj Intercontinental Hotel on 21st to 25th Feb. 1980.
(13) Preventive and Social Medicine.		
Dr. (Mrs.) S. S. Jha.	Weightage to community Health.	In Assessment of Final Year Medical Students, 9th Annual Conference of Indian Association of Preventive and Social Medicine, Sewagram 4th Jan. 1979.
Dr. (Mrs.) S. S. Jha.	Organisational Structure of Health Care Delivery System.	Nirmala Niketan, 16th Jan. 1979.
Dr. (Mrs.) S. S. Jha. Co-authors Mrs. As Mohamed, Dr. Kothari.	Infant and child mortality in Bombay	International Institute of Population studies, 26th Feb. 1979.
Dr. (Mrs.) S. S. Jha.	Key note address in Health Education.	Vith All India Conference of the Association of Medical Women in India, 2nd Dec. 1979.
Dr. (Mrs.) G. Kothari.	A study of discharged cases of Tuberculous Meningitis.	Indian Journal of preventive Social Medicine, Jan., 1979.
Dr. (Mrs.) G. Kothari.	A study to identify health and welfare needs of a slum community.	9th Annual Conference of Indian Association of Preventive & Social Medicine, Jan 1979.
Dr. (Mrs.) G. Kothari.	Children without families.	... Vith All India Conference of Association of Medical Women in India, December 1979.
Dr. P. Subramanian. Co-author Dr. Jha.	Home Medical Care.	... An Extended Hospital Care Programme—9th Annual Conference of the Indian Association of Preventive & Social Medicine Jan. 1979.
Dr. P. Subramanian.	Knowledge and attitude on Human Sexuality in Women College Teachers in Bombay.	... Vith All India Conference of the Association of Medical Women. India, December 1979
Dr. Aras. Co-author Dr. Sudha Shah.	Follow up of female sterilization.	... 1st Asian Congress on induced abortion and Voluntary sterilisation, March 1979.
Dr. Pandit Co-author Dr. S. S. Jha.	Accidents in children.	... Vith All India Conference of Association of Medical Women in India, Dec. 79.
(14) Physiology.		
Dr. (Smt.) H. P. Pispati.	Effect of exercise on Magnesium in body fluid.	... XXVth Annual Conference of A.P. P. I. at New Delhi in Dec. 1979.
Dr. (Smt.) V. G. Parulkar. Dr. V. S. Bhat.	Dermatoglyphics.	... XXVth Silver Jubilee Conference of A.P.P.I. at New Delhi in Dec. 1979.
Dr. (Smt.) V. G. Parulkar.	Parenteral feeding.	... Send for publication in 2nd Series on Recent Advances in Surgery.
(15) Pharmacology.		
Dr. A. B. Varde. Dr. S. R. Naik Dr. M. R. Ke'kar. Dr. S.R. Amladi	Effect of dephenylhydantoin on drug induced fighting and stereotyped behaviour in rodents.	... XII Annual Conference of the Indian Pharmacological Society from December 29-31, 1979 at Pt. J. N. Medical College, Raipur, M. P.
Dr. D. A. Joseph. Professor J. C. Bijlani.	Effects of copper Sulphate on Experimentally induced peptic ulcer.	
Dr. (Mrs.) S. A. De ai. Dr. V. G. Murkibhavi Mr. Karmalkar Professor J. C. Bijlani.	Effect of some habits on human semen.	... Vth Annual Conference of Association of pharmacologists of Maharashtra, Miraj.



Doctor	Subject	Particulars where published
<b>(16) Cardio-Vascular and Thoracic Surgery.</b>		
Dr. Kalke, B. R. Dr. J. M. Desai. Dr. Ratna Magotra. Dr. R. C. Hansoti. Dr. R. N. Kango. Dr. P. R. Pai.	Diagnosis and Surgical Management of Left Atrial Myxoma.	Mid-term Conference of the Cardiological Society of India and the Thoracic Section of the Association of Surgeons of India held in September 1979 in Srinagar.
Dr. (Mrs.) J. M. Desai Dr. B. R. Kalke. Dr. Ratna Magotra. Dr. P. M. Dalal. Dr. V. R. Joshi.	A case of aneurysm of Abdominal Aorta Below the level of Renal Arteries with Aorta-venous Communications. ...	Mid-term Conference of the Cardiological Society of India and the Thoracic Section of the Association of Surgeons of India held in September 1979 in Srinagar.
Dr. Ratna Magotra. Dr. T. C. Dhruv. Dr. R. M. Sheth. Dr. M. Venkat aman Dr. J. M. Desai. Dr. B. R. Kalke.	Myocardial Protection with Hypothermic Potassium Cardioplegia during Open Heart Surgery. ...	Thoracic Section at the Annual Conference of the Association of Surgeons of India held on December 27-30-1979 at the Institute of Medical Sciences, Osmania Medical College, Hyderabad.
Dr. B. R. Kalke. Dr. Ratna Magotra. Dr. J. M. Desai.	Eventration of left Dome of Diaphragm.	Thoracic Section at the Annual Conference of the Association of Surgeons of India held on December 27-30 1979 at the Institute of Medical Sciences, Osmania Medical College, Hyderabad.
Dr. B. R. Kalke. Dr. Ratna Magotra. Dr. J. M. Desai.	Surgical Management of Mitral Valve Disease in children.	Thoracic Section at the Annual Conference of the Association of Surgeons of India held on December 27-30 1979 at the Institute of Medical Sciences, Osmania Medical College, Hyderabad.
<b>(17) Neuro-surgery.</b>		
Dr. U. S. Vengsarkar. et. al.	Dural Angiomatous Malformation....	Neurology India, June 79.
<b>(18) Dermatology and Venereology.</b>		
	Doxycycline in the treatment of uncomplicated Gonorrhoea.	Ind. Jour. of Dearm., Ven. Z Lep. Vol. 45, No. 3, 1979.
	Supristol in the treatment of uncomplicated Gonorrhoea.	Symposium of Chemotherapy 1979. Royal College of Physician-London

## APPENDIX No. X.

Radiology Department  
Investigations carried out,

(I) Respiratory system,	Total No. of patients	Total No. of patients
Bronchograms. ...	69	Pleurograms. ... 1
<b>(II) Cardio Vascular System,</b>		
Cardiac Catheterisations. ...	...	Arch Aortograms. ... 13
Aortograms. ...	21	Carotid Angiograms. ... 193
V. B. Angiograms. ...	10	Renal Angiograms. ... 17
Spinal Angiograms. ...	...	Femoral Angiograms. ... 19
Inferior Vena-Cavograms. ...	8	Trans-Lumbar Aortograms. ... 12
Brachial Angiograms. ...	...	Selective Coeliac Angiogram. ... 9
Venograms. ...	6	
<b>(III) Gastro-Intestinal System,</b>		
Sialography ...	8	Laryngography ... 20
Palatography. ...	9	Barium Swallow. ... 246
Barium Meal. ...	715	Barium Enema. ... 135
Hypotonic Duodenography. ...	17	Oral Cholecystograms. ... 63
I. V. Cholangiograms. ...	8	T. Tube Cholangiograms. ... 11
Operative Cholangiograms. ...	6	Oral Cholangiography. ... 58
Percutaneous Trans-hepatic Cholangiography. ...	52	Porto-venogram (Splenogram) ... 49

## (IV) Genito Urinary System :—

I. V. P. (Intra-Venous Pyelography)	631	Ascending Pyelography.	... 46
Cysto Urethrogram.	15	Mict. Cystourethrogram.	... 27
Cystograms.	51	Nephrostomy tube study.	...
Retrograde Urethrogams.	48	Perineal Pneumography.	... 6
Fractional Cystograms.	...	Wash out Urography.	... ..

## (V) C. N. S.,

Air Ventriculograms.	11	Myelogram.	... 132
P.E.G.	17	Myodil Ventric.	... 19

## (VI) Obstetric and Gynaec :—

Placentogram.	15	Hystero Salpingograms.	... 101
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## (VII) Miscellaneous ,

Trigonal Injection.	...	Fistulogram.	... 15
Sinusograms.	21	Lymphangiograms.	... 7
Tomogram.	...	Dacryocystogram	... 11
J. K. Mehta's Test.	...	Cavitogram.	... 20
Pneumoperitoneum.	5	Pelvic Angio.	... 3
Routine X-Ray Investigations.	67436		

Total No. of patients X-Rayed during the year ... 70412

Total No. of X-Ray plates used during the year. ... 128474

**APPENDIX XI.**  
**List of Research Work.**

Doctor	Subject
(1) Anatomy.	
Dr. E. J. De Souza.	Special exfoliative cytology including the use of Tetracycline fluorescence for exclusion of Malignancy.
	Enzyme Histochemistry
	Enzyme Histochemistry research in Dept., with particular reference to Succinate dehydrogenase with the two P. H. D. Post-graduate students.
Dr. E. J. de Souza. Mr. Nimkar.	Histochemical and Histological studies including enzyme Histochemistry on young developing male rats.
Dr. E. J. De Souza Miss Lobo.	Enzyme Histochemistry in Fungi.
Dr. E. J. De Souza. Dr. (Mrs.) Puri.	Experimental use of fluorescence methods.
Dr. E. J. De Souza. Dr. (Miss) Shejwalkar.	Experimental use of Phase Contrast.
(2) Gynaec and Obstetric.	
Dr. (Mrs.) C. M. Alwani.	Screening project for early detection of genital malignancy.
	Hysteroscopy in gynaecological disorders and infertility.
	Estimation of A. F. P. in Amniotic fluid and serum of 2nd trimester termination patients in collaboration with Institute of research in reproduction.
	Study of cervical mucus in work up of infertile couples.
Dr. S. S. Thakur.	Non-functional gonocystosa cell tumour.
	Pregnancy associated with portal hypertension.
	Experiences in the management of Disseminated intravascular coagulopathy.
	Blood Sugar and Insulin Assays in pregnancy.
	Epidural Analgesia in labour.
	Partograms.
	Value of incidental appendectomy and its sequelae.

Doctor.	Subject.
Dr. S. S. Thakur.	... Dilatation and curettage under Dizapan and Pethidin analgesia. Vacuum Deliveries and its wrong term effects. Psychological changes in sterilized womens.
Dr. Mrs. S. K. Shah	... Co'poscopy.
Dr. (Mrs.) R. N. Merchant.	Comparative study of Low Voltage Bipolar Coagulation of Tube and Fallope Ring Application to tube for Female Sterilization. Study of Utero-tubal junction are. Extravular Injection of 0.01 % acriflavine for Mid trimester abortion. Study of Reconstructive tubal Surgery ininfertility. Infertility and diagnostic laparoscopy.
Dr. S. B. Gokral.	... Intertility.
Dr. S. S. Iyer.	... Pelvic Infert. disease. Colposcopy. Preterm labour. Role Pyridoxmia. In Superession of lactation. <b>(3) Anaesthesia.</b> Etomidate—a new T. V. anaesthetic agent. Pseudocholinesterase estimation, Scoline numbers for atypical esterase. Carticaine—a new spinal anaesthetic. Dorsalis—Pedis cannulation for arterial pressure monitoring. Evaluation of various anaesthesia vaporisers. Study of resistance in anaesthesia circuits. <b>(4) Radiology.</b>
Prof. A. G. Naik.	... Ultra-Sonography , Obstetric & Gynaec.—150 cases. Percutaneous Trans-hepatic Cho'ang'ography and cannulation for bile drainage with follow up-25 cases. Contrast Laryngog aphy—25 cases.
Dr. G. R. Jankharia, Prof. A. G. Naik.	... Hysterosalpingography. Trial of Iodophit for Hysterosalpingography 35 cases.
Dr. G. R. Jankharia.	... Orbital Venography—15 cases. <b>(5) Dermatology and Venerology.</b> Gonococcal Culture & Antibiotic Sensiivity. Fungus Cultures. Nail Diseases. <b>(6) Orthopaedic.</b> External fixation for compound fractures of tibia. Electrical induction of callus. Ender's nailing for fractures of femoral neck and shaft. Open reduction and internal fixation of juvenile supracondylar fractures of the humerus. Open reduction, bone, grafting and K-wire fixation for Colles' fractures.

Doctor.	Subject.
<b>(7) Microbiology.</b>	
	Study of carrier state and survey of intestinal parasites of Food handlers in Bombay.
	Study of Anaerobic Bacteria.
	Septicaemia in paediatric age group.
	Bacteriology of wound infections in cardiac thoracic surgery.
	Establishment of aerobic bacterial flora in the Hospital.
	Characterization of candida species.
<b>(8) General Surgery.</b>	
	Porto Atrial shunt in the management of portal Hypertension.
	Hemodilution in General Surgery.
	Citrate metabolism in liver disease.
	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 stricture urethra
	Percutaneous transhepatic choledochostomy in the management of obstructive jaundice.
<b>(9) Endocrinology.</b>	
	Clinical studies in field of Fertility Regulation.
	Experimental studies in Reproductive Biology.
	Animal House breeding, Maintenance and supply to other departments of the Institution.
	Development, Evaluation & Application of a Radioreceptor Test for HCG/LH in Fertility Regulation.
	Development of Anti HCG vaccine for Fertility Control.
<b>(10) Physiology.</b>	
Dr. (Smt.) R. J. Minina.	... Fibrinolytic activity of endometrium.
Dr. (Smt.) M. P. Sharma.	... Auto-urine Therapy studies in rats.
Dr. (Smt.) H. P. Pispati.	... Effect of exercise on magnesium in body fluids.
Dr. (Smt.) S. D. Deshpande	Rat Maze Learning.
Dr. V. S. Bhat.	... Dermatoglyphics: its relation to secretornonsecretor of AB antigens and PTC Taste.
	Academic performance of reserved seats and their comparison with other students.
<b>(11) Preventive and Social Medicine.</b>	
Dr. S. S. Jha. Mrs. Vijaya Karnik.	... Child rearing practices in slum communities.
Dr. G. Kothari. Mrs. Vijaya Karnik. Mrs. Asha Krishnamurthi.	... Scho'astic backwardness in school children.
Dr. G. Kothari. Dr. V. Naik. Mrs. Vijaya Karnik. Mrs. Asha Krishnamurthy.	... Study of Morbidity patterns in Kathiwawadi Swager Community.

Dector	Subject
	(12) Cardio-vascular and Thoracic Surgery.
	Animal Experiments on dogs were carried out to evaluate new methods of doing pneumonectomies, lobectomies and segmental resections.
	(13) Gastroenterology.
	DNA Estimation of Gastric content after infusion of various gastric irritants.
	Effect of Histamine on Intrinsic Factor content in Gastric juice in normals and Duodenal ulcer patients.
	Intragastric Titration in normals and Duodenal ulcer patients after infusing test Meal without chilli and with chillis.
	Comparision of Gastric Secreting capacity by titrating gastric acidity in vitro and in Vivo by infusion of sodabarbonate at P. H. 5.5.
	Gastric acidity and Histopathologically study of Gastric mucosa in viral Hepatitis patients.
	Study of Australia Antigen in Gastric Juice, Gastric mucosa, urine, and serum protein Electrophoresis and liver function tests in viral Hepatitis patients.
	Effect of polycrol Forte Tablets on Gastric Acidiy in Duodenal ulcer patients.
	Pancreatic Enzymes estimation in controls and Diabetes patients.
	Gastric Secreting capacity in normals and Thyrotoxicosis patients
	Small Intestinal absorption studies and Histopatholog'cal studies in viral hepatisis patients.

## APPENDIX XII.

## CENTRAL LABORATORIES.

111927 investigations carried out in the Central Clinical Laboratory during the year 1979 *i. e.* (from 1st January 1975 to December 1979 in B. Y. L. Nair Hospital).

## Routine investigation in the Central Laboratory ,

Blood count and Hb	... 20834	Urine	... 16094
Stool	... 9326	Occult blood	... 6077
E. S. R.	... 7898	Sputum	... 5038
C. S. F. Routine	... 3423	Pleural fluid	... 930
Acetic fluid	... 966	Blood Urea	... 3189
Blood Sugar	... 3743	Throat Swab	... 528
		Total	... 78046

## Collection of Material (Blood) :

Blood Urea	... 3,361	Blood Sugar	... 6,613
Blood for P.P. Sugar	... 6,906	Blood for R.A. Test	... 363
Blood Serum Cholesterol	... 1,006	Blood Uric Acid	... 439
Blood Serum Bilirubin	... 846	Blood Serum Proteins	... 854
Blood Serum Calcium	... 853	Blood L.F.T. Tests	... 631
Blood V.D.R.L. Tests	... 2,105	Blood A.B.O. Rh Tests	... 717
Blood Serum Alkaline Phosphatase	... 735	Blood S.G.O.T. and S.G.P.T.	... 927
Blood P.V.C.	... 921	Blood Widal Tests	... 1,233
Blood Serum Creatinine Tests	... 378	Blood L.E. Cells	... 3,329
Blood Serum Electrolytes	... 541	Blood Malarial Parasites	... 1,123
		Total	... 33,881
		Grand Total	... 1,11,927

## Investigation Departmentwise

## (1) Department of Pathology

## Surgical Histopathology Section :

(1) Fluids for cytological examination	...	...	...	...	677
(2) Surgical Blocks prepared	...	...	...	...	7,354
(3) Slides of Surgical Tissues prepared	...	...	...	...	9,687

## (Details of Surgical Slides prepared)

(1) Dr. Bhajekar Hospital	...	...	...	...	160
(2) Kasturba Hospital	...	...	...	...	5
(3) K.B. Hospital	...	...	...	...	26
(4) Bandra Bhabha Hospital	...	...	...	...	22
(5) Tata Hospital	...	...	...	...	100
(6) Santacruz Hospital	...	...	...	...	34
(7) Kamathpura Hospital	...	...	...	...	5
(8) Eye Hospital	...	...	...	...	5
(9) G.E. Department	...	...	...	...	810
(10) Medicines Department	...	...	...	...	72
(11) Special Stains	...	...	...	...	139
(12) Duplicate Slides	...	...	...	...	211
(13) Practical Class	...	...	...	...	350
(14) Request from Staff	...	...	...	...	22
(15) Slides for meeting	...	...	...	...	150
(16) Neurology Department	...	...	...	...	664
(17) Pharmacology Department (Research work)	...	...	...	...	16

## Pathology (Haematology) Section :

The number of appointments given for miscellaneous investigation was—2,021.

(1) Complete Haemogram	...	...	...	...	3,500
(2) Hb, BT, CT	...	...	...	...	1,718
(3) Malarial Parasites	...	...	...	...	2,900
(4) Platelet Count	...	...	...	...	300
(5) MC/PVC	...	...	...	...	357
(6) L.K. Cell Phenomenon	...	...	...	...	270
(7) Bone Marrow slides separated	...	...	...	...	162
(8) Osmotic Fragility	...	...	...	...	50
(9) Foetal haemoglobin	...	...	...	...	20
(10) G. 6 PD	...	...	...	...	20
(11) Sickie Test	...	...	...	...	10
Total	...	...	...	...	9,307

## (6) Chemical Pathology.

Blood Sugar	...	41912	G. T. C.	...	387
Blood Urea Nitrogen	...	21988	S. Creatinine	...	10208
Uric Acid	...	842	Creatinine Clearance	...	10
Fibrinogen	...	187	Total Protein	...	5208
Total Albumin	...	5208	Total Globulin	...	5208
Alk-Phosphatase	...	4532	Thymol Turbidity	...	1247
Vanden Bergh Reaction	...	2095	Ic'tems index	...	2095
Bilirubin Total	...	3811	Bilirubin Direct	...	3811
S. G. O. T.	...	6079	S. G. P. T.	...	6679
P. T. P. I.	...	1858	Inorg. Phosphorous	...	1314
Acid Phosphatase	...	381	S. Amylase	...	590
Cholesterol	...	5121	Gastric Analysis	...	78
C. S. F. Sugar	...	2608	C. S. F. Chlorides	...	2608
B. S. P.	...	22	Urobilinogen	...	31
Total Lipid	...	296	Tryglycides	...	296
Phospholipides	...	296	S. L. D. H.	...	874
S. Potassium	...	13101	S. Sodium	...	13101
S. Calcium	...	13101	S. Chlorides	...	1369
Urine Proteins.	...	41	Urine Calcium	...	41
Urine Sodium	...	41	Urine Creatinine	...	144
Urine Chlorides	...	144	Urine Potassium	...	144
Sweat Na.	...	3	Sweat K.	...	3
Sweat Cl.	...	3	Blood P. H.	...	212
Blood Pco2	...	202	Blood FCo2	...	212
V. M. A.	...	11	Urine Osmolality	...	11
S. Osmolality	...	42	Urinary Catacholamines	...	3
B. J. Protein	...	2			
Total	...	179221			

**P.M. Histopathology Section :**

Investigation carried out in P.M. Histopath. Section during the year 1979,—

Post Mortem Blocks prepared and Cut	...	...	...	...	10,264
Autopsies performed during the year	...	...	...	...	1,221

Details of P.M. Slides prepared :—

(1) Special Stains	...	...	...	...	248
(2) Practical Class	...	...	...	...	300
(3) Duplicate Slides	...	...	...	...	175
(4) Blocks cut for preparation of good slide study for post graduate students	...	...	...	...	125

**Surgical Histopathology Section :**

Investigations carried out in Surgical Histopathology Section during the year 1979. (1st January to 31st December 1979).

**Bhagwati Hospital**

(1) Surgical Blocks prepared	...	...	...	...	2,273
(2) Slides of Surgical tissues prepared (Details of Surgical Slides prepared)	...	...	...	...	2,724
(2) Slides of Surgical tissues prepared	...	...	...	...	2,724

(Details of Surgical slides prepared)

(1) Special Stains	...	...	...	...	30
(2) Practical Class	...	...	...	...	308
(3) Tata Hospital	...	...	...	...	10
(4) Duplicate Slides	...	...	...	...	50
(5) Meeting Slides	...	...	...	...	48

**Malad Hospital**

(1) Surgical Blocks prepared	...	...	...	...	250
(2) Slides of Surgical tissues prepared	...	...	...	...	350

(Details of Surgical Slides prepared)

(1) Tata Hospital	...	...	...	...	8
(2) Practical Class	...	...	...	...	36
(3) Duplicate Slides	...	...	...	...	12
(4) Special Stains	...	...	...	...	8

**(2) Department of Microbiology**

Sputum culture	...	...	1,998	Sputum A.F.B.	...	...	4,893		
Urine	...	...	5,518	Stool	...	...	350		
C.S.F.	...	...	2,533	Clot Culture	...	...	2,680		
Blood Culture	...	...	937	Pus and Pus Swab	...	...	2,500		
Pleural Fluid	...	...	610	Ascitic Fluid	...	...	450		
Peritoneal Fluid	...	...	50	Synovial Fluid	...	...	62		
Miscellaneous aspirated Fluid	...	...	108	Bronchial swab and aspirate	...	...	42		
Wound Swab	...	...	130	Ulcer and abscess swab	...	...	20		
Umbilical Swab	...	...	55	Throat Swab	...	...	500		
Nasal Swab	...	...	15	Pharyngeal, laryngeal palate tongues, etc.	...	...	10		
Ear Swabs	...	...	200	Lymph Nodes	...	...	3		
Conjunctival, corneal etc. swabs	...	...	150	Cervical, vaginal, endometrial Swabs	...	...	50		
Urethral and prostatic etc. swab	...	...	50	Miscellaneous fluid swab	...	...	55		
							Total	...	23,959

**Mycology**

Sputum	...	...	124	Throat Swab	...	...	10		
Stool or R. Swab	...	...	30	Urine	...	...	30		
C.S.F.	...	...	29	Pus Swab	...	...	14		
Vaginal Swab	...	...	17	Mouth Swab	...	...	5		
Lung Swab	...	...	5	Brain Swab	...	...	2		
Fungal Swab	...	...	5	Laryngeal Swab	...	...	2		
Nasal Swab	...	...	5	Gastrointestinal Swab	...	...	2		
C.V.P. tube	...	...	6	Corneal Swab	...	...	5		
Urethral Swab	...	...	3	Tongue Swab	...	...	4		
Blood Culture	...	...	5	Clot Culture	...	...	2		
							Total	...	305

**Food Handler's Scheme :**

Number of food handlers clinically examined	...	...	...	1,226
Number of stool examination carried out	...	...	...	1,229
Number of urine examination carried out	...	...	...	1,365
Number of widal test carried out	...	...	...	1,066
Number of stool culture carried out	...	...	...	10
Number of urine culture carried out	...	...	...	5
<b>Total</b>				<b>4,901</b>

**Serology Section :**

No. of investigations carried out in Serology Section during the year 1979,--

Blood V.D.R.L.	...	16,335	C.S.F. V.D.R.L.	...	1,406
Blood Widal	...	2,949	Blood Welfelix	...	14
Poul bunnell	...	24	Formal gel	...	4
R.A. Factor	...	790	Brucellosis	...	3
ASO titre	...	103			
<b>Total</b>					<b>21,628</b>

**Food Handler's Scheme :**

Blood Widal	...	1,221	Urine	...	1,184
Stool	...	1,814			
<b>Total</b>					<b>3,589</b>
<b>Grand Total</b>					<b>25,217</b>

**(3) Department of Pharmacology****Investigations done at Thyroid Clinic :**

From 1st January 1979 to 31st December 1979

	No. of Patients
Thyroid uptake with I 131	365
Protein Bound I 131	234
Serum T3 charcoal uptake	355
Serum T4 assay	355
Radioiodine Therapy	11
Perchlorate discharge test	5
T3 suppression test	11
Liver Scanning	425
Radiophotographic P32 therapy	2

**Investigations done at Pharmacology :**

Semen Examination	...	600
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**(7) Blood Bank****(i) Blood collection :—**

Total — 6793

Voluntary Donors	5228	Replacement Donors	1554
No. of Out-door blood sessions	93	Professional Donors	11
No. of blood bottles brought from other Hospitals	792		

**(ii) Blood utilisation :—**

Issued to Nair Hospital patients	5549	Transfusion given from used bottles	6351
Blood bottles given to other hospitals and Blood Banks	1573	Blood bottles sent for plasma processing	340
Blood bottles discarded	79	Used for Anti Serum	13
Donors Blood Grouping	7430	Patient's (Routine) Blood Grouping	8055
Antenatal Blood grouping	2780	Cord Blood grouping	2644
M. T. P. Blood grouping	842	Antibody detection	147
Coomb's Test	153	Cold Agglutinating :—	
		Auto Antibodies	5
		Cold Antibodies	37
Cross matching	10415	Blood components therapy	1797



**(iii) Special Studies done:—****1. Neonatal Jaundice cases studied:**

a. ABO incompatibility ... 41      b. Rh incompatibility ... 29

**2. HBs studies in:**

a. Donors ... 5228      b. Replacement ... 1554

Total ... 6782

Positive 90.

Negative 6692.

**3. Reagents prepared:**

a. Anti B. ... 600 mls.      b. Anti A+B ... 500 mls.

**4. Antibody Titre Screening done in:**

A group ... 541      B Group ... 531

O Group ... 900

V. D. R. L. ... 2016      Bacteriological Quality Control ... 72

**APPENDIX XIII.****Number of patients.***Work load summary.*

Serial No.	Activity.	Actually 1979-80.	Budget Estimate. 1979-80.	Treated during 1979-80 Outdoor New cases	Indoor.	Total patients. 1978-79.	Total estimated patients for 1978-79.
1	Medicine.	1,03,895	1,15,890	76,209	10,045	86,254	1,25,892
2	Surgical.	88,027	89,127	60,191	10,315	70,506	89,321
3	Ophthalmic.	13,809	14,809	13,403	977	14,380	16,201
4	Gynaecology.	13,796	13,995	8,637	1,679	10,316	14,796
5	Skin & V.D.	31,381	32,482	39,755	167	30,922	32,926
6	Aural (E. N. T.).	25,844	26,856	17,996	3,015	21,011	35,480
7	Orthopedic.	27,130	23,242	19,466	3,593	23,059	28,850
8	Paediatric (Med.).	36,252	37,352	27,316	4,834	32,150	33,250
9	Tuberculosis.	3,000	3,500	2,171	1,250	3,421	38,452
10	Cardiology & Cardiac Surgery.	1,100	1,210	1,116	507	1,623	2,625
11	Gastroenterology.	936	1,010	622	402	1,024	1,310
12	Psychiatric.	5,199	5,282	3,669	1,142	4,811	5,621
13	Neuro Surgery.	785	875	476	296	772	1,032
14	Neurology.	810	934	429	289	718	1,035
15	Plastic Surgery.	918	1,030	697	334	1,031	1,200
16	Peritoneal Dialysis.	...	...	...	...	...	...
17	Thoracic Surgery.	...	...	1	...	...	..
18	Paediatric Surgery	...	...	...	...	...	...
19	Diabetics.	500	650	231	131	362	525
20	Haematology.	200	322	54	22	76	137
Total		3,53,582	23,73,516	2,63,438	38,998	3,02,436	4,28,653

**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. 2,43,73,170
	2.	On Out-patients	...	...	...	...	„ 48,74,634
	3.	Total Expenditure (Excluding New work)	...	...	...	...	„ 2,92,47,804
	4.	On New works	...	...	...	...	„ 22,086
(B)	1.	Average cost per In-patient per day	...	...	...	...	„ 64.82
	2.	Average cost per Out-patient per day	...	...	...	...	„ 12.49

**II.—RESULTS :—****(A)—IN-PATIENTS :—**

1.	Schedule bed strength	...	...	...	...	984
2.	Daily average In-patients in wards (Including Sarvodya & Raoli Camp) Paediatric Ward	...	...	...	...	1,040
3.	Admissions including those brought over from previous year and R. C. Paed. Ward.	...	...	...	...	52,135
4.	Number of patients discharged as					
	(i) Relieved	...	...	...	...	35,984
	(ii) As Cured	...	...	...	...	6,569
	(iii) Otherwise	...	...	...	...	4,735
	(iv) Expired	...	...	...	...	3,839
	(v) Remained in the Hospital on the last day of the year	...	...	...	...	1,008
	(vi) Daily average number of admissions	...	...	...	...	140
	(vii) Average stay of In-patients (Days)	...	...	...	...	7
	(viii) Highest In-patients on a single day	...	...	...	...	1,201

**(B) OUT-PATIENTS :—**

1.	New Out-patients attendance Including Raoli Camp.	...	...	...	...	3,72,312
2.	Daily average number of new Out-patients	...	...	...	...	1,217
3.	Highest O. P. D. attendance on a single day	...	...	...	...	1,246
4.	Number of Casualty attendance (Medico-Legal)	...	...	...	...	30,509

(C)	1.	Operations on In-patients	...	...	...	...	13,462
	2.	Operations on Out-patients	...	...	...	...	30,202

**(D) CONFINEMENTS :—**

1.	Booked Cases	...	...	...	...	1,647
2.	Emergency Cases	...	...	...	...	3,213
3.	Normal	...	...	...	...	4,346
4.	Abnormal	...	...	...	...	1,514
5.	Neonatal and Maternal Deaths					
	(i) Maternal Deaths	...	...	...	...	25
	(ii) Still Births	...	...	...	...	271
	(iii) Premature Live Born Infants	...	...	...	...	906
	(iv) Neo natal Death	...	...	...	...	185

**III.—SPECIALIZED TREATMENT :—**

1. Admissions in Resuscitation Ward	...	...	...	...	2,679
2. Sterilization					
(i) Male	...	...	...	...	15
(ii) Female	...	...	...	...	541
(iii) I. U. C. D. Inserted	...	...	...	...	184

**IV—RADIOLOGY :—**

1. X-Rays taken	...	...	...	...	85,359
-----------------	-----	-----	-----	-----	--------

**V—BLOOD BANK :—**

1. Blood samples collected from :—					
(i) Voluntary Donors	...	...	...	...	3,072
(ii) Relative Donors	...	...	...	...	1,350
(iii) Other Hospitals...	...	...	...	...	792
2. Bottles supplied	...	...	...	...	4,952

**VI—SCHOOL CLINIC :—****(A) Number of School Children treated :—**

1. New Cases	...	...	...	...	1,530
2. Repeat cases	...	...	...	...	10,740
3. Referred cases	...	...	...	...	460

**(B) EXPENDITURE ON CLINIC**

1,08,206.50

**VII—PHYSIO-THERAPY**

1. Out-patients treated	...	...	...	...	16,630
2. Number of treatments given	...	...	...	...	1,08,978
3. In-patients treated	...	...	...	...	15,330
4. Number of treatments given	...	...	...	...	97,901

**VIII—OCCUPATIONAL THERAPY**

1. Out patients treated	...	...	...	...	9,114
2. Number of treatments given	...	...	...	...	29,491
3. In-patients treated	...	...	...	...	8,474
4. Number of treatments given	...	...	...	...	1,07,641

**IX.—MEDICO SOCIAL SERVICE DEPARTMENT :—****(A) Direct Service :**

Number of cases handled on case work level and other long term cases .. 6,693

**(B) Medical Aid :**

Number of patients given medicines .. 22,143

**(C) Service to deaf School :**

There were 116 children on the role 60 in Marathi Medium, pre-primary, 20 in Hindi pre-primary, 6 are in 4th standard, 20 are in 2nd standard and 10 are in 1st standard.

**1— COLLEGE :—****1. ANNUAL EXPENDITURE AND REVENUE :—**

(A) 1. Expenditure including expenditure on hostel	...	...	...	...	57,41,133.88
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts	...	...	...	...	1,40,083.00
3. Revenue from post-graduate fees	...	...	...	...	37,305.00
(B) Income from Hostel	...	...	...	...	12,530.00
(C) 1. Gross Cost per student	...	...	...	...	9,530.00
2. Net cost per student	...	...	...	...	9,129.00

**2.—STUDENTS :—**

1. On roll as on 1st April 1980

377 Includdgs New Admissions

2. Number of students classwise

	Male	Female	Total
Ist M. B., B. S.	108	45	153
IInd M. B., B. S.	82	47	129
IIIrd M. B., B. S.	63	32	95
Post-Graduates on roll as on 1-4-1980	83	66	149
<b>INTERNS :—</b>			
Total No of interns as on 1-4-1980.	59	20	79

The Lokmanya Tilak Municipal General Hospital has completed 32 years of its existence rendering medical relief to the sick in this year & the Lokmanya Tilak Municipal Medical College has completed 14 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.

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 recommended this college for postgraduate training in various subjects and we have started enrolling students for postgraduate degree/diploma Courses from June 77 onwards.

Recently following super speciality departments have been Started in this institution.

Cardiology, Cardio-Thoracic Surgery, Plastic Surgery, Urology, Neuro-Surgery.

These departments were inspected by the University Committee in July 1979 and the university of Bombay has recognised these Departments for postgraduate training. We will be admitting students for post graduate training in these departments from June 1980 onwards.

Dr. V. N. Panse, Dean has retired due to Superannuation on 1st August 1979 and Dr. J. V. Bhatt, M. D. has been appointed as Dean from 9th August 1979.

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.) (Chem. MRFC, FCS. (Royal Inst. of Chem. London.)	Prof. of Biochemistry.
5	Dr. K. P. Deodhar	M. D.	Prof. of Pathology.
4	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 H. S.	Prof. of P. S. M.
9	Dr. (Mrs.) S. P. Cucheiker	M. D.	Prof. of forensic Medicine
10	Dr. M. V. Divkar	M. D.	Prof. of Medicine.
11	Dr. M. J. Gandhi	M. D.	Hon. Prof. of Cardiolog
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 Skin.
20	Dr. (Mrs.) D.A. D'Souza.	M.B.B.S. DPM.	Hon. Prof. Psychiatry.
21	Dr. M. D. Pand't.	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. Dental Surgeon.

**Admissions :**

60 students are admitted every year at this institution for M. B. B. S. course. The number of undergraduate students on roll as on 1-4-79 was 377 and that of postgraduate students 147.

D. M. L. T. course is being conducted at this institution with intake capacity of 10 students. The University of Bombay has allowed to enrol 10 students for M. Sc. (Biochemistry) by papers from this year and we have admitted 10 students for M. Sc. Biochemistry and M. Sc. (animal Physiology) by Research. Admissions are also given to the students for Ph. D. in Pharmacology. Admissions for M. Sc. (Occupational Therapy) have been started from June 78 term and 5 students are admitted every year in June term.

**Educational Activities :**

Besides regular teaching programme monthly scheduled meetings and clinical Cardiology conferences were held regularly. Scientific and Educational films shown to the staff and students.

**Interns :**

Graduates from university other than Bombay University are allowed to undergo Internship training at L. T. M. G. Hospital to the extent of 40 per year.

Results of the examinations, the Prizes won by the students, and those who stood first in the examination are shown in the statement (Appendix I & VII respectively) we have started competitive examinations in the subject of Anatomy, Physiology, Pharmacology and P. S. M. from this year for the students of I & II M. B. B. S. The names of the students who have won these prizes are given in Appendix VII.

Separate committee of students manages the students cultural and sports activities. The report of the performance of the year submitted by the Honorary 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 1966. It is recognised under Societies Registration Act and Public Trust Act. It is also exempted from paying Income Tax. Medical Officers working in this institution including Honorary, Assistant Hon. and full time Medical Officers upto the level of Tutors and Lecturers are the members of the Society. Annual subscriptions for each member is 25. Total number of membership as on 31st March 80, is 155.

**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 Rent of Rs. 70 per term is recovered from the students.

It is proposed to construct a 9 storeyed building for hostel for accommodation of 450 students.

**Library :** During the year, 787 books have been added to the collection totalling to 12,021 books. The Library has subscribed to 304 Titles of Journals.

From the L. T. M. M. College, the Budget Grant sanctioned for Library is Rs. 1,50,000 and that from the L. T. M. G. Hospital is Rs. 1,90,000.

**Annual Cost and Revenue :** The Total expenditure of College amounted to Rs. 12,61,291 during the year excluding establishment as against Rs. 11,49,712 during the previous year. The net revenue of the College by way of tuition fees and miscellaneous receipts etc., amounted to Rs. 2,36,298 as against Rs. 2,02,636 for the previous year.

**Mobile Accident Service :** A mobile Accident Service van attached to the Emergency Ward has attended 650 calls, 2,679 patients have been resuscitated 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. 51,090 Patients were admitted for Inpatient treatment during the year as against 51,463, 49,734, & 49,793, during the preceding 3 years respectively.

**Paying Patients :** Under the scheme which is effective from 1951, 1191 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 per cent. of the prescribed charges.

**Out-Patients :** Under the Out-patient Department has attended to 3,72,312 new patients. The highest in-patient and out-patient attendance (only new attendance) on a single day was 1,201 and 1,246 respectively.

**Afternoon Out Patient Department :** There are 4 out-patient Departments viz. Medical Surgical, Orthopaedic and Paediatrics running in afternoon. During the year 25,547 patients were treated in these departments.

**MEDICO LEGAL CASES:**

**Casualty Department :** 30,509 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 633 Medico-Legal cases. 2730 injury certificates were issued to the various Police Stations.

**Certificates :** 8,825 Certificates of different types were issued to the patients during the year under report.

**Minor Surgery Department :** 8,855 minor Operations were performed in the department during the year.

**Pathology Department :** 3,54,335 investigations were carried out and 1,604 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) Bhanbup Maternity, Hospital.
- (5) Chunabhatti Maternity Hospital.
- (6) Raoli Camp Hospital.

**Anaesthesia Department :** During the year, 15,805 patients have received anaesthesia in various theatres and minor surgery department.

2,742 patients were kept in recovery room. Out of these 156 patients were required to be treated with respirators.

**Department of Cardiology :** During this year cardiology department has made tremendous strides. It has got university recognition. Recognition of teachers and for the posts are in progress. During the year, Indian Society of Electro Cardiology formed by our cardiology group organised a seminar on Advances in Electro Cardiology.

**Mobile Coronary Unit :** The mobile coronary care unit was Instituted at this hospital on 29th April 1978. This van is available to needy patients of heart disease. After suspicion of heart attack any doctor can call for this van.

The work done in the Department during the year under report :—

(1) E. C. G.	..	13,311
(2) Echo Cardiograms	..	978
(3) Vetto-Cardiogram	..	9
(4) Haltr r-Cardiogram	..	75
(5) Treadmill Stress Tests	..	376
(6) Cardiac Catheter Laboratory		
R.T.H	L.I.H.	Coronary
145	110	94
		101

**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 395 persons have taken advantage of the same.

The Medical Health Check-up Scheme is an absolutely voluntary Scheme for the patients to come at their own to the Check-up centre.

**X-ray Department :** The work done in the X-ray Department during the year is as under :

(1) No. of patients	58,208	(4) Carotoid Angiogram	... 198
(2) No. of X-Rays	... 85,359	(5) Special investigations	... 1,130
(3) No. of Ba-meal, Ba-swallow & Ba-enema.	751	(6) Other Misc. investigations	56,129

**Dental Department :** 10,852 patients were treated for various tooth troubles.

**Anti Rabie Department :** 24,511 Patients were treated. both new and repeat

**Blood Bank :** The total number of Blood samples collected from voluntary donors was 3,072. The Total number of relatives donors was 1,350. The number of blood samples supplied for transfusion during the year was 4,952.

**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	31,960	2,06,879
2	Occupational Therapy	17,588	1,37,132

**Audiology and Speech Therapy Department:** During the year 1,404 patients have taken advantage of services of the department.

**Hand Injury Follow up clinic:** 53 Cases 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	...	...	...	...	15
(2) Sterilization Operations performed	...	...	...	...	541
(3) Loops Inserted	...	...	...	...	184
(4) Patients given oral pills	...	...	...	...	281
(5) Patients given condoms.	...	...	...	...	668

**School Clinic Department:** 1530 New and 10,740 old cases from 24 different Municipal Schools from the suburbs and 17 from City and 25 New and 25 old cases from 8 different secondary school were treated during the year. 26 Tonsils operations were performed on School Children, 486 Old primary and 25 old Secondary OPD Cases were treated on Saturday and Holidays during the year.

**Medico Social Service Department:**

(1) Medical Aid	...	...	...	...	22,143
(2) Social evaluation cases work services and Rehabilitation cases	...	...	...	...	6,693
(3) No. of Blood donation camps arranged.	...	...	...	...	66
(4) Voluntary Donors	...	...	...	...	3,072
(5) Relative Donors	...	...	...	...	1,350
(6) Total No. of Blood Bottle collected	...	...	...	...	4,422
(7) Child Guidance Clinic (New and Old cases)	...	...	...	...	2,735

**Preventive and Social Medicine Department**

**I.—Training:** The department imparted training to undergraduates, interns, post-graduates and Nurses as well.

**II.—Services:** (A) Work done at Static child Welfare Centre at L. T. M. G. Hospital and Raoli Camp Diagnostic Centre.

	L. T. M. G. Hospital	Raoli Camp
(1) New infant admissions	153	163
(2) Re-visits-infants	1,335	1,191
(3) New toddlers admissions	125	138
(4) Re-visits-Toddlers	2,116	1,556
(5) Deaths (Infants)	1	1
(6) Oral Polio	349	270
(7) Injection Triple	349	272
(8) Injection Vit D	65	39
(9) Injection Vit A	2	14
(10) Injection Tetanus Toxoide	8	22
(11) Oral Vit 'A'	48	39
(12) Home Visits	46	62
(13) Nutrition Distribution for Children per week	84	...
(14) Health talks to mother	63	...
(15) Field Trips for student Nurses	1	...
(16) Nutrition distribution for pregnant and lacting mother per week	16	...
(17) Lecture for Student Nurses.	92	...
(18) Cooking Demonstrations.	16	...

(B) Mobile Under Five Clinics in Slums—There are 5 Mobile under five clinics.

(1) Sewri-Wadala slum	}	New enrollment Immunization Polio and Triple Ing. T. T.	...	3,632
(2) Ghatla Village, Chembur			...	870
(3) Matunga Labour camp			...	249
(4) Lal Dongar, Chembur			...	

Malnourished children were given the following Nutrients

Total No. of Beneficiaries-85 Under Fives.  
15 Pregnant Mothers.

Quota of Nutrients given per Beneficiary Per Month—

Blended food (Wheat Soya Blend)	—1.5 Kgs.
Total	..150 Kgs.
Bulgar Wheat	2.5 Kgs.
Total	..250 Kgs.
Soya Bean Oil-0.500 gms.	50 Kg.

Total per person 4.50 Kg./Per month.

(E) School Health :

(1) Dharavi Schools

Total No. of Children Examined	..	845
D.T. (1st Dose)	..	806
Immunization T.A.B.C.	..	1,944

Film shows, Exhibitions, Demonstrations, celebration of W. H. O. Day and programmes related to Child Health Care were also arranged.

**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. Wherever maternity cases need immediate special attention such as supply of Oxygen, Blood transfusion and 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 16 such calls.

**Dispensary:** The work carried out in the Dispensary is as follows :

Out Patients	}	4,48,470
In Patients		
Special Prescription		
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 vial were manufactured according to the requirements of the hospital which numbered about two lakhs. About 500 transfusion sets per day were prepared, sterilized and supplied in dressing drums to entire hospital. Apart from central sterile supply to the operation theatre, sterilization work of all wards O. P. D.'s etc., was undertaken ranging between about 100 drums Per day.

**Non sterile preparations:** Liquid, enema soap and different concentration of ointments were supplied to the entire hospital.

**Nurses Training School:** During the year 74 student nurses were admitted for training in the General Nursing and 40 students nurses for midwifery, 70 and 40 student nurses were sent for general nursing and midwifery examinations respectively out of whom 49 general nursing and 40 midwifery students have passed.

**Ambulance services:** Round the clock ambulance service was maintained for reaching the admitted patients to the various wards. Mobile Accident Service Van donated by Messrs. India Tobacco Co. Ltd., through Bombay Pradesh Congress Committee which is equipped with a wireless set has started functioning from 1974.

**Poor Box Charity Fund:** The amount in the poor Box Charity Fund as on 31st March, 1979 stood at Rs. 8,44,137.04, Collection from the Boxes, donations and other miscellaneous receipts during the year amounted to Rs. 2,30,218.79 and expenditure through the Poor Box Charity Fund was Rs. 90,661.83. The total amount in the fund as on 31st March 1980 stood at Rs. 9,83,693.95.

**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. J. V. BHATT,  
Dean,  
L. T. M. G. Hospital, Slon.



## APPENDIX—I

## L. T. M. MEDICAL COLLEGE

## Results of Different Examinations.

Period	Examination	Appeared	Pas sed	Percentage of passin g	Name of the student stood first	Total Marks
April 1979	I M.B.B.S.	90	59	67%	Shri Bhamri P. H.	551/800
	II M.B.B.S.	70	55	78.5%	Smt. Subramaniam Shobha	572/800
	III M.B.B.S.	27	12	44.4%	Smt. Nalawde P. G.	581/1000
November 79	I M.B.B.S.	89	64	84.2%	Smt. Lalmalani A. G.	605/800
	II M.B.B.S.	25	17	74.2%	Shri Mehta Rashid S.	486/800
	III M.B.B.S.	74	54	73%	Shri Kumta S. M.	688/1000

## APPENDIX—II

## PAPERS READ AND PUBLISHED

Medicine	Dr. Divekar	<p>(1) "Advances in Medicine" before the Staff and Research Society of L. T. M. G. Hospital on 2nd February 1979.</p> <p>(2) "Future of Kidney transplants" before the Staff and Research Society of L. T. M. G. Hospital on 25th June 1979.</p> <p>(3) "Single-needle-dialysis and measurement of rise in venous blood flow after warming" This was presented before the Indian Society of Nephrologists on 22nd January 1979 at a conference of Association of Physicians of India held at Madras.</p> <p>(4) "Kidney and hypertension at Fertiliser Corporation of India's doctor's meeting in April 1979.</p> <p>(5) "Renal Transplants"—before A. P. I. (Bombay branch) meeting in March 1979.</p> <p>(6) "Progress in Medicine", Bombay Hospital Journal, Oct. 1979.</p>
	Dr. Nanivadekar	<p>"Hypertension in the young. A study of 50 cases below 30 years with special references to Angiotensin studies" has been published in a book "Progress in Cardiopulmonary diseases". Ed. Dr. Shantilal Shah and Dr. Paul Anand.</p>
	Dr. Gore	<p>(1) Wrote a review article on 'Pre-Excitation syndrome' with Dr. M. J. Gadhi</p> <p>(2) Wrote a paper on Electrocardiographic determination of normal cardiac parameters for normal Indian adult population. Send for publication to Indian Heart Journal.</p> <p>(3) Wrote a chapter on Mechanical complications of myocardial infarction along with Dr. A. P. Chaukar for a proposed book on cardiology.</p>
Pharmacology	Dr. H. L. Dhar	<p>(1) "Antigenicity of Cephalosporin"—Presented in South East Asian Western Pacific Regional Meeting of Pharmacologists at Yogyakarta, Indonesia held in June, 1979.</p> <p>(2) Thyroid function studies in patients suffering from Bronchial Asthma XIth Annual Conference of Nuclear Medicine held in New Delhi, November 1979.</p> <p>(3) "Education of mechanism of antihypertensive action of prazosin using platelet model" presented at Annual Conference of Indian Pharmacological Society held in Dec. 1979.</p>

- (4) 6 Atherosclerosis and Thrombocytolism Can they be conquered (Review article) Maharashtra Medical Journal 25 pp. 423, 1979.
- (5) 7 Daniel Bove's Drug actions and their relation to chemical structure (Review article) Maharashtra Medical Journal 26, pp 213, 1979.
- (6) Study of role of dopaminergic and noradrenergic mechanisms in metrazole convulsions in mice Ind. J. Med. Research 70 pp. 492, 1979
- Aural**
- Dr. K. C. Gadre
- (1) "Closure of the Nosestrils (Dr. Gadre's modifications) in the treatment of Atrophic Rhinitis" as Annual Conference of the International College of Surgeons held in Israel.
- Dr. K. C. Gadre  
Dr. V. S. Abhyankar  
Dr. N. Randive
- (2) "The efficacy of local application of Betnovate cream in the treatment of Allergic Rhinitis" A trial was conducted on the above subject, for M/s. Glaxo Laboratories.
- Dr. K. B. Bhargava  
Dr. T. Shah  
Dr. V. S. Abhyankar
- (3) "Treatment of Allergic and Vasomotor Rhinitis by the Local application of Silver Nitrate" published in the journal of Laryngology and Otology, London.
- Dr. K. B. Bhargava
- (4) "Oil as per drops" at the zonal conference on Otolaryngology held at Poona.
- Dr. K. C. Gadre  
Dr. T. M. Shah  
Dr. K. B. Bhargava  
Dr. K. P. Decdhar
- (5) "Doxycycline in acute infection of the ear, nose and throat" was published in the Bombay Hospital Journal.
- Psychiatric**
- Dr. P. D. Lakdawala  
Dr. (Mrs.) D. A. D'souza  
Dr. M. P. E. Bharucha
- (1) Enuresis in children's at Indian Psychiatric Society (West Zone Branch) 10th Annual Conference.
- Dr. A. R. Singh  
Dr. M. T. Gada  
Dr. K. P. Dava  
Dr. (Mrs.) D.A. D'souza  
Dr. S. Y. Kalelkar  
Dr. C. J. Bhonde  
Dr. R. G. Barve  
Dr. A. R. Singh  
Dr. K. P. Dave
- (2) Analysis of the content of Delusions—A Socio-Cultural study of Paranoid Psychotics at Indian Psychiatric Society (West Zone Branch) 10th Annual Conference.
- (3) The Psychotorist's Dilemma this profession and its Earning at Indian Psychiatric Society (West Zone Branch) 10th Annual Conference.
- Dr. K. P. Dave  
Dr. A. R. Singh
- (4) Becoming & Psychiatrist at Indian Psychiatric Society (West Zone Branch) 10th Annual Conference.
- Dr. A. R. Singh
- (5) The patient who bores at Indian Psychiatric Society (West Zone Branch) 10th Annual Conference.
- Dr. (Mrs.) D. A. D'souza
- (1) Enuresis—Community Psy JR, Vol 5 No. 2 pg 9-13, June 1979
- (2) Behaviour Problems in Children Community Psy. JR Vol 5, No. 2 Pg. 19-22- June 1979
- (3) Parent Counselling Community Psy, JR, Volts No. 2, Pg 29-30, June 1979.
- (4) Psy. Aspects of Sterlization. The Clinician, Vol-43, No. 5, Pg 176-180 May 1979.
- (5) Day Care Centre ( Review of 40 Schizophrenic Cases. The Indian JR. of Occupational Therapy. Vol6, No. 3, Pg 17-19, Dec. 78.
- (6) Childhood Depression Pediatric Clinics of India 14, 23-26.
- Dr. M. T. Gada
- Behaviour Therapy The Bombay Hospital Jr. 20 Pg. 47-56 (1978)

**Dermatology  
Venereology  
Leprosy**

**Dr. V. R. Mehta**

- (1) Basal Cell epithelioma in Pigmented Nevus-Indian Journal of Medical Sciences, 979 33, 214-316.
- (2) Note on Insect bite allergy-Indian Journal of Dermatology Venereology and Leprosy-1979.
- (3) Ulcerative Basal Cell Epithelioma with Com-dinus changes in Junctional nevus-Modified Version—in Proceedings of the XV International Congress of Dermatology"—pp 420-423— V. R. Mehta.
- (4) Keratotic Papular lesions on the chin of young females, at the 1st
- (5) Korea-Japan joint meeting of Dermatology, Seoul-South Korea 12-14th October 1979.
- (6) Therapy of Dermatologic Disorders-Guest Lecture at the General Practitioner's Conference in Bombay 1979.
- (7) Complication of Thalassaemia and Eczematization and Hemosid varicose Veins giving rise to Paramalleolar Ulceration Eczematization and Hemosiderosis Indian Association of Dermatology Venereology and Leprosy meeting held at L. T.)M. M. College.

**Dr. V. R. Mehta  
Dr. P. M. Maniar**

- (8) Larva Migrans in a young boy mimicking lesions of ringworm Indian Association of Dermatology, Venereology and Leprosy meeting held at L. T. M. M. College in Sept. 79.

**Dr. V. R. Mehta  
Dr. R. V. Ranade**

- (9) Study of Three Cases of Reiter's Syndrome. Indian Association of Dermatology Venereology Leprosy meeting held at L.T.M.M. College in September 1979.

**Dr. R. G. Valia  
Dr. Y. M. Shah**

- (10) Study of Familial anthralma with Type II-Lipoproton pattern Indian Association of Dermatology Venereology and Leprosy meeting held at L. T. M. M. College in Sept. 1979.

**Dr. R. G. Valia**

- (11) Common Viral Skin Diseases Doctor to Doctor January-March 1979. Vol. 3 No. 1 P. 13-23.
- (12) Vitiligo and Leucoderma "Bombay Hospital Journal" October 1979 Vol. 21 No. 4, P. 42-46.

**Department of  
P. S. M.**

**Dr. (Mrs.) Kekre**

- (1) Dr. A. B. Chaudhri, Dr. (Mrs.) M. M. Kekre and Shri T. T. Patil, Nutritional Assessment of Children in a slum An anthropometric survey 23rd IPHA conference at Aurangabad.
- (2) Dr. (Mrs.) S. A. Prabhu Parasitism in slum children 23rd Conference of I. P. H. A. at Aurangabad.
- (3) Changing pattern of small family norm in urban Slums Dr.(Mrs.) M. M. Kekre at the XVIth National Conference of Indian Academy of Paediatrics at Calcutta.
- (4) "Cardiopulmonary lesions in School Health Services" Dr. (Mrs.) M. M. Kekre & Dr. R. Khanna. in "Progress in Cardio pulmonary Diseases" by Anand & Shah, 1979.

**Department of  
Anaesthesiology**

**Dr. S. S. Mehta**

- (1) Dr. S. S. Mehta read a paper on statistical methods and Analysis of results Gwalior Indian Society of Anaesthetist Conf. 1979. December.
- (2) Dr. S. H. Pantvaidya read a paper on calibration of Indigenous Vaporizers by Gas Chromatography.

**Department of  
Physiology**

**Dr. (Smt.) V. D. Joshi**

- (1) "Studies on Effect of Ingestion of glucose on Fibrinolytic activity and Prothrombin time in diabetic and nondiabetic person,

Department of  
Surgery Mulund  
General Hospital  
Mulund (West).

Dr. H. S. Bhanushali

- (1) Management of Pulmonary Cyst at International College of Surgeons Conference at Paris.
- (2) Management of Tuberculous Cervical Lymphadenopathy at International College of Surgeons Conference at Paris.
- (3) Management of Achalasis Cardia (Study of 15 cases) Paper read in World Congress on Cardio-Thoracic diseases.
- (4) Speaker in the Symposium on Modern trends in Surgical Management of Pulmonary Tuberculosis at Bombay (Western Chapter of Associations of Surgeons of India).
- (5) Paper published Papillary Adenocarcinoma of Epididymis.

Paediatrics Medical

Dr. V. B. Athavale

- (1) "Rape" in Children—Paper presented at the 2nd International Congress of Child Abuses & Neglect, September, London and presented at the XVIIth National Conference of the Indian Academy of Paediatrics at Calcutta, January 1979.
- (2) "Newborn deaths in an Orphanage" An Analysis. Paper presented at the XVIIth National Conference of Indian Academy of Paediatrics, Calcutta, January 1979.
- (3) "Comparative study of Neonatal infections Nursery V/S direct Ward admissions." Paper presented at XVIth National Conference of Paediatrics at Calcutta, January 1979.
- (4) "Clinical Post-mortem and histopathological study of Newborns who died of respiratory pathology". Paper presented at XVIIth National Conference of Paediatrics at Calcutta, January 1979.
- (5) Hand Book of Paediatrics Dr. V. B. Athavale Revised 2nd Edition in 1979.

Dr. (Mrs.) M. N. Mehta

- (1) "Kidnapping" A Social Evil. Meenakshi N. Mehta, Shalini S. Bhatt and M. G. Gore.
- (2) "Rape" in children Meenakshi N. Mehta, M. R. Lokeshwar, Shalini S. Bhatt, B. V. Athavale, and S. B. Kulkarni.  
  
Paper 1 & 2 presented at the 2nd International Congress of Child Abuse & Neglect, September London and presented at the XVIIth National Conference of the Indian Academy of Paediatrics at Calcutta, January 1979.
- (3) "Intracranial teratoma in a Newborn with Hydrocephalus A case report." Shalini S. Bhatt, S. C. Athyankar, Jayashri Kamath, Nikhil Munshi, Meenakshi N. Mehta Paediatric Clinics of India January, 1979.
- (4) "Arm circumference, an useful index for the Assessment of Nutrition in the New born in various socioeconomic groups." Meenakshi, N. Mehta, P. S. Moradwar, M. R. Lokeshwar, Shalini S. Bhatt Y. T. Oak and T. T. Patil.
- (5) "Adoption A social challenge". Meenakshi N. Mehta, Parvathi Krishnan and Nirupa N. Munshi.
- (6) "Child Abuse & Neglect in India". Meenakshi N. Mehta, Nirupa N. Munshi, K. V. Achan and Parvathi Krishnan.
- (7) "Environmental Infection and Sepsis in the Newborn". Hemir V. Ganla, Meenakshi N. Mehta, Leena Doodhar.

- (8) "Newborn Deaths in an Orphanage" An Analysis. V. G. Tuteja, M. R. Lokeshwar, A. R. Fernandes, Meenakshi N. Mehta, Y. B. Athavale and Parvathi Krishnan.

Papers from 4-8 presented at the XVIth National Conference of the Indian Academy of Pediatrics, Calcutta, January 1979.

- Dr. (Mrs.) A. Fernandez
- (1) "Newborn deaths in an Orphanage" An Analysis. Paper presented at the XVIth National Conference of India Academy of Paediatrics, Calcutta, January 1979.
  - (2) "Comparative study of Neonatal infections Nursery V/s direct ward admissions". Paper presented at XVIth National Conference of Paediatrics at Calcutta, January 1979.
  - (3) "Clinical Post-mortem and histopathological study of New-borns who died of respiratory pathology". Paper presented at XVIth National Conference of Paediatrics at Calcutta January 1979.
- Dr. (Miss) M. H. Rupani
- (1) "Comparative study of Neonatal infections Nursery V/s direct ward admissions." Paper presented at XVIth National Conference of Paediatrics at Calcutta, January 1979.
  - (2) "Clinical Post-mortem and histopathological study of Newborns who died of respiratory pathology". Paper presented at XVIth National Conference of Paediatrics at Calcutta January 1979.
  - (3) "Purpura Fulminans" Case report. Published in Paediatric Clinics of India, April 1979.
- Dr. V. G. Tuteja
- (1) "Comparative study of Neonatal infections Nursery V/s direct ward admissions". Paper presented at XVIth National Conference of Paediatrics at Calcutta, January 1979.
  - (2) "Clinical Post-mortem and histo-pathological study of Newborns who died of respiratory pathology". Paper presented at XVIth National Conference of Paediatrics at Calcutta, January 1979.
  - (3) "Purpura Fulminans" Case report. Published in Paediatric Clinics of India, April 1979.
- Dr. (Mrs.) N. N. Munshi
- (1) "Adoption A social Challenge" Meenakshi N. Mehta, Parvathi Krishnan and Nirupa N. Munshi. Paper presented at the XVIth National conference of the Indian Academy of Paediatrics, Calcutta, January 1979.
  - (2) "Child Abuse & Neglect in India". Meenakshi N. Mehta, Nirupa N. Munshi, K. V. Achan and Parvati Krishnan. Paper presented at the XVIth National conference of the Indian Academy of Paediatrics, Calcutta, January 1979.
- Dr. M. R. Lokeshwar
- (1) "Rape" in children Meenakshi N. Mehta, M. R. Lokeshwar, Shalini S. Bhatt V. B. Athavale, and S. B. Kulkarni. Paper presented at the 2nd International Congress of child Abuse & Neglect, September, London and presented at the XVIth National Conference of the Indian Academy of Paediatrics at Calcutta, January 1979.
  - (2) "Arm circumference, an useful index for the Assessment of Nutrition in the Newborn in various socio-economic groups." Meenakshi N. Mehta, P. S. Moralwar, M. R. Lokeshwar, Shalini S. Bhatt, Y. T. Oak and T. T. Patil. Paper presented at the XVIth National Conference of the Indian Academy of Paediatrics, Calcutta, January 1979.

- (3) "Newborn deaths in an orphanage"—An Analysis. V. G. Tutuja, M. R. Lokeshwar, A. R. Fernandez, Moonakshi N. Mehta, V. B. Athavale and Parvathi Krishnana. Paper presented at the XVIIth National conference of the Indian Academy of Paediatrics, Calcutta January 1979.

## RESEARCH

- |                             |                                   |   |
|-----------------------------|-----------------------------------|---|
| Department of<br>Medicine   | Dr. Divekar M. V.                 | <ul style="list-style-type: none"> <li>(1) H<sub>2</sub> receptor antagonist in duodenal ulcer.</li> <li>(2) Liver disease in chronic alcoholics.</li> <li>(3) Antipyrine studies in liver Cirrhosis/benign liver tumors before and after therapy.</li> </ul>   |
| Department of<br>Physiology | Dr. Dabholkar                     | <ul style="list-style-type: none"> <li>(1) Dr. Moorthy is studying the effect of 'Scorpion Venom from Bathus Tamulus on Na<sup>+</sup>—K<sup>+</sup> ATPase, Mg. <sup>++</sup> ATPase and Ca<sup>++</sup>ATPase activities isolated from Cardiac Sarcolemma in Rabbits/Dogs.</li> <li>(2) "Estimation of Monoamine oxidase in different tissues", and Effect of Scorpion Venom from Bathus tamulus on NA<sup>+</sup>—K<sup>+</sup> ATPase Mg<sup>+</sup> ATPase and Ca<sup>++</sup> ATPase activities isolated from RBC members in dogs and rabbits and Glycogen estimation from cardiac muscle and liver.</li> </ul> |
| Department of<br>Ophthalmic | Dr. Joglekar M. D.                | <ul style="list-style-type: none"> <li>(1) Pre and Post operative Keratometry in Cataract Surgery.</li> <li>(2) Ocular Birth injuries Causes and incidence, of effects.</li> </ul>  |
|                             | Dr. Sathe S. M.                   | <ul style="list-style-type: none"> <li>(1) Cataracts in early life-causes and investigations</li> <li>(2) Mistopathology of Pflucton</li> <li>(3) Intra ocular soft lens implants in rabbits and cats-study of effects and tissue tolerance (through the staff research Soc. LTMGH).</li> <li>(4) Dark adaptation time and vitamine A blood levels in normal and deficient school children.</li> </ul>  |
|                             | Dr. P. N. Vasa<br>Dr. V. C. Mehta | <ul style="list-style-type: none"> <li>(1) Study on laxis and glaucoma</li> <li>(2) New method of Retrobulber injection.</li> </ul>   |
|                             | Dr. Miss. Motwane                 | <ul style="list-style-type: none"> <li>(1) Inter-relation between glaucoma and cigarette smoking</li> <li>(2) Comparison of cup/disc ratio and fields in glaucoma</li> </ul>  |
|                             | Dr. Mehta V. C.                   | <ul style="list-style-type: none"> <li>(1) Headache—Investigations and Ophthalmic causes in its incidences.</li> </ul>  |

## CONFERENCE ATTENDED &amp; HONOURS CONFERMED ON THE STAFF

- |                               |  |
|-------------------------------|--|
| Department of<br>Pharmacology | <ul style="list-style-type: none"> <li>(1) Prof. H. L. Dhar attended an expert Committee meeting for recommending the guide line on "Application of Immunological Researches to the Needs of Community in developing countries" in the International Conference on Pharmacologists held in Yogyakarta, Indonesia in June 1979.</li> <li>(2) Prof. H. L. Dhar, also attended XIth Annual Conference of Nuclear Medicine held in New Delhi in November, 1979.</li> <li>(3) Dr. (Mrs.) V. N. Dabkar attended the Annual conference of Indian Pharmacological Society held in December, 1979.</li> <li>(4) Prof. H. L. Dhar was invited to give a guest lecture in Dept. of Pharmacology, University of Indonesia, Jakarta in June, 1979, which he delivered on 30-6-79 on "Development of B. Pertussis Vaccine as an Antidiabetic agent and its clinical trial."</li> </ul> |
|-------------------------------|--|

(5) Prof. H. L. Dhar was invited to participate in a symposium on "Application of Immunological Researches to the needs of Community in developing countries in the International Conference on Pharmacologists held in Yogyakarta, Indonesia held in June, 1979, where he spoke on the Immunological aspects.

**Department of Dermatology**

(1) Dr. V. R. Mehta, attended the 1st Korea-Japan joint Meeting of Dermatology, Seoul-South Korea in Oct. 1979 where he was conferred "Honorary Membership of the Korea Association of Dermatology."

**Department of E. N. T.**

(1) Dr. K. C. Gadre, attended the Annual Conference of the International College of Surgeons held in Israel.  
(2) All India ENT Conference at Nagpur.  
(3) Annual Conference of the Indian Medical Association (Maharashtra State).

**Department of Gynaecology & Obstetrics**

The Department took active part in the following conferences.  
(1) 7th Annual Conference of the Bombay Obst. & Gynaec. Society (June).  
(2) IXth world congress Obstetrics & Gynaec.  
(3) 1st National Congress of Gynaec. Endoscopy.  
(4) First Asian Conference on abortion & tubal ligation.  
(5) All India Conference of Obst. & Gynaec.

**Department of Occupational Therapy**

(1) Mr. S. T. Bhat, Head Occupational Therapist, participated in the panel discussion at the 20th Conference of A. I. O. T., Association held at 'Ahmedabad' from 14th November to 17th November 1979.  
(2) Mrs. S. George Asst. O. T. & Miss Y. A. Manki, Asstt. O. T. attended the 20th Conference of A. I. O. T. Association held at 'Ahmedabad' from 14-11-79 to 17-11-79.

**Department of Physio Therapy**

(1) Mrs. Bharati Bellare (Head P. T.) and Mrs. Rashmi Khetarpal were deputed for attending the Annual conference of Indian Association of Physio-therapists at Madras in March 1979.

**APPENDIX No. III  
STATEMENT SHOWING SCHEDULE BEDS ACCORDING TO  
DEPARTMENTWISE & SEX WISE**

Department	Male	Female	Children	Unclassified	Total
<b>(A) Non-Paying Beds :</b>					
<b>Teaching Beds</b>					
Medical	120	36	..	..	156
Surgical	120	36	..	..	156
Orthopaedics	36	24	12	..	72
Gynaec	..	36	..	..	36
Obstetrics & PPM	..	120	..	..	120
E.N.T.-Aural	14	6	10	..	30
Ophthalmic	18	14	8	..	40
Dermatology & 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
<b>Total</b>	<b>356</b>	<b>294</b>	<b>200</b>	<b>56</b>	<b>906</b>
<b>(B) Paying Beds-Non Teaching Beds :</b>					
Medical	17	9	..	..	24
Surgical	17	10	..	..	27
Gynaec & Obstetrics	..	15	..	..	15
<b>Total</b>	<b>34</b>	<b>34</b>	<b>..</b>	<b>..</b>	<b>68</b>
<b>(C) Beds Reserved for B.E.S.T Undertaking Staff</b>					
Medical	5	..	..	..	5
Surgical	5	..	..	..	5
<b>Total</b>	<b>10</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>10</b>
<b>Grand Total</b>	<b>400</b>	<b>328</b>	<b>200</b>	<b>56</b>	<b>984</b>

## APPENDIX No. IV

(A) The departmentwise distribution of 51,090 admitted patients plus 1,045 previous year remaining as on 31-12-1978 is given below along with respective figures of previous year.

Sl. No.	Name of the Department	Patients treated	
		1978	1979
1	Medical	15,452	14,918
2	Surgical	12,448	11,253
3	E. N. T.	1,693	1,294
4	Ophthalmic	1,194	1,223
5	Skin	193	203
6	Dental	Nil	Nil
7	Paediatric	7,132	7,152
8	Psychiatric	593	658
9	Orthopaedic	3,176	2,564
10	Gynaec	1,355	1,517
11	Obstetric	8,205	8,102
12	Neuro Surgery	..	159
13	Cardiology	..	110
14	Cardio Vascular Thoracic Surgery	..	63
15	Plastic Surgery	..	244
14	Urology	..	276
17	Paediatric Surgery	..	256
18	Raoli Camp Paediatric Ward	..	1,198
19	Previous year's remaining patients	957	1,045
Total		52,420	52,135

## (B) Results of treatment.

Hospital.	Cured.	Relieved	Other-wise	Delivered	Expired
L. T. M.G. Hospital & Annapurna bai Deshmukh Hospital for women	6,569	35,984	4,735	4,821	3,604

## (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.
1,350	527	1,727	3,604

## APPENDIX No. V.

List of persons who have donated Rs., 500 and above during the year.

Sr. No.	Name of the Party	Amount	
		Rs.	P.
1	Messrs. R. R. Agencies	2,000.00	..
2	Thanwardas Tharumal	500.00	..
3	Lions Club of Sion	1,000.00	..
4	Dr. S. S. Raut	500.00	..
5	Lions's Club of Wadala	600.00	..
4	Giants Group of Sion	1,000.00	..
7	Shri V. G. Chiplunkar	500.00	..



## 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.
<b>In-Patient :</b>							
1978-79	4.01	15.14	2.88	4.78	1.45	26.82	56.52
1979-80	3.53	16.21	4.09	5.01	3.72	32.25	64.82
<b>Out-Patient:</b>							
1978-79	Nil.	3.33	0.63	0.89	0.32	5.90	11.38
1979-80	Nil.	3.30	0.83	1.02	0.76	6.58	12.49

## APPENDIX VII

Prizes and Awards received by the students during the year (April 79 to March 980).

- (1) Dr. R. S. T. mbr Prize for standing 1st in Final MBBS Exam.....Shri Kumta S. M.  
held in Nov. 79.
- (2) Smt. Shantabai K. Rao Prize for standing first in Medicine....Miss Renu Gupta,  
in Final MBBS exam held in November 1979.
- (3) Dr. G. S. Ambardekar Scholarship for standing first in.....Miss Lalmalani A. G.  
I MBBS Exam. held in November 1979.
- (4) B. R. Damle Memorial Gold Medal In Medicine. ..Shri Turakhia D. P.  
B. R. Damle Memorial Gold medal in Preventive & Social Medicine. Shri Kapasi K. D.
- (5) Dr. G. M. Phadke Memorial Award in Surgery. ..Miss Navre V. 1st prize.  
Shri Kumta S. M. 2nd. prize.  
Dr. G. M. Phadke Memorial Award in Pharmacology Miss Monita Kapoor
- (6) Shri B. M. Bhargava Memorial Prize in Obst. & Gyn. ..Shri Anoopkumar 1st. prize.  
Miss Mallika V. 2nd. prize.

## APPENDIX No. VIII.

Performance Targets and Achievements 1979.

Activity	Name	TARGETS		ACHIEVEMENTS	
		Outpatients	Inpatients	Outpatients	Inpatients
2	Medicine	71,000	15,500	62,463	14,918
3	Surgery	77,500	1,300	68,646	11,251
4	Gyn. & Obst.	19,500	10,000	19,808	9,619
5	Paediatric	30,000	8,000	30,927	7,152
9	Casualty	40,000	..	30,509	..
10	Orthopaedic	25,000	3,500	23,473	2,564
11	E. N. T.	12,000	1,700	12,812	1,294
12	Ophthalmology	11,900	1,200	11,997	1,123
13	Skin and V. D.	22,000	500	20,360	203
19	Psychiatric	2,000	600	1,271	658
23	O. T. Treatments	} 50,000	..	29,491	1,07,641
	P. T. Treatments			1,08,978	97,901
27	Dental	11,000	..	10,852	..
38	Dispensary	4,60,000	..	4,48,470	..
47	Social Service	24,000	..	28,836	..
53	Paying Ward	..	1,300	..	1,151
7	Radiology	.. No. of X-Ray Plates	92,000	..	85,359
14	Blood Bank—				
	(i) Collection of Blood Bottles	..	6,500	..	5,214
	(ii) Blood Bottles issued	..	6,300	..	4,952
21	Pharmacy	No. of infusion Bottles	1,34,000	..	95,127
		No. of vials	63,000	..	55,983
22	Emergency Ward Accident Services	No. of patients admitted	3,000	..	2,679
	Emergency calls	..	1,200	..	650
46	L. b. Service	Total investigations	3,93,000	..	3,54,336
51	Anesthesiology	No. of patients	19,000	..	18,703
52	Operation Theatre	No. of Operations	18,000	30,202	13,462

# THE NAIR HOSPITAL DENTAL COLLEGE

## High Lights :

(1) Income ... Rs. 2,92,191.00 (ii) Expenditure ... Rs. 38,17,418.00

Students Section : University Examination results.

Examination	Total No. of students		Total No. of students passed	
	April 1979	Oct. 1979	April 1979	Oct. 1979
I.—B.D.S.	61	17	48	12
II.—B.D.S.	20	25	17	22
III.—B.D.S.	53	20	45	15
IV.—B.D.S.	51	27	41	24
<b>Total</b>	<b>185</b>	<b>89</b>	<b>151</b>	<b>73</b>
I.—M.D.S.	17	7	12	5
II.—M.D.S.	12	12	7	10
<b>Total</b>	<b>29</b>	<b>19</b>	<b>19</b>	<b>15</b>

## Patients treated :

(i) Out Patients ... 1,39,107 (ii) Daily average ... 506  
(iii) New patients 139

Poor Box Collection Rs. 19,702.00

The College conducts 4 years course in Dentistry leading to the Degree of Bachelor of Dental Surgery as also post graduates course in 7 Dental subjects leading to the Degree of Master of Dental Surgery of University of Bombay.

## Educational Activities and Seminars :

### Seminars :

During the year eminent specialists in various branches of dentistry visited the college and delivered lectures.

(a) Dr. Jorgen Theilade, Associate Professor & Head of the Department of Electron Microscopy, Royal Dental College of Aarhus, Denmark, gave two interesting lectures. Similarly Dr. (Miss) Else Theilade, Associate Professor of Microbiology, from Royal Dental College, Aarhus, Denmark, gave lecture on chemical aillwoods in plague prevention in addition to these lectures both these specialists had exchange of thoughts and discussion on various problems of teaching and research with the staff members of Periodontology Department.

(b) Prof. R. B. Lucas of University of London, Prof. of Oral Pathology conducted a Seminar from 28th to 30th January 1980 on Oral tumours and cysts. There were present Oral Pathology teachers from many Dental Colleges in India. Discussions with Prof. Lucas on diagnosis problems in histopathology were very valuable and revealing to all. Colour slides were also presented to the Oral Pathology dept. by Prof. Lucas.

(c)(i) Dr. D. K. Madan, consultant oral surgeon from Essex, London, delivered lecture on "Preprosthetic Surgery". (2) Prof. Dr. E. Kruger from West Germany, delivered lecture on "Maxillary Ostotomy and recent advances, "in oral surgery."

### Hostel :

Nair Hospital Dental College Hostel for gents 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 443 books have been added to the collection totalling to 5273 books. The no. of periodicals subscribed is 69. The total no. of bound volumes of journals is 1220.

### Special Equipments :

The College has 124 Dental chairs, 101 Dental Units 120 Bench type Engines, upto date Operation Theatre, latest drilling equipment including Airtors and Airmotor. And 4 X-Ray Units including 200 M.A. X-Ray Unit with Tomographic facilities for the treatment of the dental patients. A leitz R-provit-II a Universal Unit has been added to facilitate general radiography and monography for teaching under graduate and post-graduate students.

The College has a ward of 10 beds (Male 5 and Female 5) specifically for Dental in-patients. The number of patients admitted during the year 1979-80, was Male patients 85 Female patients 30, Female children 9 and male children 15, i.e. in all 139 patients were treated.

The staff engaged for the services in college is 347 Para Dental 17, Non-Medical 197, Dental 106 and Medical 127.

### Resume of work done in the College :

The total number of dental out patients treated in different dental clinics of the college was 1,39,107 including school children in the morning as well as in the evening Clinics which included 64,675 males 46,465 females and 27,967 children. The details of work carried out in different departments are given in the appendices A to K attached here with.

During the year a revenue of Rs. 2,92,191 was collected by way of fees from the students and charges from the patients as against Rs. 2,86,351 during the preceding year. The total expenditure incurred is Rs. 33,17,418.00 as against Rs. 26,57,691.00 during the preceding year. 21,794 School children including Municipal School children were treated in children's Clinic during the year.

S. T. TALIM, B.D.S. M.D.S.

Dean,

Nair Hospital Dental College,



## APPENDIX 'B'—(Cyna)

## (B) EXODONTIA DEPARTMENT.

Clinical Yearly Report from 1st April 1979 to March 1980.

Serial No.	Description	Morning	Evening	Total
1	New	20,297	6,631	26,928
2	Old	11,822	4,460	16,282
3	Total patients.	32,119	11,091	43,210
4	Male	16,571	6,209	22,780
5	Female	13,622	4,040	17,662
6	Children	1,926	842	1,768
7	Consultation	1,964	716	2,680
8	Prescription	5,568	1,579	7,147
9	Teeth Ext.	34,527	10,184	44,711
10	G. A. Ext.		184	184
11	Root Exts.	414	168	582
12	Abscess Incise	17	7	24
13	Alveolotomy	46	21	67
14	Flap Removed.	25	4	29
15	Impacted Third Molar.	12	10	22
16	Rs.	24,911	8,047	32,958
17	Free.	404	1,715	2,119

## APPENDIX 'C'

## DEPARTMENT OF ORAL PATHOLOGY AND BACTERIOLOGY.

Administrative report from 1st April 1979 to 31st March 1980.

Serial No.	Description.	Nos.
1	Pathology Biopsies.	17
2	Surgical Biopsies.	183
3	Total No. of Biopsies.	200
4	No. of Paraffin Blocks.	245
5	No. of Teeth Blocks.	34
6	Recutting of Blocks.	48
7	Total No. of Blocks cut.	328
8	Total No. of Paraffin slides.	1,312
9	No. of Slides routine stain	350
10	No. of Slides special stain.	228
11	Total No. of Slides Stain	578
12	No. of Ground Sections.	50

## BLOOD INVESTIGATION

## Haematological :

13	No. of Haemoglobin.	520
14	Bleeding time.	495
15	Clotting time.	495
16	No. of WBC (Total Count).	520
17	No. of White Cell Morphology.	520
18	Platelet count.	35
19	Erythro cyte Sedimentation Rate.	50
20	Grouping and cross matching.	75

## Biochemical Investigations :

21	Blood Sugar.	50
22	Blood urea nitrogen.	2
23	Serum Alkaline Phosphatase.	20
24	Serum Calcium Phosphatase.	20
25	Serum Cholesterol.	5
26	Prothrombin time and index.	1
27	Serum Bilirubin.	2
28	SGOT PT.	3
29	Serological Investigator. V. D. R. L.	50

Serial No.	Description	Nos.
<b>Bacteriological Investigation ;</b>		
30	Culture and Sensitivities.	50
<b>Urine Investigation :</b>		
31	Urine Sugar.	400
32	Urine Albumin.	400
33	Bile Salt.	400
34	Bile Pigment.	400
35	Microscopic.	400

**APPENDIX D.  
RADIOLOGY DEPARTMENT.**

Details of Radiographs taken and reported for the year 1-4-1979 to 31-3-1980.

1	No. of patients.	10,012
2	No. of Extra-oral films.	2,719
3	No. of Intra-oral films.	14,058
4	No. of Occlusal films.	283

**APPENDIX 'E'  
DEPARTMENT OF PERIODONTOLOGY.  
Clinical Report from 1-4-1979 to 31-3-1980.**

Serial No.	Description	Morning	Evening	Total
1	New Patients	7461	3575	11,036
2	Old Patients	10,223	8,437	18,660
3	Total Patients	17,684	12,012	29,696
4	Male	10,628	7,350	17,978
5	Female	6,749	4,426	11,175
6	Children	307	236	543
7	Consultation	7,680	3,749	11,429
8	Medication	643	401	1,044
9	X-Ray	344	231	575
10	Scaling (Seating)	7,128	5,757	12,885
11	Completed Cases (Scaling)	3,438	2,491	5,929
12	Free	655	502	1,157
13	Curettage	125	93	218
14	Gingivectomy	202	112	314
15	Free	113	71	184
16	Other Periodontal Operations	...	..	...
17	Pack placed or Removed	193	101	294
18	Impressions	9	7	16
19	Splints	5	3	8
20	Occlusal Adjustments	5	5	10
21	Acute Infections	...	...	...
22	Flap Operation	102	90	192
23	Intra-mascular Injection	181	39	220
24	Intra-venous Injection	..	...	...
25	Amount collected . (Rupees)	14,403.00	11,105.00	25,508.00

## APPENDIX 'B'

## OPERATIVE DEPARTMENT

Clinical Yearly Report from 1-4-1979- to 31-3-1980.

Serial No.	Particulars	Morning.	Evening.	Total.
1	Old Patients	14,181	6,175	20,356
2	New Patients	2,632	1,066	3,698
3	Total Patients	16,813	7,241	24,054
4	Male	9,545	3,964	13,509
5	Female	7,268	3,277	10,545
6	Medication	806	344	1,150
7	Consultation	2,929	1,340	4,269
8	X-Ray paid	...	...	3,050
9	X-Ray Free	...	..	993
10	Zinc. Filling	3,120	1,663	4,783
11	Ag. Filling	2,405	1,117	3,522
12	Free Filling	632	292	924
13	Total Filling	3,037	1,409	4,446
14	Porcelain Filling	107	32	139
15	Free Filling	63	30	93
16	Total Filling	170	62	232
17	Gold Inlays	49	16	65
18	Free Inlays	46	40	86
19	Total Inlays	95	56	151
20	Crown/Bridge	57	20	77
21	Free Crown/Bridge	50	61	111
22	Total Crown/Bridge	118	70	188
23	Jacket Crown	111	74	185
24	Free Jacket Crown	90	70	160
25	Total Jacket Crown	201	144	345
26	Root Canal Treatment	299	98	397
27	Free Root Canal treatment	134	68	202
28	Total Root Canal treatment	433	166	599
29	R. C. Dressing	1,345	540	1,885
30	Pulp Capping	155	103	258
31	Paid Pulpotomy.	6	1	7
32	Free Pulpotomy.	4	3	7
33	Paid Apicectomy.	15	11	27
34	Free Apicectomy.	5	16	21
35	Dowel.	31	8	39
36	Free. Dowel	31	12	43
37	Total. Dowel	62	20	82
38	Composite Filling.	5	..	5
39	J. C. Gold Backing paid.	34	13	47
40	J. C. Gold Backing free.	26	18	44
41	Dowel J. C. paid.	20	12	32
42	Dowel J. C. free.	16	9	25
43	Amt. Collected Rupees.	23,665	10,610	34,275

**APPENDIX 'G'**  
**ORTHODONTIA DEPARTMENT**  
*Clinical Yearly Report for the year 1-4-1979 to 31-3-1980.*

Sr.No.	Particulars	Morning	Evening	Total
1	New patients' Visits ( Consultation ) ..	229	155	454
2	Old Patients' Visits ..	5,420	2,102	7,522
3	Total Visits ..	5,719	2,257	7,976
4	Male Adults ..	1,504	653	2,157
5	Female Adults ..	2,887	1,043	3,930
6	Children ..	1,328	561	1,889
7	Impressions ..	730	233	963
8	X-Rays ..	293	90	383
9	Cephalograms ..	240	75	315
10	Photographs ..	52	2	54
11	New Patients' Treatment Started ..	172	64	236
12	Space Maintainers Given ..	8	2	10
13	Fixed Appliance New Patients ..	...	...	..
14	Removable Appliance New Patients ..	...	...	..
15	Fixed Appliance Adjustments ..	728	394	1,122
16	Removable Appliance Adjustments. ..	827	430	1,257
17	Special Appliances. ....	...	...	..
18	Extra Oral Appliances....	...	...	..
19	Retention Plates (Complete Cases) ..	24	8	32
20	Check-up Done ..	2,440	906	3,346
21	Amount Collected Rs. ..	Rs. 25,677/-	Rs. 9,133/-	Rs. 34,810/-

**APPENDIX 'H'**  
**PEDODONTIA DEPARTMENT**  
*Yearly Report from of 1st April 1979 to 31st March 1980*

Sr.No.	Particulars	Morning	Evening	Total
1	New Patients ..	4,921	1,692	6,613
2	Old Patients ..	10,605	4,576	15,181
3	Total Patients ..	15,526	6,268	21,794
4	Consultation ..	2,273	1,009	3,282
5	Medication ..	2,182	908	3,090
6	X-Rays ..	573	282	855
7	Cavity Cutting Zno. filling. ....	2,228	958	3,186
8	Ag. Filling ..	881	218	1,099
9	Ag. Filling Free ..	1,710	502	2,212
10	Ag. Filling Total ..	2,591	720	3,311
11	Pulp Capping. ....	99	28	127
12	Pulpotomy ..	100	22	122
13	R. C. Dressing. ....	526	304	830
14	R.C. Filling ..	57	53	110
15	Jacket Crown ..	15	13	28
16	Dowel ..	2	1	3
17	Apicectomy ..	6	1	7
18	Scaling ..	352	153	505
19	Polishing. ....	352	153	505
20	Complete Treatment under G. A. ....	106	...	106
21	Extraction ..	3,383	1,651	5,034
22	Splint ..	1	..	1
23	Flouride. ....	4	1	5
24	P. D. delivered. ....	1	1	2
25	Check-up. ....	539	297	836
26	Treatment Planning. ....	36	15	51
27	Silicate Filling ..	5	3	8
28	Flap Operation ....	1	..	1
29	Biopsy ....	1	..	1
30	Collected (Amount) ..	Rs. 6,577/-	Rs. 1,978/-	Rs. 8,555/-

## APPENDIX 'I'

PROSTHETIC CROWN & BRIDGE DEPARTMENT  
Annual Report from 1st April 1979 to 31st March 1980

Particulars	Morning	Evening	Total
New Patients .. .. .	717	174	891
Old Patients .. .. .	3,033	1,900	4,933
Total Patients .. .. .	3,750	2,074	5,824
Male patients .. .. .	2,781	1,400	4,181
Female patients .. .. .	876	602	1,478
Children .. .. .	93	72	165
Consultations given .. .. .	1,633	701	2,334
Full Dentures .. .. .	807	133	940
Partial Dentures .. .. .	431	107	538
Repair Dentures .. .. .	208	85	293
Crown & Bridge work .. .. .	7	..	7
Cleft Palate, & Obturators, .. .. .	12	..	12
Other Appliances. Mandibulectomy, T. M. Joint, Training flange, Bite Raising, etc. .. .. .	5	..	5
Relining Dentures .. .. .	1	..	1
Collection (Amount) .. .. .	Rs. 19,556	Rs. 13,770	Rs. 33,324
Amount collection through Poor Box Fund. .. .. .	Rs. 836	Rs. 585	Rs. 1,426
Free work done. Full Dentures — 289 Partial Dentures — 191 Repair Dentures — 70 Crown & Bridge — 2			

## APPENDIX 'J'

## List of publication and papers read during the year 1979-80.

Doctor	Subject	Particulars
<b>OPERATIVE DENTISTRY</b>		
Dr. S. T. Talim	.. An Evaluation of Copper Based Non-precious Casting alloy for clinical use.	Paper read at International Dental Conference.
Dr. S. T. Talim Dr. E. J. D'Souza Dr. J. S. Kalgutkar Dr. I. M. Mehta & Dr. V. A. Puri Dr. S. T. Talim	{ Experiences in Experimental Induction of Osteogenic Response with particular references to the role of calcium hydroxide.	"
Dr. S. T. Talim	The success of the Intentionally Reimplanted Nonvital Posterior Teeth with Periapical Lesions.	"
Dr. S. T. Talim Dr. D. R. Sahani	.. Surgical Intervention of Non-Vital Posterior teeth.	"
Dr. S. T. Talim Dr. E. J. D'Souza	.. Behavioral Science, Dental Students Goal and Values A Comparative Study.	"
Dr. D. R. Sahani & Dr. J. J. Suchak	.. Study of Endodontic Morphology in permanent mandibular incisor teeth with radio opaque constrast media.	Research conducted.
Dr. D. R. Sahani. Dr. Gosain and Dr. Muthy	.. Antibacterial efficacy of Milton solution and C. M. C. P., in Root-Canal therapy.	Paper read at International Dental Conference.
Dr. D. R. Shahani	.. Management of Gingival tissue during Operative procedures.	Symposium organised by I. D. A. Bombay branch at Hotel Poonam International.
Dr. S. T. Talim & Dr. Khatavkar Dr. Khatavkar	.. Radiographic healing of Periapical lesion under calcium hydroxide and prednisolone. .. Pins in restorative Dentistry.	Research conducted. Paper read in International Dental Conference.



## PERIODONTOLOGY

Doctor	Subject	Particulars.
Dr. I. R. D'Silva Dr. R. P. Nayak Dr. K. M. Cheria Dr. M. J. Mulky Dr. I. R. D'Silva Dr. R. P. Nayak Dr. I. R. D'Silva Dr. R. P. Nayak	.. An Evaluation of the root topography following periodontal instrumentation A scanning electron microscopic study. .. Gingival & Periodontal disorders in children. .. Efficacy of Neem Twig (Datun) as on oral hygiene agen-some clinical observations. .. Gingival tissue response to initial preparation.	Journal of periodontology Vol. 50 No. 6 Pg. 283 June 1979. — Journal of Indian Dental Association Vol. 51-52, 7-9-1979-80. To be sent for Publication. Paper presented at the 3rd. conference work shop Indian Society of periodontology held in Ahmedabad Jan. 20-22, 1979.
Dr. I. R. D'Silva Dr. R. P. Nayak	.. Some observations on the use of an ancient Indian Oral hygiene procedure.	Won the Alarsin Award for original research contribution in oral hygiene in 1979.
Dr. H. N. Vijayakar, .. Dr. R. P. Nayak	.. Prevalence of dental diseases in a section of urban Bombay population.	Paper read at 1st international & 34th National Dental Conference in Bombay in Jan. 1980.
Dr. H. N. Vijayakar. ..	.. Essay Topic-Children- A paving stone to prevention. ..	Awarded 1st. prize in Essay competition organised by Indian Society of Periodontology in Jan. 1980.
<b>ORTHODONTIA</b>		
Dr. M. K. Prakash. ..	.. Bonding for You and Me.	.. Published in the Journal of Indian Orthodontic Society, Vol. XI-3-4, 1979.
Dr. G. R. Karandikar... (Joint paper with .. Dr. A. B. Modi and ..	.. An In vitro Evaluation of Effect of Zinc Phosphate Cement on Retention of Orthodontic Bonds. ..	.. Published in the Journal of Indian Orthodontic Society, Vol. XI 3-4-1979.
Dr. N. H. Parikh.) Dr. M. K. Prakash. .. Dr. G. R. Karandikar. (Joint paper) ..	.. A Clinical study of the effect of Two Direct Bonding Systems on the periodontium.	.. Read at the XIII Indian Orthodontic Conference held in Bombay in January 1980.
<b>PROSTHETIC</b>		
Dr. F. D. Mirza .. Dr. (Mrs.) J. V. Dixshit .. Dr. (Mrs.) J. V. Dixshit. Dr. F. D. Mirza. .. Dr. A. A. Rahmatulla. Dr. (Miss) N. R. Juria.	.. New dimensions in Crown & Bridge restorative materials. .. Muscles relaxant and rest position A Cephalometric study. .. Facial Measurements. .. Comprehensive dental care of a child patient.	J.I.D.A. August 1979, 51-245-246 I Prosth. Dent. U. S. A. 42 529 Nov. 1979. I. D. A. Journal October Issue 1979. Published by the International College of Dental Surgeons.
Dr. Zulkarnain. Dr. Elahi.	.. Fixed partial prothodontics. .. Removable partial Denture Design.	.. Lectures in the Year 1979-80. .. Lectures in the Year 1979-80.
<b>ORAL AND MAXILLO-FACIAL SURGERY</b>		
Dr. (Mrs.) N. A. Malik... Dr. A. P. Chitre.	.. Modified Rehrmann's flap for closure of oro-antral fistula.	.. Paper read at 34th National Dental Conference & 1st International Dental Conference at Bombay. Jan. 80.
Dr. K. H. C. Kapadia. ..	.. 'Whithere Malignancy'	.. paper read at 5th Conference of oral surgery at Bombay. 1 Jan. 80.
Dr. K. H. C. Kapadia. ..	.. 'The efficacy of dual modality of surgery & oryotherapy in the management & treatment of large cystic lesions'	.. paper read at 34th National Dental Conference & 1st International Dental Conference at Bombay. January 1980.
Dr. Prhar M. I. ..	.. A comparison of Analgin & Aspirin in Dental pain'.	.. Paper read at 34th National & 1st International Dental Conference at Bombay. January 1980.

Doctor.	Subject	Particulars.
<b>ORAL DIAGNOSIS &amp; DRADIOLOGY DEPARTMENT</b>		
Dr. S. A. Jakhi. .. Dr. M. R. Vijayraghavan.	(i) Comparison of (i) Transcranial view (ii) Transorbital view. (iii) Tomography. In condylar Fractures.	Indian Journal of Radiology- Vol. 34 53-56. Some article was read in 1st International & 34th conference in Bombay Feb. 80.
Dr. B. K. Parekh. M.D.S. Dr. L. G. Shirwatkar. M.D.S.	(ii) Hereditary Hoemorrhagic. Telangiectasina.	In Journal of Indian Dental Association. 51-211-214, 1979.
Dr. B. K. Parekh. .. Dr. L. G. Shirwatkar. . .	(iii) Roentgenographic Assesement of normal facial Asymmetry.	In Indian Journal of Radiology Vol. 34. Feb. 1980. Some paper was read by Dr. B. K. Parekh in 1st International Conference of Indian Dental Association in Bombay in January 1980.

#### ORAL PATHOLOGY

Dr. Mrs. V. R. Brave and Dr. H. M. Dholakia.	Odontogenic adenomatoid tumour.	I. D. A. Journal, 1979.
Dr. Mrs. L. R. Poonja and Dr. H. M. Dholakia.	Neurilunoma of Oral Cavity.	I. D. A. Journal, 1979.
Dr. A. P. Bhat and .. Dr. H. M. Dholakia.	Lichen Planus	Paper read at International Dental Conference, January, 1980.
Dr. A. P. Bhat and .. Dr. H. M. Dholakia.	Carcinogenic factors and Salivary ph.	"

#### APPENDIX 'K'

##### Prizes and Awards won by the Staff and Students of the College.

Serial No.	Name of the student.	Name of the prize.
<b>"ACADEMIC"</b>		
1	Dr. (Miss) A. S. Bhoraskar.	1st in IV-B.D.S. Best Student Award.
2	Dr. P. V. Wadkar.	IV-B.D.S. Plaque Award.
3	Kum. A. M. Majmudar.	1st in I.B.D.S. { Silver Jubilee Scholarship.
4	Shri E. V. Rodrique.	1st in II-B.D.S.
5	Miss M. N. Shah.	1st in III-B.D.S.
6	Dr. (Miss) A.S. Bhoraskar.	1st in IV-B.D.S.
7	Miss M. N. Shah.	1st in III-B.D.S. Dr. J. M. Dubash Scholarship.
8	Dr. (Miss) A.S. Bhoraskar.	1st in IV-B.D.S. Dr. Shahani Scholarship.

#### "SPORTS"

Miss Karuna Mirchandani Captained Bombay University in Inter University Aquatic Championships Held in 1979-80 and won individual Women's Championship.

Nair Dental won Inter-Medical Cricket Tournament Organised by Hoechst Pharmaceuticals Dr. Sanjiv V. Shevade won best bowler Prize.

# G. T. B. Hospitals

## T. B. CONTROL PROGRAMME

### HIGH-LIGHTS OF THE YEAR 1979-80.

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 .. .. .	1,82,06,419
2. Amount spent on In-patients .. .. .	1,54,32,365
3. Amount spent on Out-patients .. .. .	23,90,780
4. Average cost per day on—	
(i) In-patient .. .. .	35.44
(ii) Out-patient .. .. .	11.14

#### III.—Significant Activities :

1. Schedule Bed Strength .. .. .	1,330	G. T. B. Hospitals Sarvodaya Hospital Ghatkopar.
	+ 350	
	1,680	
2. Admissions .. .. .	12,728	
3. Daily average of In-patients .. .. .	1,193	
4. Out-patients at Clinics .. .. .	18,424	
5. Average stay of patient in the hospital .. .. .	1 ½ months.	
6. Operations carried out during the year .. .. .	531	
7. Health visits paid .. .. .	2,203	
8. Patients advised hospitalization, by Board .. .. .	378	
9. Patients covered under City Tuberculosis Programme .. .. .	30,196	
10. Patients under treatment at Municipal Centres .. .. .	21,651	

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	3	1137
Surgical Ward ...	131	62	...	193
	927	368	35	1330
Sarvodaya Hospital, Ghatkopar (Hired beds) ...	200	150	...	350
<b>Total ...</b>	<b>1127</b>	<b>518</b>	<b>35</b>	<b>1680</b>

After discharge, 7641 patients attended the hospital for follow-up.

#### G. T. B. Hospitals—

From previous Year	Patients		Discharged			Remained at the end of the year
	New Admissions	Total	Cured	Otherwise	Died	
1,260	11,468	12,728	8,977	845	1,744	1,132

Mortality figures revealed the high incidence in the age-group of 26-30 years. Ratio of death to total patients treated was 15.5 per cent.

#### 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 ...	10,402	5,235	5,167
(2) Samaldas Gandhi Marg T. B. Clinic ...	5,870	1,231	4,639
(3) M. M. Munshi T. B. Clinic, Khar ...	11,539	7,216	4,323
(4) Balaram Street, T. B. Clinic ...	2,371	1,599	772
(5) Nawab Tank T. B. Clinic ...	2,733	1,021	1,712
(6) Sub-T. B. Clinic, at Bhabha Hospital, Kurla ...	2,719	2,122	597
	<b>35,634</b>	<b>18,424</b>	<b>17,210</b>

**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 Nov., 1979.

From previ- ous year	Patients		Discharge			Remained at the end of the year
	New Admissions	Total	Cured	Otherwise	Died	
125	246	371	307	...	64	...

**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. 37,646.26 was collected from the charity boxes at the hospital 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	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 screening & Lab.	Peripheral 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/B	10.579	2,79,385	O. H. T. B. Clinic, Sewri	...	3	4	4
G	17.84	8,24,007	Bai Gulbai Dispensary, Dadar, Bombay 28.	...	6	14	8
H	25.8	5,23,402	M. M. Munshi T. B. Clinic at Khar, Bombay	...	4	5	2
K	43.00	5,74,275	K. B. Bhabha Hosp. Bandra. } Cooper Hosp., Juhu Vile Parle } Munl. Gen. Hosp., Santacruz. }	...	5	3	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., Crimbur.	...	1	9	4
N	39.00	3,47,012	Rajawadi Hosp., Ghatkopar.	...	1	5	3
P	74.83	3,96,496	Mald 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., Mulund (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-cum-treatment centres. The Peripheral Centres which are Municipal General Dispensaries, serve as Treatment Centres only. However, Central Statistical Unit for Hospital and field services is located at the Group of T. B. Hospitals, Sewri, for collecting 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 student 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 2,22,095 B. C. G. Vaccinations were given during the year.

#### (4) Camps and Shibirs :

Maharashtra State Anti-T. B. Association, in collaboration with the Directorate, has conducted 67 diagnostics Anti-T. B. camps and Shibirs in Maharashtra State, out of which 41 were conducted in Greater Bombay. 3,762 persons were examined and 469 were detected as T. B. Cases.

#### "Performance Budget,"

The performance budget has been introduced from 1976-77. The details in respect of the target laid down and the target achieved are enclosed. The reasons for short falls and steps for maximising the Output performance are also briefly stated in the table No. 1.

*Dr. A. P. RAO*  
Medical Superintendent,  
Group of T. B. Hospitals  
Directorate for T. B. Control.

TABLE NO. I.

**GROUP OF T. B. HOSPITALS, SEWRI.**  
**Performance Targets and Achievements—Hospital.**

	Target laid down	Target achieved	Remarks
(1) Indoor cases	16,000	13,099	(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.)	700	531	Due to non-availability of Blood Transfusions and less No. of Surgical cases.
(3) Follow-up examinations	8,500	7,641	
(4) Patients kept on Waiting List	3,700	287	Emergency cases are more than regular admissions.
(5) X-Rays :			
(a) Mass Miniature Radiography (Nos.)	19,350	23,146	
(b) Big Plates (Nos.)	9,000	5,659	Due to shortage of Big Plate X-ray Films.
(c) Screening Exams. (Nos.)	1,100	850	
(6) Pathology :			
(a) Blood	36,280	17,706	E. S. R. one of the exam., of blood is not done.
(b) Sputums	39,625	36,978	
(c) Urine	13,554	13,567	
(d) Stools	1,220	117	This is done only when it is necessary and not as a routine.
(e) Histopathology	132	111	
(f) Sensitivity Tests	1,200	924	
(g) Pleural fluids & Biochemistry	9,000	3,873	Do.
(h) Blood Bank	..	1,573	This is new addition.

*Dr. A. P. RAO*  
Medical Superintendent,  
Group of T. B. Hospitals,  
Directorate for T. B. Control.

## PROGRAMME WORK—LOAD SUMMARY OF T. B. CLINICS.

1979	R.D.T.B. Clinic Dadar.		Sama-las Gandhi Marg T. B. Clinic.		Balaram St. T. B. Clinic		M. M. Munshi 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	
<b>—OUTDOOR CASES</b>													
(a) T. B. Cases ...	5,000	5,235	1,500	1,231	2,000	1,599	9,200	7,216	1,050	1,021	1,700	2,122	(1) The X-ray Machines at Balaram Street T. B. Clinic, is not working and being replaced by new one.
(b) Non-T. B. Cases	2,500	5,169	1,800	4,639	7,000	772	4,500	4,323	1,500	1,712	800	597	
Total ...	7,500	10,404	3,300	5,870	9,000	2,371	13,700	11,539	2,550	2,733	2,500	2,719	
<b>II.—X-RAYS</b>													
(a) Mass Miniature Radiography	12,000	15,956	2,500	6,777	12,000	...	17,000	13,983	7,000	8,857	Shown under R D T B. Clinic Dadar	...	(2) Screening is done as and when required.
(b) Big Plates	150	190	200	174	50	...	750	882	...	...	...	...	(3) Pathology Examination are done as and when required.
(c) Screening ...	...	...	100	10	...	...	...	...	...	...	...	...	
<b>III.—PATHOLOGY</b>													
(a) Blood Exam. ...	150	440	200	428	700	60	900	835	...	250	...	2	(4) Under City Tuberculosis Programme pattern of Health Visiting is changed. Health Visitors & Treatment Organisers visit ATC, Ccn. Disps., and house of the patients in the area given to them Hence, Health Visitings are less.
(b) Sputum ...	8,000	8,835	2,900	3,800	5,000	3,549	12,000	12,038	1,800	2,132	4,000	4,039	
(c) Urine ...	20	...	50	27	10	28	4,000	1,925	...	24	...	...	
(d) Stool ...	...	...	...	...	...	1	...	...	...	...	...	...	
<b>IV.—Health Visiting</b>	...	...	570	231	400	403	200	377	850	670	100	263	

Dr. A. P. Rao  
Medical Superintendent,  
Group of T. B. Hospitals  
Directorate for T. B. Control

TABLE No. 2.

## Anti T. B. Activities carried out in the year 1979.

1	No. of new T. B. patients interviewed by treatment organisers at the Municipal General Dispensaries/Hospitals	...	14,093
2	No. of repeaters interviewed by the treatment organiser at the Municipal General Dispensaries/General Hospitals	...	1,73,688
3	No. of Home visits paid by treatment organisers and T. B. Inspectors at the residence of the T. B. Patients	...	56,753
4	No. of close contacts contacted	...	24,855
5	No. of close contacts referred to the Municipal T. B. Clinics for detection and treatment	...	7,233
6	No. of close contacts who attended the T.B. Clinics	...	3,452
7	No. of positive cases detected from the referred contacts	...	408
8	Defaulters:—		
	(i) No. of defaulters	...	35,844
	(ii) No. of defaulters brought on regular treatment	...	14,019
	(iii) No. of defaulters lost/expired.	...	21,825
9	No. of persons know who have undergone B. C. G. vaccination	...	2,314
10	No. of School children who have undergone T. B. treatment	...	1,622
11	No. of B.C.G. Vaccination in the Municipal Schools	...	20,340
12	No. of Laboratory Examinations done at 40, Mun. Gen. upgraded dispensaries—		
	(a) Blood (E. S. R.)	...	8,504
	(b) Urine	...	8,540
	(c) Sputum	...	14,725
	(d) Screenings		
	(i) Positive		1,716
	(ii) Negative		13,009

Serial No.	Designation	Name of the Officer	Qualification	Period		Remarks
				From	To	
1	Medical Supdt.	Dr. A. P. Rao	MD, TDD, FCCP (U.S.A.)	2-5-79 with permission to join holiday on 1-5-1980.	31-5-79	Substitute arrangement was made by promotion of Dy. M. S.
2	Ag. Medical Supdt.	Dr. (Smt.) V. G. Advani.	MD, TDD	2-5-79	31-5-1979	Promoted as Ag. M. S. from 2-5-79 under M.C.'s order No. MDA/8952 of 17-5-1979.

Dr. A. P. Rao  
Medical Superintendent,  
Group of T. B. Hospitals  
Directorate for T. B. Control.



## Seth A. J. B. Municipal E. N. T. Hospital

### HIGH LIGHTS :

I— (A) 1.	On In-Patient	...	...	...	...	Rs. 7,12,644.75
2.	On Out-Patient	...	...	...	...	„ 1,78,161.18
(B) Average Cost :						
1.	Per In-Patient per day	...	...	...	...	„ 35.34
2.	Per In-patient admission	...	...	...	...	„ 134.06
3.	Per Out Patient attendance	...	...	...	...	„ 1.14
4.	Per Out Patient admission	...	...	...	...	„ 10.05

### II—Results :

(A) 1.	Scheduled Bed Strength	...	...	...	...	100
2.	Daily Average In-patient in wards	...	...	...	...	55
3.	Admission including those brought over previous year (5259+59).	...	...	...	...	5,318
4.	Patients Discharged	...	...	...	...	5,249
	(i) as Cured	...	...	...	...	—
	(ii) as Unchanged	...	...	...	...	—
	(iii) Expired	...	...	...	...	9
	(iv) as Left against Medical advice	...	...	...	...	9
	(v) Remained in the hospital on last day of the year	...	...	...	...	51
5.	Average stay of the In-patients (In days)	...	...	...	...	4.17
(B) 1.	Patients (New)	...	...	...	...	71,370
2.	Daily average of Out patients (new)...	...	...	...	...	234
3.	Out Patients (New & Old)	...	...	...	...	1,57,561
4.	Daily average of Out Patients attendance	...	...	...	...	516

### 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 Barkebikari 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 was 32 on 3rd May and the highest number of Out Patients attended a single day was 827 (11th Aug.) during the year. 4,691 Operations were performed on In-patients. In Pathology Department Work load of 1979. Urine-7,7750, Stool 197, Blood Sugar 468, Bun 109, B. V. D. R. L 346, Histopathology, 836 C. B. C.-2, 145 Hb 7,926, E. S. R. 947, B. T. C. T. 3, 780, & Biochemistry (Misc) 51, AN AUDIOLOGY ROOM for full comprehensive hearing tests of Hardicapp & individuals with services of speech therapist are also available in this Hospital. In audiology Speech Therapy Department 8,115 audiograms including 2,053, post Operative audiograms were recorded. 220 Speech cases were treated.

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 Mute	Cancer	T. B.	Thyroid	Miscellaneous
January	42	20	21	12	9
February	35	11	23	11	12
March	39	21	14	16	13
April	41	15	19	17	17
May	29	13	24	15	19
June	43	12	17	11	10
July	36	10	19	12	18
August	37	14	25	19	14
September	38	17	19	18	17
October	34	14	23	15	15
November	42	12	21	18	11
December	46	15	22	17	16
<b>Total</b>	<b>462</b>	<b>174</b>	<b>247</b>	<b>181</b>	<b>171</b>

37 Hearing Aids were given by M. S. W. securing aid from Charitable & other welfare organisations and 22 children placed into Deaf Institutions.

An amount of Rs.15,744.46. was collected through the poor Boxes during the year. Tracheostomy tubes 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 Seven 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.).

Nursing Staff consisted of 1 Sr. Sister, 6 Sisters, & 26 staff Nurses.

Rs. 7,60,347.34 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	27,027	31,772	58,799
Female	24,223	27,287	52,510
Male-Child	10,656	14,562	25,218
Female-Child	9,464	12,570	22,034
Total	71,370	86,191	1,58,561

**Classifications Indoor Patients:**

Sex	Admitted	Discharged	Died	Remained in the hospital.
Male	2,215	2,180	5	30
Female	1,406	1,383	3	20
Male-Child	924	923	...	1
Female-Child	763	762	1	...
Total	5,308	5,248	9	51

DR. (Smt.) S. C. BASRUR,  
Assistant Medical Officer.

## Seth V. C. Gandhi and M. A. Vora Municipal General Hospital, Rajawadi, Ghatkopar

### Highlights :—

#### Hospital—

Total expenditure including liabilities—Rs. 1,30,45,630.00

#### Indoor Patients—

No. of beds.—548.

No. of inpatients.—30,781.

Daily average number of patients.—458 (excluding 50 of Sarvodaya Hospital on average basis).

Daily average No. of admissions.—84

Highest number of inpatients on a single day.—540 (excluding Sarvodaya Hospital).

Highest number of admissions on a single day.—129.

Number of patients discharged during the year, including 467 brought from the previous year—30,314.

Deaths.—1,526.

Total No.—Within 24 hours—776, after 24 hours but within 72 hours of admission—277.  
Exceeding 3 days—473.

Operations.—Indoor patients: 15,040.

#### Deliveries—

No. of confinements.—7,873 No. of sterilizations (female) 1,194.

No. of deliveries.—7,160 No. of sterilizations (male) 7.

Maternal deaths.—5, baby deaths.—121.

Medical termination of pregnancy.—583. Baby still births.—315.

Average cost per inpatient.—Rs. 41.07, per outpatient.—Rs. 5.25.

#### Outpatient Department—

No. of O. P. D. attendance (new cases)—1,47,223.

Daily average O. P. D. attendance (new cases) 475.

Highest No. of attendance on a single day (new)—806.

No. of casualty attendances.—52,593.

Dog bite cases.—2,831 (new).

Municipal Dispensary.—4,087 (new).

Court cases attended by R. M. Os.—190 (Metropolitan Magistrates)

Sessions Court.—21. Direct addressed to R. M. Os.—3

Claims Tribunal Court attended by Clerk—26.

Radiology.—No. of patients X-Rayed.—27,361.

This Hospital continued to render medical relief to the sick in the north east Suburbs of Bombay.

Dr. M. J. Nerurkar, 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) Psychiatry 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 Rabie (2-3.30 p. m.), (daily except Sundays and Holidays) (18) Casualty, (19) Radiology, (20) International Health Certificates, I-II (21) M. S. W. Department, (22) School Clinic, (23) T. B. Clinic and (24) Immunizations 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	2297	1327	1129	4753
Polio Vaccine	2373	1356	1145	4874
B. C. G. Vaccine	7343			

International certificates and immunizations.—2 to 3.30 p.m. (daily except bank holidays, Saturdays and Sundays).

Anti Cholera	2304	Small Pox	1951 (International)
T. A. B.	27		3681 (Primary)
			112 (Revaccination)

### APPOINTMENT OF MEDICAL STAFF

(1) Dr. R. K. Gadgil is appointed as Prof. of Pathology (P. T.) from 1-5-1979 to work at this hospital but on the establishment of L. T. M. G. Hospital, Sion.

(2) Dr. M. D. Joglekar is appointed as Hon. Prof. of ophthalmology and Hon. Ophthalmic Surgeon from 1-6-1979.

(3) The following doctors have been appointed as Jr. Lecturers as below :—

(a) Dr. D. A. Devasthali :—Orthopaedic Dept. from 1-8-1979.

### DEPARTMENT OF PAEDIATRICS

O. P. D. attendance	...	New	23,974
		Old	51,000 approx.
		Referral cases	5,500
Indoor admissions	...	Male	3,276
		Female	2,263

Mortality		Within 24 hours	24-72 hours	After 72 hours
Male	...	256	74	58
Female	...	202	56	58

**Screening:** About 10,000 patients were screened. These include all cases of lower respiratory tract, infections and family contacts of those in whom tuberculosis was suspected and proved. Mantoux testing was done in about 9,000 cases.

**Immunization Clinic:**— The number of immunizations done at this hospital for children is given at page 1.

It may be noted that for triple and polio immunization, of the patients who took first dose, 53 per cent. have come for the second dose and 50 per cent. for the third dose.

135 cases were transferred to teaching hospitals for further investigations or to the infectious diseases hospitals.

#### Nutrition project :

Under the auspices of the department of paediatrics of this hospital, a nutritional project has been undertaken during the year as one of the aspects of the health education programme with an idea to find out the malnourished children attending the O. P. D. and educate their mothers as to how they should be fed and improve their health. As an incentive, milk bread and proteins were given to the children and their mothers were advised how to feed them. This worked to a greater extent as a preventive measure which minimised the crowd at the paediatric O. P. D. and also reduced the stay of malnourished children in the ward.

23 children attended the clinic of which 16 were females and 8 males. 85 percent cases were found to be of marasmus and 15 percent cases had kwashiorkor.

### PATHOLOGY DEPARTMENT

Departmentwise yearly workload of 1979 (January to December 1979).

Biochemistry			Serology		
(1) Blood Sugar	...	14,956	(1) V. D. R. L.	...	5,660
(2) Blood Urea	...	4,505	(2) Widal	...	1,007
(3) Serum Cholesterol	...	1,529	(3) R. A. Test	...	192
(4) Ser. Billirubin	...	1,423	(4) Casoni Test	...	2

Biochemistry			Serology		
(5) G. A.	...	66	(5) C. S. F. V.D.R.L.	...	71
(6) S. G. O. T.	...	1,753	(6) Blood bank VDRL	...	644
(7) S. G. P. T.	...	1,765	(7) Blood Paul Bunnell	...	6
(8) Serum protein	...	1,136	(8) Pregnancy test	...	35
(9) Serum Creatinine	...	1,696	(9) C.S.F. widal	...	3
(10) Alkaline Phosphatase	...	837			
(11) C. S. F. Sugar	...	39			
(12) Electrolytes	...	1,295			
(13) Serum amylase	...	74			
(14) S. Uric acid	...	32			
(15) Serum albumin	...	1,136			

O. P. D. indoor routine work			Haematology		
(1) Hb	...	15,670	Hb	...	3,755
(2) W. B. C.	TC	12,927	W. B. C.	TC	3,745
	DC	12,073		DC	3,749
(3) E. S. R.	...	10,755	R. B. C.	...	50
(4) Urine	...	17,550	P. O. V.	...	512
(5) Stool	...	6,202	F. S. R.	...	1,754
(6) Semen	...	976	C. H.	...	...
(7) ANC Hb	...	8,445	Sickle	...	33
(8) Sputum count	...	4,286	Fragility	...	25
			B. T.	...	826
			C. T.	...	826

Complete Haemogram—					
Hb	...	409	Bone Marrow	...	71
W. B. C.	TC	...	L. E.	...	45
	DC	...	F. T.	...	328
P. C. V.	...	409	P. I.	...	328
Relic count	..	409	C. S. F.	..	583
Micro filaria	..	..	Fluids	..	349
Platelet count	..	76	Proteins	..	932
			Sugar	..	583
			Serum electrophoresis	..	149
			Urine electrophoresis	..	4
			Hb. Electrohoresis	..	17
			Foetal HB	..	17
Bacteriology					
(1) Pus Culture	...	545	(17) Urethral smear	...	186
(2) Urine Culture	...	1,182	(18) Vaginal culture	..	16
(3) Clot Culture	...	2,666	(19) Gastric fluid culture	..	12
(34 + ve)			(20) Pericardial fluid culture.	..	4
(4) Blood Culture	...	254	(21) Hydrocele fluid		
(5) Throat Swabs	...	328	culture	..	1
(6) Fluids Culture	...		(22) Sinoveal fluid culture	..	2
Pleural			(23) Wound swab	..	11
Peritoneal		236	(24) Umbilical swabs	..	7
Ascitic			(25) Ulcer swabs	..	6
(7) Sputum Culture	...	275	(26) Bronchial aspiration	..	10
(8) Stool Culture	...	222	(27) Nasal swab	..	6
(9) Misc. Swabs	...	63	(28) O.T. sterility (swabs)	..	1097
(10) Smear for A. F. B.	...	..	(29) Misc. swabs.	..	32
(11) Gram staining	..	7217	(30) Lump discharge	..	1
(12) Alb. staining	..	330	(31) Liver aspiration	..	12
(13) Antibiotic sensibility	..	1694	(32) Fungal culture	..	2
(14) Biochem. Test	..	1694	(33) Knee aspiration	..	3
(15) A.F.B. stain	..	863	(34) Donovan bodies	..	2
(16) C.S.F. culture	..	1072	(35) Polythene tubes	..	9
Cytology		Total	T. B. Clinic		Total
Pleural slides	...	179	Hb	...	766
			W. B. C.	TC	766
				DC	766
			E. S. R.	...	3,303
Histopathology		Total	Urine	...	1,945
Total Slides	...	4,519	Sputum AFB	...	5,557
Total Blocks	...	4,052			
School Clinic		Total			
Hb	...	399			
W. B. C.	TC	...			
	DC	...			
E. S. R.	...	99			
Urine	...	127			
Stool	...	159			
C. T.	...	65			
B. T.	...	65			
Others	...	4			

### BLOOD BANK

Throughout the year, eight drives were arranged at various areas of Bombay right from V. T. Station to Mulund with the help of various organizations, colleges and institutions. Once again the credit goes to Somaiyya College for donating 250 bottles.

As indicated below, it is evident that our urge for independence could not be accelerated during the year and we could give only 282 bottles as against 386 which were brought from other blood banks. This is due to the fact that two blood drives had to be postponed at the last moment.

This year even the replacement donors have taken the lead and donated 827 bottles either at the blood bank or by producing donors cards. This also indicates that the awareness of blood problem has also reached the illiterates.

#### Overall Report of Blood Collection :—

Voluntary donors	...	...	...	...	591
Replacement Donors	...	...	...	...	827
Blood brought from other hospitals	...	...	...	...	386
				<b>Total</b>	<b>1,804</b>
Bottles used for—					
(1) Hospital	...	...	...	...	1,392
(2) Dispatched to other Hospitals	...	...	...	...	282
(3) Bottles sent to Haffkine	...	...	...	...	222
(4) Bottles discarded	...	...	...	...	18
				<b>Total</b>	<b>1,914</b>

## RADIOLOGY DEPARTMENT

Odelca camera for the mass miniature radiography is received and installed during the year.

The order for one portable x-ray machine from Inray Co. has been placed, which is expected to be received very shortly.

## 1. Total No. of Patients investigated :—

Indoor ..	...	...	...	...	...	9,316
Outdoor ..	...	...	...	...	...	18,045
					<b>Total</b>	<b>27,361</b>

## 2. Barium studies :—

(a) Ba. meal	...	...	...	...	...	275
(b) Ba. swallow	...	...	...	...	...	113
(c) Ba. enema	...	...	...	...	...	69

## 3. Other special investigations :—

(a) I. V. P.	...	...	...	...	...	280
(b) H. S. G.	...	...	...	...	...	56
(c) Oral Cholecystogram	...	...	...	...	...	19
(d) Intravenous Cholangiogram	...	...	...	...	...	18
(e) Myelograms	...	...	...	...	...	20
(f) Bronchograms	...	...	...	...	...	15
(g) Urothograms	...	...	...	...	...	60
(h) Splenoportograms	...	...	...	...	...	10
(i) Operative Cholangiogram	...	...	...	...	...	10
(j) Sinograms	...	...	...	...	...	20
(k) Silogram	...	...	...	...	...	4

Due to shortage of x-ray film which was felt all over the hospitals, there was less work done on special procedures during the year.

## INTENSIVE CARE UNIT

The Intensive Care Unit was started at his hospital from May 1979. The cases were transferred to I. C. U. from all the other departments. The nursing staff and the doctors were sent for training at the Sion Hospital before they were posted in the unit for work. The cases admitted during the year were as follows.

Indoor admission	381
Indoor attendance	1488

## ELECTRO CARDIOGRAM SECTION

## E. C. G. Diagnosis :—

Normal	...	...	...	...	...	3,024
Ischemic Heart Diseases	...	...	...	...	...	1,395
Hypertension	...	...	...	...	...	767
Heart block (Complete and Incomplete)	...	...	...	...	...	51
Deviation	...	...	...	...	...	24
Sinus Bradycardia	...	...	...	...	...	85
Sinus Tachy Cardia	...	...	...	...	...	221
Fallo's Tetralogy	...	...	...	...	...	...
Auricular Fibrillation	...	...	...	...	...	90
Sinus Arrhythmia	...	...	...	...	...	37
Wolfe Parkinson Woolfe Syndrome	...	...	...	...	...	3
Hypertrophy	...	...	...	...	...	81
Cor-pulmonable	...	...	...	...	...	113
Angina Pectoris	...	...	...	...	...	42
Anaemia	...	...	...	...	...	79
V. S. D.	...	...	...	...	...	49
C. C. F.	...	...	...	...	...	260
A. S. D.	...	...	...	...	...	8
Chest Pain	...	...	...	...	...	405
Rh. Heart Diseases	...	...	...	...	...	17
Congenital heart diseases	...	...	...	...	...	7
Dextrocardia	...	...	...	...	...	2
Aortic Stenosis	...	...	...	...	...	...
Pericarditis	...	...	...	...	...	9
Diabetic	...	...	...	...	...	149
Mitral Stenosis	...	...	...	...	...	68
Double Mitral	...	...	...	...	...	4
P. D. A.	...	...	...	...	...	4
Miscellaneous	...	...	...	...	...	349
					<b>Total</b>	<b>7,343</b>

### PHARMACY

Total quantity of preparation for indoor and outdoor patients.			
(1) Quantity of stock solution preparation	...	...	Litres 972
(2) No. of packets of tablets made	...	...	59,73,405
(3) No. of packets of powder prepared	...	...	68,935
(4) No. of prescription account kept	...	...	94,132
(5) Special prescriptions attended	...	...	Nil.
(6) Special prescriptions were special drug issued and account is kept	...	...	Nil.
(7) Syrup simplex	...	...	Nil.
(8) Stock mixture preparations	...	...	Litres 23,911
(9) Ointments prepared	...	...	6,890

### NURSING SECTION

The nursing staff strength was 197. Sister S. P. Karalkar received the Mayor's award in 1979.

### MEDICO SOCIAL WORKERS (GENERAL SECTION)

(1) (i) No. of cases referred during the year 1979	...	...	...	321
(ii) Cases carried over	...	...	...	23
(iii) Blood Bank cases handled	...	...	...	...
Total number of cases				344
(2) Care work done on number of cases	...	...	...	...
(3) Medicines supplied to No. of cases	...	...	...	52
(4) Appliances provided and material help given to No. of cases	...	...	...	93
(5) Home visits paid	...	...	...	15
(6) No. of institutions visited	...	...	...	2
(7) No. of agencies contacted	...	...	...	3
(8) No. of blood donation drives attended	...	...	...	...
(9) Handled the N. S. S. project of Somaiyya College of Arts and Commerce, Somaiyya College of Science and Smt. P. N. Doshi Women's College, S. I. N. S. College.	...	...	...	1
(10) Recreation projects like handicraft and competition decorations on Diwali and Christmas Eve, Essay Writing and Drawing. Donation of Crutches and L. S. belts by Lions Club, etc.	...	...	...	2
(11) Nutritional project under paediatric department	...	...	...	109
(12) Discharged patients referred for escort to their residences.	...	...	...	37
(13) Health education for sickly patients	...	...	...	7
I Total number of cases referred during the year 1979.	...	...	...	783
(i) No. of Paediatric cases referred (for nutritional clinic & skimmed milk powder)	...	...	...	21
(ii) No. of cases referred for Medical Aid	...	...	...	610
(iii) No. of Blood Bank cases handled	...	...	...	54
(iv) Orthopaedic appliances provided to patients No.	...	...	...	33
(v) No. of Medical termination of pregnancy cases handled	...	...	...	13
(vi) No. of skin & V. D. cases handled	...	...	...	45
(vii) No. of cases referred for other reasons, such as adoption, job, etc.	...	...	...	7
II Medicine supplied to No. of cases	...	...	...	478
III Case work done on no. of cases	...	...	...	18
(IV) No. of Social Service Institutions and Agencies contacted for donations and other material help	...	...	...	5
V No. of employers seen	...	...	...	1

The social worker attends Psychiatry O. P. D. from Monday to Friday from 2 P. M. to 4.30 P. M. The following duties are performed by her.

(1) Taking down the complaints and family history of newly registered patients.

(2) Social casework and counselling.

This year 32 patients were referred for Social cases work and for counselling.

### AUDIOLOGY AND SPEECH THERAPY

This Department has got following instruments to carry out its diagnostic work and therapeutic work:—

1. Audiometer—(1) Puretone and (2) Impedance.
2. Hearing Aid—1
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 palate, mentally retardness, aphasia, etc., are also seen and treated in the department during the year.

Cases attended— Audiograms	...	...	...	...	809
Speech cases	...	...	...	...	75

### OCCUPATIONAL THERAPY AND PHYSIO THERAPY

Analysis :	Indoor attendance	...	...	...	23,969
	O. P. D.	...	...	...	25,182
	Sarvodaya Hospital.	...	...	...	17,992
	Total	...	...	...	67,143

**FAMILY PLANNING**

(1) Persons contacted for F. P. Education	...	...	...	...	22,116
(2) No. of cases given advice	...	...	...	...	3,989
(3) No. of active cases following F. P. methods	...	...	...	...	2,301
(4) Clinic attendance	...	...	...	...	6,356
(5) No. of persons visited at Home	...	...	...	...	15,760
(i) New Contacted	...	...	...	...	15,760
(ii) Follow up	...	...	...	...	3,529
(6) Vasectomy	...	...	...	...	7
(7) T. L.	...	...	...	...	1,294
(8) C-16, 325 No. of jelly-1	...	...	...	...	
(9) I. U. C. D.—198	...	...	...	...	
(10) Oral pills—471	...	...	...	...	
(11) M. T. P. —459—Total meetings held-300, General—12	...	...	...	...	
Group—288. No. of persons attended—8,800	...	...	...	...	
General—1600, Group—7200.	...	...	...	...	

**LIBRARY**

The total number of books added to the library during the year 1979 was 34 as against 108 during the previous year. 21 books are to be received. The library had subscribed towards 34 medical journals as against 42 in the previous year. 76 volumes were bought.

The library had at the end of the year 706 books as against 671 during the previous year. 30 journals were received regularly and remaining 4 are to be received.

**SCHOOL CLINIC**

The School Clinic looks after Children from the Municipal Corporation Schools surrounding the 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	591	4,982	5
Ophthalmic	207	1,503	4
E. N. T.	217	1,195	13
Skin	126	1,168	...
Dental	578	1,536	...
Surgery	22	...	...
Orthopaedics	20	...	1
T. B.	7	8	...
<b>Total</b>	<b>1,768</b>	<b>10,392</b>	<b>23</b>

**T. B. CLINIC.**

T. B. clinic renders treatment to the old and new cases and new patients who are suffering from pulmonary tuberculosis. The patients are referred from surrounding dispensaries and by other doctors practising in the vicinity of this hospital.

The analysis of the patients treated is as follows:—

New patients.	Old patients
1,665	45,521.
Patients transferred to T. B. Hospital	167.

**PSYCHIATRY O. P. D.**

The old and new patients are examined and treated at the O. P. D. No. 13A between 2 and 3.30 as follows:—

*New cases:* Mondays, Wednesdays and Fridays.

*Referred cases:* Tuesdays and Thursdays.

The no. of patients treated is as follows:—

Male—461, Female—461 Male child—10 Female child—16 and Total—948.

No. of patients (Old) 1802.

Patients for E. C. T. are called on Mondays and Fridays. In all 66 E. C. Ts. were given to 13 patients during the year. E. C. T. treatment was started in the last quarter year 1979.

**OTHER ACTIVITIES**

**Training interns:** Interns of the T. N. Medical college and B. Y. L. Nair Hospital used to attend this hospital for internship training in the various departments during the year.

**Ambulance and hearse service:** There is an ambulance and hearse at the disposal of this hospital for use of patients.

**Provision of 100 beds for convalescent orthopaedic patients in Sarvodaya Hospital**

100 beds have been reserved in Sarodaya Hospital for treating convalescent patients, mainly orthopaedic from suburban hospitals during the year 1979. The patients are looked after by the staff of this hospital specially created for the purpose. The Sarodaya Hospital has been closed on account of labour problems from December 1979 onwards.



**Administrative affiliation :** The administrative affiliation of this hospital is with Nair Hospital from 1-8-77. In administrative matters except in case of appointments of and control over the R. M. O.'s and honorary staff, this hospital is independent. For academic purposes, this hospital is attached to T. N. Medical College and a batch of undergraduate students will be attending this hospital from 1-4-80 approximately.

**Recognition of resident posts for C. P. S. courses.**

The posts of A. M. O.'s the Department of Anaesthesia at this hospital have recognised for D. A. & FCPS Diploma courses of the College of Physicians and Surgeons of Bombay during the year

**Recognition of houseposts by the University of Bombay and Medical Council of India.**

	M.C.I. (from 29-4-77)	University (vide no Aff/Recog/ 10754 of 9-9-77)
Medical	3	2
Surgical	4	2
Midwifery and gyn.	8	3
E. N. T.	1	1
Opth.	1	..
Ortho.	2	..
Skin & V. D.	1	..
Paediatrics	3	3
Pathology	2(from 16-8-79)	2(from 1979)
I. C. U.	Nil.	..

One house post each in medicine, surgery and midwifery and gynecology was recognised by the University of Bombay vide letter No. AFF/Recog 11317-1140 of 12-7-68.

This hospital has been now recognised as teaching hospital for clinical teaching of undergraduate students of the T. N. M. College with effect from the academic year 1979 on temporary basis till extra batches of students admitted to the M. B. B. S. course in November 1977 pass the III MBBS examination subject to fulfilment of the certain conditions vide University letter No. Aff/Recog/15671 of 24-12-79. Thus all the houseposts at this hospital are now recognised.

**Internal fixation course :**

Bombay Orthopaedic Society has arranged a course on Internal Fixation for practising Surgeons all over India for which Rajawadi Hospital was included as one of the centres along with other three teaching hospitals of the Municipal Corporation of Greater Bombay.

Operations were demonstrated on 3 days and discussions were held on cases and x-rays during the period.

The following important equipment was purchased during the year :—

- (1) Odelca camera for Mass miniature radiography.
- (2) Blood Gas analyser by Micro method.
- (3) Fundus camera.
- (4) Slit lamp.

The total expenditure on equipment and apparatus was Rs. 3,99,610 during the year under report. The purchase of the following items is under process and the instruments will be received shortly :—

- (1) Pacer Auto analyser.
- (2) Cystostat Microtome.
- (3) J. T. B. 500 haematology analyser.
- (4) Olympus Gastrodonoscopy.

**Food poisoning Cases Instances of accidents, etc.**

1 A major accident took place in Mansukh Dyeing and Printing Mills on 19-1-79 wherein three persons died and 25 others persons had burn injuries.

2. Cases of food poisoning were reported at Birla Co. Agra Road Bhandup on 26-1-79-48 patients were admitted and one expired.

6. A case of road accident involving a private truck and a bus belonging to Messrs. Birla Co. took place on 28-1-79 near Burmah Shell Bridge at Chembur n Western Express Highway wherein 15 persons were involved. They were treated at the casualty and then discharged.

4. 10 patients were admitted on 16-10-79 due to lorry accident near Amar Mahal near Chembur Rly. Station. One of them expired and the others were treated and discharged.

22 persons who met with the Rly. accident between Ghatkopar and Vikhroli Stations treated at this hospital on 8-12-79. out of them 10 were admitted and the others were discharged after treatment.

6. 11 persons met with a bus accident near Gandhi Market, Ghatkopar on 18-12-79 were admitted, Out of them, 2 persons expired and the rest were discharged after treatment.

Highlights during the year under report (comparison between 1978-79.)

No. of inpatients is increased from 30,430 to 30,781.

Daily average of inpatients has increased from 445 to 458 excluding 50 at Sarvodaya Hospital and total indoor attendance increased from 1,62,376 to 1,67,256. The total indoor attendance at the sarodaya Hospital is 13,721 during the year under report as the hospital was closed during June, July and December 1979 on account of labour problems. The O.P. D. attendance (new) including casualty, anti-rabic and municipal staff dispensary is decreased from 2,12,366 to 2,06,734, the daily O. P. D. average of new patients is also decreased from 515 to 475. This may be on account of opening more dispensaries maternity homes and hospitals in the drainage area of this hospital.

The no. of operations has been increased from 14,913 to 15,040. The total expenditure has been increased from Rs. 1,22,55,000 to Rs. 1,30,45,630.

The staff of this hospital is as below :—

Medical	103	Paramedical and others-89	
Nursing	197	Administrative	61
		Labour	377

**Poor Box Fund Collection**

Donations received	Rs.	450
Amount collected from the boxes	Rs.	11,421.00
Amount spent from the fund for the poor patients.	..Rs.	9,091.22
Amount spent on appliances to poor patients.	..Rs.	3,202.00
Amount spent on Medicines to poor patients.	..Rs.	1,901.20

**FUTURE DEVELOPMENT**

The Dy. C. E. (P & D) has been requested to include the following construction works of this hospital on priority basis :—

1. Hospital O. P. D. building.
5. Building for central ambulance service.
6. Mortuary block.
4. Central stores.

Tenders have been invited for construction of centralized ambulance building. The work of construction of 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, classrooms and family quarters for the staff are constructed. The plot for this is also encumbered by hutment dwellers.

Provisions for purchase of the following equipment and works have been made under plant and machinery in the loan work budget estimates for 1980-81.

	Rs.
Purchase of operating microscope	.. 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. D.'s are still not well situated and results in overcrowding. This is somewhat controlled by segregating gynec. and obst. O. P. D.'s temporarily since 1978. Many of these ground floor structures are deficient in ventilation and 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. Though it was proposed to house it in the shed to be constructed on the terrace of the old hospital building as a temporary measure, it has not become practicable as the municipal architect did not approve of this idea as the building could not take any more load being old. Efforts are being made to house it in the new store building. Efforts are also being made to erect a shade on the terrace with support of walls and at least use it as record room for medical record department which also requires to be given on urgent basis.

There is a dearth of qualified and full trained nurse and anaesthetists at this hospital. R. M. O.'s quarters need to be expanded to accommodate more doctors for the expanding activities.

Dr. M. J. NERURKAR,  
Medical Superintendent.

## 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
Padiatrics	...	...	76	76
Ophthalmic	20	13	...	33
Skin and 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				
Medical	8	2	...	} 25
Surgical	2	...	...	
Obstetrics	...	2	...	
Gynaecology	...	9	...	
Orthopaedics	1	1	...	
<b>Total</b>	<b>159</b>	<b>313</b>	<b>76</b>	<b>548</b>

\* Includes 5 Paediatrics.

## APPENDIX No. II.

No. of accident cases treated.

Sex	Treated in Casualty Department—1979.	Admitted through Casualty Department
Male	13,299	1,560
Female	2,857	883
Children } Male	1,700	549
	Female	850
<b>Total</b>	<b>18,706</b>	<b>3,351</b>

## APPENDIX No. III.

Statement showing the out-patients (New O. P. D. Casualty) in Rajawadi Hospital during the year 1979—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	20779	19753	...	...	40532	7545	4045	3	1	11594
Surgical	9649	3800	2591	1399	17439	14789	3821	2519	1245	22374
Ophthalmic	3298	2524	386	349	6557	1027	155	108	56	1346
Gynaec	...	8185	...	...	8185	...	3369	...	3	3372
Skin & V. D.	7316	3981	3898	3070	18265	207	63	48	34	352
E. N. T.	2071	2021	1047	800	5959	622	325	375	297	1619
Orthopedics	2871	2089	643	385	5988	2134	660	831	415	4040
Pediatrics	...	...	13180	10794	23974	...	...	4427	3205	7632
Maternity	...	11365	...	...	11365	...	...	...	...	...
New Born	...	...	1194	975	2169	...	...	...	...	...
Anti Rabie	...	...	...	...	...	1234	404	877	316	2831
Dental	2531	2436	496	399	5862	125	65	16	16	222
Psychiatric	461	461	10	16	948	...	...	...	...	...
Burns	...	...	...	...	...	17	9	11	5	42
<b>Total</b>	<b>48976</b>	<b>56615</b>	<b>23445</b>	<b>18187</b>	<b>1,47,223</b>	<b>27,700</b>	<b>12,916</b>	<b>9,215</b>	<b>5593</b>	<b>55424</b>

## APPENDIX—IV.

Summary of In-patients classified according to Department and Sex.

Serial No.	Deptt.	Sex	In the Hospital on the midnight of 31-12-77.	Admitted during the year.	Total	Discharged		Deaths	Remaining in Hospital on the midnight of 31-12-78.
						Cured	Other wise		
1	Medical	Male	55	2603	2658	239	2192	186	41
		Female	32	1,759	1,791	58	1,575	127	31
		M/Children	...	...	...	...	...	...	...
		F/Children	...	3	3	...	3	...	...
		Total	...	87	4,365	4,452	297	3,770	313
2	Surgical	Male	42	2,430	2,472	632	1,673	120	47
		Female	12	656	678	121	528	17	12
		M/Children	9	482	491	93	378	15	5
		F/Children	4	232	236	34	185	12	5
		Total	...	67	3,810	3,877	880	2,764	164
3	Ophthalmic	Male	16	505	521	425	81	...	15
		Female	15	436	451	378	55	...	18
		M/Children	...	38	38	18	19	...	1
		F/Children	...	25	25	19	5	...	...
		Total	...	31	1,004	1,035	840	160	...
4	Gynaec.	Female	36	1746	1872	769	970	5	38
		F/Ch.	...	1	1	...	1	...	...
		Total	...	36	1747	1783	769	971	5
5	Skin	Male	11	166	177	40	127	...	10
		Female	3	72	75	12	58	1	4
		M/Ch	...	35	35	10	24	...	1
		F/Ch.	...	34	34	10	23	...	1
		Total	...	14	307	321	72	232	1

## APPENDIX—IV.

Summary of In-patients classified according to Department and Sex.

Serial No.	Deptt.	Sex.	In the Hospital on the midnight of 31-12-77.	Admitted during the year.	Total	Discharged		Deaths	Remaining in Hospital on the midnight of 31-12-78.
						Cured	Other wise		
6	E. N. T.	Male	3	302	305	129	170	1	5
		Female	2	304	306	142	156	1	7
		M/Ch.	3	165	168	87	79	...	2
		F/Ch.	2	144	146	94	51	...	1
		Total	...	10	915	925	452	456	2
7	Orthopaedics	Male	41	802	843	97	686	21	39
		Female	24	320	344	41	272	11	20
		M/Ch.	13	212	225	56	174	1	4
		F/Ch.	2	142	144	39	97	2	6
		Total	...	80	1476	1556	223	1229	35
8	Paediatrics	M/Ch.	29	3247	3276	17	2827	402	30
		F/Ch.	18	2545	2563	13	2183	348	19
		Total	...	47	5792	5839	30	5010	750
9	Maternity	Female	84	10184	10268	6972	3220	5	71
		Total	...	84	10184	10268	6972	3220	5
10	Burns	Male	2	20	22	7	...	8	7
		Female	7	181	188	4	56	119	9
		M/Ch.	2	65	67	5	44	11	7
		F/Ch.	...	67	67	1	54	6	3
		Total	...	11	333	344	17	154	147
I.C.U.		Male	...	269	269	1	195	68	5
		Female	...	112	112	...	74	36	2
		M/Ch.	...	...	...	...	...	...	...
		F/Ch.	...	...	...	...	...	...	...
		Total	...	381	381	1	269	104	7
Grand Total			467	30314	30781	10553	18235	1526	467

## APPENDIX-V

Cost per Inpatient and Out-patient per day  
(Rs. in lacs.)

Year	Establishment	Contingencies	Drugs and Medicines	Diet	Stores and Linen	Repairs Maintenance Special Repairs & New works	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
INPATIENTS								
1978	...	17.51	3.98	13.40	4.98	2.13	0.78	42.78
1979	...	16.49	3.68	13.45	4.58	2.14	0.73	41.07
OUTPATIENTS								
1978	...	2.17	0.42	1.78	...	0.19	0.07	4.63
1979	...	2.30	0.50	1.99	...	0.30	0.16	5.25
Indoor attendance 1979	1,67,256	Rajawadi Hospital						
	13,721	Sarvodaya Hospital (Ratio 2/3 to 1/3) O. P. D. attendance						
		O. P. D. attendance 1979 2,06,734 × 4 (Old) — 8,26,936.						

## 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., held the post of Medical Superintendent during the year 1979.

### I—Expenditure—

(A)	1. On in-patients	..	..	..	..	Rs. 32,79,818.00
	2. On out patients	..	..	..	..	Rs. 29,91,136.00
(B)	Average cost per—					
	1. Inpatients per day	..	..	..	..	Rs. 57.27
	2. Out-patients per day	..	..	..	..	Rs. 2.93

### II—Results—Inpatients

(A)	1. Scheduled bed strength.	..	..	..	..	204
	2. Daily average in-patients in wards	..	..	..	..	157
	3. Admissions including those brought over from previous year.					12,260
	4. Number of patients discharged as :—					
	(i) Relieved	..	..	..	..	103
	(ii) As cured	..	..	..	..	11,528
	(iii) Otherwise	..	..	..	..	180
	(iv) Expired	..	..	..	..	282
	(v) Remained in the hospital on the last day of the year	..	..	..	..	167
	(vi) Daily average number of admissions	..	..	..	..	34
	(vii) Average stay of inpatients (in a day)	..	..	..	..	157
	(viii) Highest number of in-patients in a single day	..	..	..	..	187 (11-12-1979)

### (B)—Outpatients.

(i)	New out-patients attendance	..	..	..	..	1,90,299
	(ii) Daily average number of new out-patients	..	..	..	..	620
	(iii) Highest O.P.D. attendance on a single day	..	..	..	..	4,057 (3-9-1979)
	(iv) Number of Casualty attendance	..	..	..	..	37,152

(C)	(i) Operations on in-patients	..	..	..	..	2,346
	(ii) Operations on out-patients	..	..	..	..	9,192

### (D)—Confinements.

(i)	Booked cases	..	..	..	..	4,042
	(ii) Emergency cases	..	..	..	..	110
	(iii) Normal	..	..	..	..	3,396
	(iv) Abnormal	..	..	..	..	86
	(v) Left before delivery	..	..	..	..	430

### Neo-natal and maternal deaths.

(i)	Maternal deaths	..	..	..	..	2
	(ii) Non-natal deaths	..	..	..	..	42
	(iii) Still-births	..	..	..	..	104
	(iv) Premature live born infants	..	..	..	..	150

### Specialised treatments.

(i)	Sterilization (male)	..	..	..	..	91
	(ii) Sterilization (female)	..	..	..	..	431
	(iii) I. U. C. D. (inserted)	..	..	..	..	113
	(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 (See Appendix III)					

### Court cases attended by the R. M. O's. and C. M. O's

(i)	Metropolitan Magistrate's Courts	..	..	..	..	22
	(ii) Session Court	..	..	..	..	Nil
	(iii) Judicial Magistrate's Court Thane Dist. Kalyan.	..	..	..	..	1

### This hospital conducts the following departments :—

- (1) Medical (including E. C. G. facilities)
- (2) Surgical (including minor surgery)
- (3) Paediatrics
- (4) Gynaecology and obstetrics including anti-natal & post-natal clinics.
- (5) E. N. T.
- (6) Skin & V. 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. (dogbite)
- (15) Issue of authentication of International Health certificates & inoculation centre.
- (16) Immunization centre of B. C. G., Polio, & Triple. between 1.30 and 3.30 p.m.

Summary of indoor admissions, discharges, deaths and last remainings. classified according to departments.

Department	Admission with last remaining	Discharges	Transferred to other Hospital	Death	Remaining on 31-12-79
Medical	2289	2100	65	98	26
Surgical	1674	1596	50	8	20
Paediatric	2389	2110	61	174	44
Gynaecology	804	794	..	..	10
Maternity	4022	3953	4	2	63
E. N. T.	645	643	..	..	2
Ophthalmic	377	376	..	..	1
Skin V. D.	60	59	..	..	1
<b>Total</b>	<b>12260</b>	<b>11631</b>	<b>180</b>	<b>282</b>	<b>167</b>

#### Immunization work done during 1979

Immunization	Ist dose	IInd dose	IIIrd dose	Booster dose	Total
(1) Triple Vaccination	1366	1060	840	384	3650
(2) Polio Vaccination	1487	1066	845	458	3856
(3) New Born B. C. G. Vacc.	2934	..	..	..	2934
(4) O.P.D. B.C.G. 1 to 14 years children.	3387	..	..	..	3387
(5) Cholera	15083	..	..	..	15083
(6) T. A. B.	200	..	..	..	200
(7) Small pox given to new born Babies	1288	..	..	..	1288

Issue and authentication of health certificates and immunization against Smallpox and Cholera is done between 2.00 p.m. and 4.00 p.m. on all week days except holidays.

#### Summary of Total Attendance

O. P. D. Total Attendance	..	..	..	..	995654
Casualty Attendance	..	..	..	..	37152
Total Admissions	..	..	..	..	12098
New Born Babies 3396	..	..	..	Male	1728
				Female	1668

#### Radiology :

X-Ray Deptt. is provided with one 200 MA capacity X-Ray Machine and one Screening Machine, the work done during the year under report is as under :—

Total No. of X-Ray taken	7,873
Total No. of Radiological Especial Investigation done	Indoor. 111
	Outdoor 163

#### Berium Studies

(i) Ba-meal	..	..	..	..	105
(ii) Ba-Swallows.	..	..	..	..	26
(iii) Ba-Ene ma	..	..	..	..	18

#### Other special Investigations :

(i) I. V. Pye lography	..	..	..	..	78
(ii) Histrosalpingography	..	..	..	..	31
(iii) Oral chok cy-stgram	..	..	..	..	10
(iv) Ure thogram	..	..	..	..	6

#### Screening of Chest :

About 6257 patients including contacts of T. B. in their families were screened during the year.

**Pharmacy :****Total quantity of preparation for indoor and outdoor patients**

(1) Total Quantity of stock mixtures prepared	.. ..	..	10,000
(2) No. of Packet of Tablets Made	.. ..	..	95,500
(3) No. of packet of powder made	.. ..	..	Nil.
(4) No. of prescription account kept	.. ..	..	Nil.
(5) No. of preparations where special drugs and issued account kept	.. ..	..	Nil.
(6) Stock mixture preparations	.. ..	..	15,200
			BTS of
			5 Lits.
(7) Ointment Prepared	.. ..	..	5,550
			KGS.
(8) Lotion prepared Benzyl Benzoate	.. ..	..	6,300 Lts.
(9) Lotion prepared Benzyl Calamine	.. ..	..	5,100 Lts.

**Family Planning :**

(1) Persons contacted for F. P. education	.. ..	..	Total.
(2) No. of cases given advice	.. ..	..	1,404
(3) Clinic attendance	.. ..	..	870
(4) No. of active cases following F. P. advice	.. ..	..	996
(5) No. of persons visited at home	.. ..	..	291
(6) Vasectomy done	.. ..	..	22635
(7) Tubectomy done	.. ..	..	3
(8) No. of cases supplied contraceptive jelly	.. ..	..	41
(9) No. of cases supplied contraceptive condom	.. ..	..	Nil.
(10) No. of cases supplied contraceptive oral pills	.. ..	..	2030 pieces
(11) No. of M. T. P. done	.. ..	..	24
			16

**Occupational Therapy And physio Therapy**

Indoor Patients	.. ..	..	1895
Outdoor Patients.	.. ..	..	12907

**Nursing Section :**

During the year under reference the number of nursing staff was 102.

**Pathology Department :**

One A. M. O. with 9 Laboratory Technicians worked under the supervision of Hon. Asstt. Pathologist and the performance was as under :

Blood Rt.	..	16,839	L. F. T.	..	691
E. S. R.	..	8,950	C. S. F.	..	735
P. C. V.	..	375	Blood fluid	..	771
Urine Rt.	..	12,427	Semen	..	841
Stool Rt.	..	7,221	Sem. Protein	..	702
V.D. R. L.	..	3,953	Ser Bilirubin	..	533
Vidal	..	339	Culture	..	484
B.T.C.T.	..	373	Anti Biosemiliti	..	403
Group	..	1,884	Gram Stain	..	385
Rh. op.	..	..	Sputam	..	587
X Matching	..	337	Histopath	..	470
Blood Sugar	..	3,837	Pregnancy test	..	438
Blood Urea	..	1,596	A. N. C. H. B.	..	4,249
			cholesterol	..	345
Peripheral Smear	..	755			

Histopathology serum electroride and liver function test was started functioning from effect of 30-4-1979.

**Blood Bank.**

In absence of sufficient space for storage etc. the activities of the Blood Bank were limited. The relatives of the patients were encouraged to donate blood. During the course of the year are as many as 440 bottles were collected, and used as under :—

No. of blood bottles	.. ..	..	440
No. of voluntary donors.	.. ..	..	160
No. of replacement donors	.. ..	..	80
Brought from other hospitals	.. ..	..	200
Bottles used for the Hospital	.. ..	..	368
Bottles sent to other Hospitals	.. ..	..	40
Bottles sent for plasma	.. ..	..	30
Discarded	.. ..	..	2



**Electric Cardiograms.**

As many as 2811 Electric cardiogramms were taken during the year.

**T. B. Clinic :**

In absence of accommodation T. B. cases were treated in the general O. P., D., in the medical department. Patients who were diagnosed were referred to nearby dispensaries for further treatment.

**Ambulance facilities. :**

One ambulance van is attached to the hospital for round the clock service. The van was made available to the general public at the scheduled rates.

**Mobile Dispensaries.**

Two mobile dispensary vans are attached to the hospital to cater to the needs of people in slums where no medical facilities are available.

**ELECTRIC CARDIOGRAM**

E. C. G. diagnosis as follow.

(1) Normal	..	..	..	..	..	737
(2) Ische mic heart disease s.	..	..	..	..	..	950
(3) Hypertension	..	..	..	..	..	128
(4) Heart block (complete & incomplete).	..	..	..	..	..	40
(5) Deviation (Rt. axis and left axis).	..	..	..	..	..	125
(6) Sinus tachicardia	..	..	..	..	..	543
(7) Sinus Brachicardia..	..	..	..	..	..	114
(8) Fallot Tetrelogy	..	..	..	..	..	Nil.
(9) Anricular Fibrillation	..	..	..	..	..	54
(10) Sinus Arythramia	..	..	..	..	..	36
(11) Hypertrophy. Left and right Ventricular	..	..	..	..	..	122
(12) Cor-Pulmonable	..	..	..	..	..	81
(13) Anaemia	..	..	..	..	..	278
(14) Anguia Pectoris	..	..	..	..	..	330
(15) V. S. D.	..	..	..	..	..	32
(16) C. C. F.	..	..	..	..	..	114
(17) A. S. D.	..	..	..	..	..	21
(18) Chest pain	..	..	..	..	..	501
(19) Rh. heart disease s...	..	..	..	..	..	281
(20) Dextrocardia	..	..	..	..	..	3
(21) Aortic Ste nosis.	..	..	..	..	..	54
(22) Pericarditis.	..	..	..	..	..	13
(23) Diabetic	..	..	..	..	..	518
<b>Total</b> ..						<b>2811</b>

**Administrative Affiliation.**

This hospital is affiliated to B. Y. L. Nair Hospital for the purpose of appointment of honorary staff, appointment and control over resident medical staff.

**Municipal Staff Dispensary :**

Total number of Cases registered during the year are as under :—

New Cases. 1246                      Old Cases 2691                      Total attendance 3937

It has been proposed to increase existing bed strength up to 500 beds in immediate future, after constructing new multi-storeyed building at the rear side of existing hospital Bldg., Plans and estimates are under preparation and the Construction of proposed new building will be start by the end of 1980.

**APPENDIX-I**

Distribution of beds according to sex.

Serial No.	Male	Female	Child	Total
(1) Medical	23	9	..	32
(2) Surgical	23	9	..	32
(3) Pa diatric	..	..	32	32
(4) Gynaec	..	20	..	20
(5) Obstretic	..	70	..	70
(6) E. N. T.	2	2	..	4
(7) Ophthalmic	2	1	..	3
(8) Skin	..	1	..	1
(9) Casualty & Emergency	..	..	..	10

## APPENDIX-II

Department	O. P. D. Attendance					Casualty Attendance				
	Male	Female	M/Ch.	F/Ch.	Total	Male	Female	M/Ch.	F/Ch.	Total
Medical	138217	137240	..	..	275457	2710	2682	..	..	5392
Surgical	.. 60388	59093	57220	56850	233551	2253	2413	2740	2732	10138
Skin & S.T.D.	.. 48723	47203	46605	46280	188811	470	452	418	325	1665
Paediatric	.. ..	..	100115	100115	200825	..	..	5157	5040	10197
A. R. V.	.. 4415	4285	3880	3719	16299	..	..	..	..	..
Gynaecology	.. ..	16064	..	..	16064	..	3929	..	..	3929
O.T.P.T.	.. 3824	3725	3690	3563	14802	..	..	..	..	..
A. N. C.	.. ..	14305	..	..	14305	..	..	..	..	..
P. N. C.	.. ..	..	1382	1198	2580	..	..	..	..	..
E. N. T.	.. 2122	2058	1938	2060	8178	324	320	372	347	1363
Ophthalmic	.. 2365	2198	2062	2037	8662	220	286	310	287	1103
Dental	.. 3261	3180	2812	2992	12245	..	..	..	..	..
Obstretic	.. ..	3875	..	..	3875	..	3365	..	..	3365
	263315	293226	220299	218814	995654	5977	3447	8997	8731	37152

O. P. D. Total attendance	9,95,654
Casualty attendance	25,054
Total Admissions.	12,098
Total	10,32,806.

## APPENDIX-III

## Disease-wise deaths during the year 1979.

## Paediatric Unit.

(1) Gastro-entritis .. .. .	46
(2) Broncho-pneumonia .. .. .	28
(3) Pneumonia .. .. .	5
(4) Bronchitis .. .. .	2
(5) Bronchopneumonia with C. C. F. .. .. .	10
(6) Aspiration with pneumonia .. .. .	6
(7) Tuberculosis with meningitis. .. .. .	16
(8) Staphylococcal meningitis .. .. .	2
(9) Bronchitis with C. C. F. .. .. .	10
(10) Anaemia (severe) .. .. .	2
(11) Malaria .. .. .	6
(12) Cardio-respiratory failure .. .. .	1
(13) Septicemia .. .. .	10
(14) Pyogenic .. .. .	6
(15) Post malarial with C. C. F. .. .. .	3
(16) Prematurity .. .. .	6
(17) Post malarial .. .. .	6
(18) Ancephalitis .. .. .	7
(19) Acute nephritis .. .. .	2

## Medical :

(1) Cardio-respiratory failure .. .. .	35
(2) Cerebrovascular accident .. .. .	4
(3) Hypertension congestive cardiac failure .. .. .	16
(4) Anaemia with CCF with hypertension .. .. .	1
(5) Pulm. T. B. .. .. .	4
(6) Ischemic .. .. .	4
(7) C. C. F. with Kochs .. .. .	2
(8) Giddiness with unconsciousness .. .. .	1
(9) ICC ovary .. .. .	1
(10) T. B. Meningitis .. .. .	4
(11a) Amoebic colitis .. .. .	4
(12) Anaemia with CCF with hypertension .. .. .	4
(13) Hepatic failure with cirrhosis of liver. .. .. .	6
(14) Severe anaemia with general debility .. .. .	4
(15) Hepatitis or liver failure .. .. .	1
(16) CA. stomach with secondaries in liver .. .. .	1

**Surgical :**

(1) Accidental injury .. .. .	1
(2) Iisal performance .. .. .	2
(3) Acute Hemme rage s panicroutitis .. .. .	1
(4) Post operative complications .. .. .	2
(5) Severe pasitoritis .. .. .	2

**Maternity :**

Maternity .. .. .	2
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**P. S. PARALKAR,**  
 Medical Superintendent,  
 K. B. Bhabha Hospital, Bandra.

## Dr. R. N. COOPER MUNICIPAL GENERAL HOSPITAL (JUHU)

In the year 1979-80 Dr. R. N. Cooper Municipal General Hospital, Juhu has completed 9 years services, the hospital rendering Medical relief to the ailing persons in the Western Suburbs of Bombay

### Medical Superintendent

Dr. (Smt.) Kusum Shah, M. S. transferred from Rajawadi Hospital 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 8-1-1976 and continued to hold the said post through out the year under report.

### Honorary Staff

#### Medical Department.

- (1) Dr. J. K. 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 1-10-75.
- (3) Dr. R. D. Darne, M. D. (Bom), M. R. O. 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. S. 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 Associate Honorary from 26-7-73.
- (2) Dr. S. S. Palnitkar, M. D. (Bom) D. G. O., F. S. P. S., M. R. C. V. (Lond) appointed from 15-2-1973.
- (3) Dr. A. G. Kale M. D. (BOM) D. F. P. F., C. P. S. appointed from 10-9-73.
- (4) Dr. S. D. Chaubal, M. D. D. G. O., D. F. P. was appointed from 26-7-1973 as Honorary Assistant.
- (5) 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. P. N. Patnekar M. D. (Paed) D. C. H. Assistant Honorary was appointed from 21-9-1973 in place of Dr. (Smt.) R. R. Aiyar, who was on study leave from 15-6-1973 and subsequently her services were terminated from 16-8-1975.

#### 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. Ingle, M. S. (Gen. Surgeon) M. S. (En. N. T.) appointed from 1-6-72 and deputed to K. E. M. Hospital.
- (2) Dr. S. P. Wagh, Honorary Assistant (M. S.) E. N. T. Surgeon appointed from 20-4-1976.

#### 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 1-3-72 as Honorary Assistant Pathologist.

#### Anaesthesia Department

- (1) Dr. U. V. Desai, M. D. (Bom), D. A. (Bom) appointed from 10-1-77.

#### Skin and U. 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. P. M. Honorary Assistant is appointed from 15-6-1977.

**Ophthalmology Department.**

- (1) Dr. V.H. Gandhi, D. O. M. S., M. S. D. O. (Iond.) 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.

**Neurogurgery Clinic.**

Neurology O. P. D. is conducted with the help of Neuro-Surgery Department of K. E. M. Hospital on every Wednesday.

**Cardiothoracis Clinic**

Cardiothoracis clinic is managed by cardiothoracis unit of K. E. M. Hospital once in a week.

**Neonatal Clinic**

Neonatal Clinic is started from 1-8-78 and conducted by Dr. Hathi, Honorary and Dr. Patnekar Assistant Honorary.

**Nutritional Clinic**

Nutrition Clinic attended to Paediatric O. P. D. started functioning from February 1972.

**Hansen's Clinic.**

Hansen's Clinic Managed by Acworth Leprosy hospital, Wadala on every Friday from 1-00 p.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.

**Medical Record Department**

Summary of the Annual Administration Report of Dr. R. N. Cooper Municipal General Hospital, Juhu.

The Annual Administration Report of Dr. R. N. Cooper Municipal General Hospital, Juhu for the year 1979-80 is summarised as follows :—

**Hospital****I Expenditure :—**

	Rs.
A (1) Amount spent on Inpatients .. .. .	44,32,949
(2) Amount spent on Outpatients— .. .. .	88,65,899
(3) Total expenditure excluding New Works .. .. .	1,32,98,848
(4) Expenditure on New Works .. .. .	62,76,910

**Approximately :—**

(B)1 Average cost per patient per day— .. .. .	34.11
(2) Average cost as In-patient Admission— .. .. .	235.30
(3) Average cost per Out patient attendance— .. .. .	7.32
(4) Average cost per Out-patient admission— .. .. .	34.64

**II Results :—**

(1) Schedule Bed Strength .. .. .	520
(2) Daily average in-patient in wards .. .. .	712
(3) Total number of admissions including those brought over from the previous year— .. .. .	37,955
(4) Total number of patients discharged— .. .. .	35,485
(i) As cured— .. .. .	35,110
(ii) Left against Medical Advice or got discharged— .. .. .	375
(iii) Expired including Neonatal and still-births .. .. .	2,277
(iv) Remained in the hospital on the last day of the year. .. .. .	540
(v) Average stay of in-patients— .. .. .	8 days.
B (1) Total number of New-out patients admissions .. .. .	3,43,358
(2) Daily average number of Out-patients (New) .. .. .	903
(3) Total number of out-patients (New & Old) .. .. .	9,30,272
(4) Daily average number of out-patients attendance (New & Old) .. .. .	3,012
(5) Total number of casualty attendance (M. L.) .. .. .	64,109
C(1) Total number of operation In-patients .. .. .	11133+2090 F.P.
(2) Total number of operation on Out-patients .. .. .	35,051
(3) Total number of plaster on patients .. .. .	14,703

<b>D Confinements</b>		
(1) Booked Cases—	.. .. .	4,279
(2) Emergency Cases	.. .. .	5,037
(3) Normal—	.. .. .	792
(4) Abnormal—	.. .. .	3,788
<b>Neonatal and Maternal Deaths :</b>		491
(i) Maternal deaths—	.. .. .	16
(ii) Neonatal deaths—	.. .. .	33
(iii) Still Births—	.. .. .	98
(iv) Premature infants	.. .. .	290
<b>Sterilization</b>		
(6) Male	.. .. .	15
Female	.. .. .	887
<b>III—Radiology</b>		
(1) Total number of patients investigated ..	.. .. .	53,469
(2) Total number of X-Rays taken	.. .. .	43,424
(3) Barium Investigations	.. .. .	561
<b>Special Investigations :</b>		
(1) Splenogram	.. .. .	11
(2) Cystourethrogram	.. .. .	29
(3) Sinogram	.. .. .	21
(4) Angiogram	.. .. .	25
(5) Intra Venous Pyelographies	.. .. .	219
(6) Myelograms	.. .. .	32
(7) Cholecystogram..	.. .. .	15
<b>IV—Blood Bank :</b>		
(1)(i) Total number of Blood samples collected	.. .. .	2,844
(ii) From Voluntary Donors	.. .. .	2,544
(iii) From O. P. D. patients	.. .. .	300
(iv) From other hospitals	.. .. .	219
(2)(i) Total number of bottles supplied to wards	.. .. .	2,349
(ii) Collection of blood bottles	.. .. .	4,118
(iii) Total No. of blood bottles supplied as other hospitals	.. .. .	312
<b>V—School Clinics :</b>		
(A)(i) Total number of school children treated	.. .. .	23,440
(i) New	.. .. .	2,977
(ii) Repeat	.. .. .	20,463
(iii) Referred	.. .. .	383
B— Total expenditure on clinics..	.. .. .	1,26,530.48
<b>VI—Physio Therapy and occupational Therapy :</b>		
Total attendance at the centre—		
Total number of out-patients	.. .. .	26216
Total number of In-patients	.. .. .	40262
<b>VII—Deficiencies :</b>		
(1) Over crowding of patients in the wards—		
As against 520 schedule beds, the daily average in-patients strength in the wards is 670. 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) Acute shortage of qualified Nursing staff.		
(4) Lack of centralised hospital stores.		
(5) Medical staff working in O, P. D. needs to be augmented for speedy disposal of patients.		
<b>VIII—Suggestions</b>		
Some sort of recreational facilities such as Library.		
(1) Indoor games, Television etc., may be provided to indoor ambulant patients.		
(2) Gift shop is needed for the benefit of patients.		
<b>IX.—Expensions and New Projects :</b>		
(1) A deputy Coroner's Court is likely to come up on the hospital compound which will be a significant amenity to mourners in Medico-legal Deaths. The matter is progressing fast towards completion.		
(2) The Central Ambulance Scheme is likely to be started in the hospital premises under the directorship of Dean G. S. Medical College Dr. C. K. Deshpande. This will add another 100 beds to the hospital and patients needing intensive surgical and medical care and Burns patients will be treated there.		

**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, Male Surgical, Post-natal, Paediatric and Orthopaedic wards.

During the year 1979 the average number of in-patients in the hospital was 712 as against 670 and 665 during the year 1978 and 1977 respectively. The total number of patients admitted for hospitalization during the year under report was 37415 as against 37985 and 35063 respectively for 1978 and 1977. The average stay of in-patients was 8 days during the year under report as against 8.2 and 7.1 respectively in the year 78 & 77.

**Results of treatment of Indoor Patients :—**

Out of total number of 37955 including 540 brought over from the previous year 35110 were considered as cured 375 left the hospital either against medical advice or were otherwise discharged and 2146 died (excluding 98 still birth and 33 neonatal deaths, 35 L. W. 16 casualty) At the end of the year 540 patients were in the hospital under treatment.

**Deaths Classified:—**

Out of 2162 deaths 644 died within 24 hrs. of admission 433 after 24 hrs. but within 72 hrs. of admission 779 deaths took place after 3 days from the date of admission 290 premature deaths and 16 died at casualty. The figures are exclusive of 98 still births and 33 neonatal, 35 L. W. deaths. Death rate was 7.6 as against 7.8 during the last year.

Total number of autopsies performed during the year under report was 364 against 336 and 312 for the year 1978 and 1977 respectively. Autopsy rate was 9.6 for the year 1979 as against 10.1 and 12.4 for the year 1978 and 1977. All these autopsies were performed by the Coroner's Surgeon.

**Confinements :—**

During the year under report the total number of confinements were 4279 and abortions 1265.

**Operations :—**

8205 Operations were performed on In-patients and 35951 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 343358 as against 331280 in the year 1978 and 327970 in the year 77. The total number of out-patients attendance (New and Old) including casualty cases was 996947 bringing the average total attendance 3012 per day.

Casualty cases registered during the year was 66675 as against 51166 and 73402 during the year 1978 and 1977 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	.. .. .	250
(2) Session Courts	.. .. .	49
(3) Motor Accident Tribunal	.. .. .	39
(4) Other Courts	.. .. .	1

During the year approximately 364 depositions were filed in the Coroner's Court.

**Medical Certificates—**

(1) Under workmen's compensation Act	.. .. .	94
(2) Medical Opinion certificates	.. .. .	2341
(3) Injury certificates to patients in Medico-legal cases	.. .. .	290
(4) Injury certificates to police in Medico-legal cases (free)	.. .. .	2604
(5) Certificates to Municipal employee injury and leave (free)	.. .. .	461
(6) Certificate for Insurance purposes	.. .. .	15
(7) Essentiality certificates for reimbursement of medical expenses to Govt.	.. .. .	16
(8) Accident Insurance certificates	.. .. .	5

**OTHER ACTIVITIES****Training Programme Interns :—**

Interns of the G. S. Medical College and K. E. M. Hospital to attend this hospital for internship training in the various departments during the year 1979-80.

**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 cases to be transferred to any of the hospitals in Bombay; One hearse is provided for removing dead body at the hospital for Western suburbs

**Income from Ambulance and Hearse—**

During the year under report the income from ambulance and hearse was 25,000 against 20,000 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 five 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)	50075
(2) Total no. of referred to General hospitals	3266
(3) Total number of immunizations carried out	2932

**Clinical Facilities in Modern Medicines, Mid-wifery, Gynaecology and Surgery to Homeopathic College Students**

Under S.C.R.No. 3371 of 18-2-72 and C.R. N.: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 is also granted by M. C. for 3 years from 1-6-74 to 31-5-77 vide sanction No. MDC/8928 of 15-6-74. Further extension is also granted by M. C. for 3 years from 1-6-1977 to 31-5-1980 vide S. C. Q.R. No. 3712 of 8-2-1980. Discontinued from 1-6-1980.

**Medico Social Service Department—**

The social service department was started on 2-10-1972 for cases needing Psycho-Social Work who was appointed on 2-10-72. During the year under report Social Service Department has completed 7 years services.

Following is the tabular chart of the cases that were given assistance in different areas of Social services as per discretion of the Social Worker.

General social work comprised of work done at O. P. D. and ward level.

**Referrals :—**

**Gynaec.:**—Referrals consisted for Anti 'D' referrals, family planning and T. L. motivations and finally counselling of married, unmarried mother helping the mother to continue/discontinue pregnancy and the unmarried ones who continued pregnancy their children went of in adoption to adoptive agencies.

Numbering report :— Anti 'D' referral	32
Children going in adoption	12
Counselling of varied types	200

**Paediatric :**—Milk Project was started for Marasmus and T. B. patients 205 Kgs. of milk was distributed to over 390 patients.

T. B. patients follow up was done at O. P. D. level and post cards sent to irregular patients—Also Orientation was given to New regd. cases.

**Medical Aid :** was given at short term and long term level. S. T. cases were 4 long term Mazetol case was 1.

**Medical Discharges** case were referred, these came either belonged to Police Constable in such cases P. C. was contacted and asked to take charge of the patient. Ten were such cases who were also supplied clothes at the time of discharge; Ordinary cases which were by relatives were also referred for discharge in such cases the relatives were contacted or sent home by ambulance.

**Medical Aid :—**3 long term.

**Refampicin patients :—**Rempin were 760 p. m. was given for a period of six months or 3 months as prescribed by the Doctor concerned. P. C. was given to ward patients 25 were such cases. Inj. Myodil was arranged for from Glaxo for ten patient either on part/full payment basis.

**Donation :—**Individual donors encouraged to meet Rimpin expenses for the patients.

Besides attending to the different referred cases the Social worker also acted as the liaison between the hospital authorities and the various social organisations that approached the hospital to offer their services.



Following is a list of the social organizations that are currently serving the hospital.

(1) The N. S. S. students of Mithibai College, Park College, Nutan Mahila College, M. V. College N. M. College etc.

(2) Lions club of Juhu has started a Drug Bank.

(3) Swajan Pariwar :

There are other individual donors also who have helped the needy patients of this hospital.

#### 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. attendent (New)	..	..	..	..	22416
(2) Total no. of admissions	..	..	..	..	10101
(3) Total no. of confinements	..	..	..	..	4279
Normal	..	..	..	..	3788
Abnormal	..	..	..	..	491
(4) Total no. of Booked cases	..	..	..	..	5037
(5) Emergency cases	..	..	..	..	792
(6) Abortions : (1) Threatened	..	..	..	..	162
(1) Incomplete	..	..	..	..	1103
(7) Total no. of operations (1) Major	..	..	..	..	1906
(2) Minor	..	..	..	..	959

#### 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 and during the year under report has completed 7 1/2 years of services.

The staff consists of a part-time Family Welfare Officer, full time Store keeper-cum-clerk and an attendant.

The following services are offered—

(1) Distribution of condoms	..	..	..	..	22225
(2) I. U. C. D. insertions	..	..	..	..	..(475) (UT67)
					Total 542
(3) Oral contraceptives	..	..	..	..	195
(4) Other conventional, contraceptives like diaphragm-Nil, Jelly, 4, Form tube etc. -Nil.	..	..	..	..	
(5) Vasectomy	..	..	..	..	14
(6) Tubectomy.—This includes puerperal sterilization as well as Gynaec. Sterilization both abdominal and vaginal.	..	..	..	..	888
(7) The Medical Termination of pregnancy is started from April 1974 and total M. T. P. done during the year under report was	..	..	..	..	969

8. 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	..	..	..	..	9021
(2) Condoms	..	..	..	..	22225
(3) I. U. C. D.	..	..	..	..	542
(4) Oral Contraceptives (tablet)	..	..	..	..	195
(5) Tubectomies	..	..	..	..	888
(6) Vasectomies	..	..	..	..	14
(7) Diaphragma	..	..	..	..	Nil.
(8) M. T. P.	..	..	..	..	969
(9) Applicator with jelly	..	..	..	..	4

Immunization Centre :—					
Polio	1st dose	..	..	..	1010
	2nd dose	..	..	..	624
	3rd dose	..	..	..	562
	Booster	..	..	..	328
					2524
Triple	1st dose	..	..	..	1010
	2nd dose	..	..	..	624
	3rd dose	..	..	..	562
	Booster	..	..	..	328
					2524
Tetanus Toxoid	1st dose	..	..	..	4994
	2nd dose	..	..	..	1975
	3rd dose	..	..	..	942
					7911
B. C. G.	O. P. D.	..	..	..	1757
	Ward (In-patient)	..	..	..	2877
					Total
					4634

### DEPARTMENT OF MEDICINE

The Medical department consists of two units staffed with an Associate Honorary, Assistant Honorary, Registrar and two House-Physicians in each unit a diabetic clinic and a gastrology clinic is run once a week in the morning about 1924 diabetics (including New and old) followed up every week.

The total number of patients admitted during the year 1979 in the Medical was 8477 (5175 male patients and 3302 female patients) as against 7843 in the year 1978 and 7730 in the year 1977.

Heart disease patients were treated in the Medical ward during the year 1979, 6793 E. C. G. S. were taken during the year under report.

The O. P. D. attendance (New cases) was 41276 large increase in the number of patients with Gastro-entero-striane disease was noted during the year 1979, 41276 patients attended the Medical O. P. D. in the year 1979 and 8477 patients were admitted in the hospital for investigations and treatment I. C. U. started functioning from 1-3-75 The total number of patients admitted during the year 1979 in I. C. U. unit was 267.

T. B. Clinic.	New cases	..	..	..	613
	Old cases	..	..	..	9155
				Total	9768

### SURGICAL DEPARTMENT

The Surgical Department consists of two Units each staffed with an Assistant Honorary Registrar and two House Surgeons. The number of Schedule bed allotted to the Surgical Department is 20 in the Male ward and 20 in the Female ward for each unit is total so for both units (40 Male 40 female).

The following is the account of work done in the department during the year.

(1) Total New O. P. D. attendance	..	..	..	..	59,488
(2) Total admissions	..	..	..	..	8,131
(3) Operations.		(i) Major	..	..	1,818
		(ii) Minor	..	..	17,710
	Elective Operations	..	..	..	1,434
	Emergency Operations	..	..	..	384

The Minor Surgical Department is looked after by a Surgical Registrars. It is also used for Major dressing and Reduction of Fracture cases.

Total No. of patients treated in Minor Surgery was 22,728.

### PAEDIATRIC DEPARTMENT

During the year under report 35,750 New cases were treated in the Out-patients department and 5,251 were admitted as in-patient.

### PREMATURE BABY WARD

The 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 averagely.

During the year under report 422 were admitted as In-patient and 290 Expired.

### PSYCHOLOGICAL MEDICINE

The department started functioning from 15-6-77. It consists 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 1979.

(1) Total O. P. D. patients (New Cases)	..	..	..	..	1,308
(2) Total No. of O. P. D. conducted	..	..	..	..	154
(3) Average attendance (New cases)	..	..	..	..	12 to 13.
(4) Average attendance (Old cases for follow up)	..	..	..	..	25 to 80
(5) Total No. of patients treated in Indoor	..	..	..	..	305
(6) Total No. of patients treated with E. C. Ts.	..	..	..	..	272
(7) Total No. of E. C. Ts. Sessions conducted	..	..	..	..	1,746
(8) Average E. C. Ts. per patient	..	..	..	..	..
(9) Total No. of patients treated with Insulin	..	..	..	..	55
(10) Total No. of insulin sittings conducted	..	..	..	..	886
(11) Average insuling sessions per patient	..	..	..	..	..
(12) Total No. of patients treated with behaviour therapy	..	..	..	..	64
(13) Total No. of patients treated with supportive Psycho-therapy	..	..	..	..	105
(14) Total No. of patients taken up for Social case work.	..	..	..	..	477
(15) Total No. of patients referred to Day Care Centre for various purposes	..	..	..	..	257
(16) Total No. of patients treated, Sex-education Therapy.	..	..	..	..	123
(17) Total No. of Psychological tests.	..	..	..	..	450
(18) Total No. of violent patients handed over to the Police.	..	..	..	..	Nil.

Impression :—1979 was a year of expansion for the Department of Psychological Medicine. Two Registrars and Two House-Physicians, a clinical Psychologist and departmental Stenographers were appointed during the year.

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.

#### Nutrition Clinic

A Nutrition clinic attended to Paediatric O. P. D. started functioning from February 1972. The work done in the year 1978 as under.

Total Nutrition Clinic days	..	..	..	..	..	268
Total cases	..	..	..	..	..	464
Indoor cases	..	..	..	..	..	949
Diabetic History	..	..	..	..	..	133
Feeding advice	..	..	..	..	..	2,389

#### ORTHOPAEDIC DEPARTMENT

Orthopaedic department consists of two Assistant Honorary, two Registrar and two House Officers. Following was the work done in this department during the year under report.

Out door attendance	..	..	..	..	..	28,347
Indoor admissions	..	..	..	..	..	2,475
No. of Operations	..	..	..	..	..	618

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 theatre 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 caloric taste and owetry 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	..	..	..	..	..	20,502
New admissions	..	..	..	..	..	1,242
Operations	..	..	..	..	..	1,043

#### 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	..	..	..	..	..	826
Speech Cases	..	..	..	..	..	68
Total						894

#### OPHTHALMIC DEPARTMENT

There are one Assistant Honorary, one Registrar and one 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	..	..	..	..	..	19,552
Total No. of admissions	..	..	..	..	..	529
Total No. of Operations	..	..	..	..	..	730

### SKIN AND VENEROLOGY DEPARTMENT

During the year under report 26,476 New cases were treated at the out patient department and 104 were admitted as In-patient. The following investigations were carried out in the Laboratory.

(1) Skin Biopsy .. .. .	223
(2) Venereal Disease investigations. .. .. .	5,556

Leprosy unit started from March 1974 and it functions on every-Wednesday during the year under report 1314, 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 1979.

Total no. of patients examined

	General O.P.D.	School Clinic
No. of dental extractions .. .. .	4,251	827plus370=1197
No. of medications. .. .. .	4720	134plus140=454
No. of Scaling teeth. .. .. .	57	365plus463=828
No. of X-rays recorded .. .. .	318	2plus1=3.
No. of filing cement .. .. .	110	688plus815=1,503.
No. of Minor Surgical procedure .. .. .	25	Nil.
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, Zerosis, Phlyolocular, Otitis media, Tonsillitis-cervical adenitis and Paragrititis, Tonsillectomy operations were performed on 36 cases in the year 1979.

The total no. of school children treated .. .. .	23,440
(1) New .. .. .	2,977
(2) Repeat .. .. .	20,463
(3) Referred. .. .. .	383

The total expenditure on school clinic is Rs. 1,26,530,48. The details are as under.

#### Establishments

(i) Establishment .. .. .	Rs. 1,22,500.68
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#### Contingencies

(ii) Contingencies & Miscellaneous .. .. .	323.00
--	--------

#### Medicine / Instruments

(iii) Medicine & Instruments .. .. .	13,706.80
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#### Juhu Lions Dental Clinic

Establishment .. .. .	25,772.53
Medicine & Instruments .. .. .	1,348.33
Printing .. .. .	..
Stationary .. .. .	..
Miscellaneous .. .. .	106.30
Clothing .. .. .	Nil.
Books and dead stock .. .. .	Nil.
Total expenditure of establishment .. .. .	1,12,500.68
Total expenditure of medicine and instruments .. .. .	13,706.80

### PATHOLOGY DEPARTMENT

Following investigations were done in the Pathology Department.

Investigations	total No.
Biochemical .. .. .	81,952
Serological, Kain .. .. .	8,244
Haematological .. .. .	14,029
Examination of puncture fluids .. .. .	2,382
Histopathology .. .. .	3,060
<b>Bacteriology</b>	
(1) Culture .. .. .	5,002
(2) A. F. B. Smears and Diphtheria Smears .. .. .	6,187
(3) O. P. D. Laboratory routine work of Blood, Urine, Stools. .. .. .	33,747
(4) School Clinic .. .. .	
<b>Nursing Staff</b>	
Matron .. .. .	Nil.
Jr. Asst. Matron .. .. .	2
Sister Tutor .. .. .	2
Ward Sister .. .. .	24
Staff Nurses .. .. .	92
Auxillary Nurses .. .. .	87
Theatre Assistants .. .. .	7
Health Visiter .. .. .	2

#### **Expenditure out of poor box Charity Fund**

Besides the expenditure incurred from Municipal Funds as sum of Rs. 8,432.88 was spent out of the Poor Box Charity Fund in the year 79-80 as against Rs. 10,580 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 1979-80 including Liabilities at the end of the year but exclusive of the cost on new works amount to Rs. 12,088133 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 Extnsion Work Completed :**

**New works :—**From new Building for staff quarter have been taken over from DYCE (W. S.) in this year.

**Expansions :—**We have started Nursing School in one of the [building already established this hospital complex.

**Expension :—**We have started Psychiatric ward in the hospital Building by convesting the old dispensary portion on the ground floor of the hospital.

### 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 in addition to manage the workload of the hospital. ¶

This arrangment has been working very smoothly under the guidance of Dean (K).

#### ACKNOW LEDGEMENT.

Due to the persistent efforts and guidance of Dean Seth G. S. Medical Aollege, Dr. C. K. Mesh Deshpande the number of posts of registrars and house officers recognised for the purposes of post-graduate studies in the various departments of Dr. R. N. A Cooper Municipal General Hospital has been increased. Eight posts were recognised in the year 1978-79. In the year 1979-80 sixtily-five more posts are recognised in the following departments the list of which 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)	Pædiatrics	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 recognise previously.
(18)	I.C.C. Unit	Do.	3
(19)	Psychiatric	Do.	2
(20)	Skin & V. D.	Do.	2
(21)	Pædiatric	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 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
Pædiatric I	Dr. G. S. Hathi	..	..	30	..	40
Pædiatric II	Dr. P. N. Patnekar	..	..	30	..	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		(2)

## APPENDIX NO. I '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 Dr. R. D. Darne	20 } 20 }	40
	Medical (Female)	Dr. J. C. Doshi Dr. R. D. Darne	20 } 20 }	40
	Surgical (Female)	Dr. M. B. Wagle Dr. D. K. Dastur	20 } 20 }	40
	Surgical (Male)	Dr. M. B. Wagle Dr. D. K. Dastur	20 } 20 }	40
	Orthopaedic (Male) Orthopaedic (Female)	} Dr. A. J. Thakur } Dr. R. N. Katre	60 } 20 }	60 20
	Paediatric		(F. S. W.) Dr. G. S. Hathi Dr. R. N. Patnekar	30 } 30 }
	Premature	Dr. G. S. Hathi Dr. P. N. Patnekar	10 } 10 }	20
	Gynaec	Dr. S. H. Shah Dr. S. S. Palnitkar Dr. Chanbal	20 } 20 } 20 }	60
	P. N. C.	Dr. S. H. Shah Dr. S. S. Palnitkar Dr. Chanbal	20 } 20 } 20 }	60
	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 1979, 1978 and 1977.

Particulars	1979	1978	1977
<b>(A) In-patients—</b>			
1 Schedule Bed strength	520	500	500
2 Daily average no. of In-patients	670	665	615
3 Daily average no. of admissions	120	133	112
4 Total no. of new in-patients admitted	37415	37985	35063
5 Total no. of days each patient was resident	8	8.2	7.1
<b>(B) Out-patients—</b>			
1 Total no. of new out-patients attendance	343358	366465	327970
2 Daily average no. of new out-patients	903	1004	1120
3 Total no. of out-patients attendance (New & Old)	930272	908593	1124408
4 Daily average no. of out patients attendance (New & Old)	3012	2980	2939
5 No. of Casualty patients	64109	22960	75402
<b>(C) Operations—</b>			
1 Total no. of operations on In-patients	11133+2090 F. P.	10295+4977 F. P.	9387
2 Total no. of operations on Out-patients	35951	41363	38462

## APPENDIX NO. III

Statement showing the in-patients treated in the Dr. R. N. Cooper Municipal General Hospital, Juhu during the year 1978 with the Classification according to departments, discharge and deaths.

Department	In the hospital mid-night of 31-12-78	Admitted during the year 1979	Total treated	Disch. during the year 1979	Died	In the hospital by mid-night of 31-12-79
Medical	154	8477	59285	7233	618	116
Surgical	119	8131	42591	6558	432	129
Gynaec	160	10101	70482	10128	31	104
Paediatric	54	5251	14018	5335	691	57
Premature	5	422	10136	186	290	7
Orthopaedic	96	2475	24280	3036	27	104
E. N. T.	7	1242	5999	900	4	15
Ophthalmic	23	529	13219	1352	2	11
Skin	6	104	6100	224	1	1
I. C. C. U.	5	267	5996	269	50	3
Psychiatric	11	416	7804	264	..	15
	640	37415	259910	35485	2146	562

L. W.—35  
Neonatal Death—33  
Casualty—16  
Still Birth—98

## APPENDIX—IV

Statement showing the out-patients (New & O'd) and casualty in Dr. R. N. Cooper Municipal General Hospital, Juhu during the year 1979 classification according to the Dept., Sex.

Department	Sex	O. P. D. (New cases)	Casualty
Medical	Male	22072	2381
	Female	19204	1682
	M/ch.	..	..
	F/ch.	..	..
Surgical	Male	19899	22110
	Female	16820	13394
	M/ch.	12365	9349
	F/ch.	10404	8977
Gynaec	Female	22416	2185
Orthopaedic	Male	8422	464
	Female	6958	
	M/ch.	6618	
	G/ch.	6349	
E. N. T.	Male	6184	164
	Female	4904	
	M/ch.	4982	
	F/ch.	4432	
Ophthalmic	Male	5764	130
	Female	5041	
	M/ch.	4436	
	F/ch.	4311	
Dental	Male	6200	66
	Female	5251	
	M/ch.	4627	
	F/ch.	4047	
Paediatric	M/ch.	18758	18758
	F/ch.	16992	16992
Skin	Male	8649	85
	Female	6918	
	M/ch.	5627	
	F/ch.	5282	
Psychiatric	Male	2023	
	Female	945	
	M/ch.	86	
	F/ch.	53	
T. B.	Male	950	
	Female	934	
	M/ch.	109	
	F/ch.	57	
		270240	64109



## APPENDIX—V

Statement showing the relative, cost per in-patient and out-patient per day during the year 1979-80 and previous two years.

Particulars	1979-80	1978-79	1977-78
1. Average cost per In-patient per day .. ..	34.64	41.42	33.52
2. Average cost per In-patient admission .. ..	235.30	248.52	221.05
3. Average cost per Out-patient attendance .. ..	7.32	15.14	10.30
4. Average cost per out-patient admission .. ..	34.64	45.42	33.10

## APPENDIX VI

Statement showing the details of cost-per In-patient sday for the year 1979-80 and previous two years

Year	Diet.	Drugs & Dressing	Stores & linens	Healing Miscellaneous & lightning	Repair to Bldg. & Eng	Estt.	Total
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
1977-78	3.00	9.10	2.50	2.00	1.60	15.32	33.52

## APPENDIX VII

Statement showing the average cost of each new out-patient attendence for the year 1979-80 and previous two years.

Year	Drugs & Dressings	Store & linens	Healing & lighting	Misce-llenous	Repairs Bldg. & Engg.	Estt.	Total
1979-80	2.20	0.61	0.80	..	0.51	3.14	7.32
1978-79	4.52	1.24	1.17	136	82	6.03	15.14
1977-78	2.16	2.20	0.75	..	0.68	3.57	10.30

## H. B. M. G. HOSPITAL, BORIVLI.

The required informations are furnished as detailed below (alongwith Marathi version).

### High Lights

<b>I.—Expenditure</b> ... ..	Rs. 1,06,08,700.00
(A) 1. On in-patients ... ..	Rs. 70,72,466.66
2. On out patients ... ..	Rs. 35,36,233.34
(B) Average cost per—	
1. In-patient per day ... ..	Rs. 36.16
2. Out-patient per day ... ..	Rs. 6.68

### II.—Results in Patients :

(A) 1. Scheduled Bed strength ... ..	Beds :	300
2. Daily average in-patients in wards ... ..	Beds :	291
3. Admissions including those brought over from previous years ...		19,203
(4) Number of patients discharged as		
(i) relieved ... ..		12,257
(ii) as cured ... ..		4,978
(iii) Otherwise ... ..		816
(iv) Expired ... ..		823
(v) remained in the hospital on the last day of the year ...		329
(vi) daily average number of admissions ... ..		53
(vii) Average stay in-patients (in days) ... ..		7
(viii) Highest number of in-patients in a single day ... ..		349

#### (B) Out Patients :

(i) New out patients attendance ... ..	4,76,933
(ii) Daily average number of new out patients ... ..	1,590
(iii) Highest O. P. D. attendance on a single day ... ..	1,650
(iv) No. of casualty attendance ... ..	7,789

(C) (i) Operations on in-patients ... ..	7,605
(ii) Operations on out-patients ... ..	1,746

#### (D) Confinements :

(i) Booked cases ... ..	1,054
(ii) Emergency cases ... ..	376
(iii) Normal ... ..	1,077
(iv) Abnormal ... ..	324
(v) Left before delivery ... ..	29

### III. Neonatal and Maternal deaths :

(i) Maternal deaths ... ..	2
(ii) Neo-natal deaths ... ..	3
(iii) Still births ... ..	93
(iv) Premature live born infants ... ..	98

#### Specialised treatments :

(i) Sterilization (male) ... ..	10
(ii) Sterilization (Female) ... ..	381
(iii) I. U. C. D. (inserted) ... ..	78
(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. .. ..	15
(ii) Food Poisoning cases. .. ..	195
(iii) Deaths. .. ..	Nil

#### 1. Electrocardiography :

Electrocardiographic tracing (for patients were taken during the year 1979. .. ..	3548
(i) Total No. of E.C.G. cases. .. ..	3,785

#### 2. Radiology department :

(i) Total No. of patients. .. ..	20,420
(ii) No. of X-Rays. .. ..	22,432
(iii) B.M. al-B.S. Swallow and Ba-enema. .. ..	629
(iv) Carotid Angiogram. .. ..	321
(v) Special investigations. .. ..	772
(vi) Other misc investigations. .. ..	20,910

## 3. Blood Bank :

(i) No. of Bottles samples collected from.	1,860
(ii) Voluntary Donors.	265
(iii) Professional Donors.	769
(iv) Collected from other hospitals.	443
(v) Collected from patients relatives.	383
(vi) Bottles supplied.	1,800
(vii) Amount paid from Poor box charity Fund to Professional Donors.	Rs. 1,490

## 4. Mobile dispensary. :

(i) Total No. of New cases.	20,864
(ii) Total No. of Old cases.	24,231
(iii) Total No. of cases.	45,095.00

## 5. Medical Record Department :

Started on 1-12-77.

(i) Total No. of Medical certificates issue to the patients.	1,140
(ii) Total No. of Medico legal certificates issued to Police authorities.	1,100
(iii) Total No. of Court cases attend by the Doctors.	41
(iv) No. of Medico legal cases attended and treated.	8,175

## 6. Ambulance Services :

(i) Total No. of cases attended.	1,116
(ii) Amount Collected.	1,550
(iii) Attended Free calls.	55

## 7. Hearse Services :

(i) Total No. of cases attended.	413
(ii) Amounts Collected.	Rs. 11,250
(iii) Attended Free calls.	55

## 8. Social Services. : Started from 31st July, 1978.

(i) Free spectacles given to patients.	167
(ii) Total cost collected from patients for spectacles.	2,392
(iii) Supplied appliance cases (Orth.)	50
(iv) Legal aid to patients.	55
(v) Supplied spectacles from voluntary donors.	50
(vi) Babies handed over to (Home for destitute Children).	2
(vii) Non Scheduled drugs from voluntary donors and Poor box Funds.	75
(viii) Counselling Poisoning cases.	4
(ix) Supplied Hearing Aid from voluntary.	1
(x) Supplied Old cloth to 10 discharge patient.	10
(xi) Supplied Milk to 40 Children.	40
(xi) Supplied Milk to 40 Children.	40

## (9. Pathology Department :

(i) Clinical Pathology investigations.	1,37,932
(including Serology).	1,09,320
(ii) Biochemical investigations.	19,640
(iii) Blood grouping and cross matching.	8,972

## 10. Anti-Rabic treatment.

(i) Total No. of patients treated.	10,249
(ii) No. of new cases.	2,025
(iii) No. of Old cases.	8,224

## 11. Dental Department.

(i) Total No. of patients treated in dental O.P.D.	8,846
--	-------

## 12. Family Planning Department :

(i) Total No. of patients treated in F.P. centre.	1,738
(ii) Sterilization.	
Male.	3
Female.	428
(iii) I.U.C.D. Inserted.	77
(iv) Other patients.	1,230

13. **Physio-Therapy :**
- |                             |       |
|-----------------------------|-------|
| (i) Attendants of patients. | 2,751 |
| (ii) Out patients.          | 2,563 |
| (ii) In-patients.           | 188   |
14. **Occupational Therapy :**
- |                                 |       |
|---------------------------------|-------|
| (i) Total No. of patients.      | 2,134 |
| (ii) Out patients.              | 1,972 |
| (iii) Total No. of In-patients. | 162   |
15. **Audiology and Speech Therapy Department :**
- During the year 18 patients have taken advantage of the services of this Department.
- |                                  |    |
|----------------------------------|----|
| (i) No. of patients Audiography. | 15 |
| (ii) No. of Speech Therapy.      | 3  |
16. **Dispensary :** The work carried out in the Dispensary is as follows.
- |                              |          |
|------------------------------|----------|
| (i) Out patients.            | 4,76,933 |
| (ii) In patients.            | 14,362   |
| (iii) Special prescriptions. | 27       |
17. **Sterile Preparations :**
- Non-sterile preparations Liquid, enema soap and different concentration of cetaven were supplied to the entire hospitals.
18. **Special Facilities for Municipal employees. :**
- Separate counters have been kept reserved at the Resistration Department, Dispensary for the Municipal staff.
19. **Library :**
- During the year 1979, 120 books have been added in library departments as well as 220 Titkes of Journals have been received.
20. **Poor box Funds :**
- |  |     |           |
|--|-----|-----------|
| (i) Total grant for the year 1979-80     | Rs. | 15,000.00 |
| (ii) Medical certificate Money received. | Rs. | 40,58.00  |
| (iii) Blood sold                         | Rs. | 1,490.00  |
| (iv) Charity Boxes opened.               | Rs. | 14,932.00 |

## APPENDIX-I

21. **Other Heads of Departments :**

Serial No.	Name	Qualifications.	Designations
1	Dr. V. Y. Chavan	MD. F.C.P.S.C.C.P.S.	Hon. Asstt. Medicine.
2	Dr. A. N. Parelkar	M. S. (Orth)	Hon. Asstt. Orthopaedic Surgeon.
3	Dr. N. N. Desai	M. R. C. P. D. Ch (Lond)	Hon. Asstt. Paediatrician.
	Dr. K. P. Morwani	M.B.B.S. DORL, MS.	Hon. Asstt. ENT Surgeon.
5	Dr. D. V. Bhagat	M. S. (Bombay).	Hon. Asstt. Surgeon.
6	Dr. Mohan Rao	M.D.D.G.O.D.F.P.	Hon. Asstt. Gyn. Obstician.
7	Dr. Smt. S. K. Saraf	M.D.D.G.O. D. F.P.	Medical Suprintendent. Gyn. & Obst.
8	Dr. M. B. Kukreja	M.D.D.V. & D.	Hon. Asstt. Skin & V. D.
9	Dr. N. S. Athnikar	M. S. (Oph). D. O. M. S. (CPS)	Hon. Asstt. Ophthalmologist.
10	Dr. M. R. Kamdar	M. D.	Hon. Asstt. Anaesthetist.
11	Dr. V. V. Cheda	M. D.	Radiologist.
12	Dr. (Mrs.) Lal.	M. D.	Tutor in Pathology.
13	Dr. (Mrs.) S. S. Doodhar.	B. D. S. (Bombay)	Part time Dental Surgeon.

## APPENDIX—II.

The Department-wise distribution of patients treated in O. P. D., Indoor and Casualty department for January to December 1979-80.

Serial No.	Name of the Department.	Treated patients.		
		O. P. D.	Indoor	Casualty.
1	Medical ... ..	2,33,910	4,520	8,517
2	Surgical ... ..	42,347	3,482	8,614
3	E. N. T. ... ..	18,779	816	543
4	Ophthalmic ... ..	17,740	689	508
5	Skin & V. D. ... ..	57,234	...	146
6	Paediatric ... ..	57,565	4211	3,684
7	Orthopaedic ... ..	22,278	1,369	1,386
8	Gyn. & Obst. ... ..	38,234	4,116	1,202
9	Dental. ... ..	8,846	...	26
Total ...		4,76,933	1,9203	24,626

## APPENDIX—III.

Distribution of Beds according to Department.

Serial No.	Department	Male	Female	Children	Total
1	Medical ... ..	30	18	...	48
2	Surgical ... ..	35	17	...	52
3	E. N. T. ... ..	15	10	...	25
4	Ophthalmic ... ..	15	10	...	25
5	Paediatric ... ..	...	...	35	35
6	Orthopaedic ... ..	10	20	...	30
7	Gyn. & Obst. ... ..	...	30	...	30
	Obst. ... ..	...	50	...	50
8	Casualty Emergency Beds ... ..	...	...	...	5
Total Beds.					300

**SHRI HARILAL BHAGWATI MUNICIPAL GENERAL HOSPITAL  
BORIVLI.**

**SHORT NOTE**

The late Shri Harilal Bhagwati donated a piece of land to the Municipal Corporation in the year 1962 for construction of the hospital, so as to provide Medical Relief facilities to the people staying in the northern end of the City. Foundation stone was laid by late Shri Marotrao Karamwar, the late Chief Minister of Maharashtra on 1-9-1965 and the hospital was inaugurated by Shri Morarji Desai, the then Dy. Prime Minister of India on 4-2-1968. 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 etc. were added 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 into commission in August 1977. It is working round-the-clock. It has been named as Shri Keshavlal Jethuch and Bhansali Licens Blood Bank on 24-6-1979 on receipt of donation from the Lions Club of Borivli (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 22-5-1978.

Part Time Dental Clinic started at this Hospital from March 1979.

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 and Obstetrics	75
(7) Paediatric	35
(8) Casualty	5
(9) Skin and V. D.	
(10) E. C. G. Department	
(11) Radiology	
(12) Pathology	
(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).	

This Hospital has the facility of supply of Petroleum Gas through pipes to kitchen and Wards 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 gas and suction system has been installed and will start functioning soon. 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 and the construction of the mortuary block is expected soon.

Dr. (Smt.) S. K. SARAF,  
Medical Superintendent,  
H. B. M. G. Hospital,  
Borivli.

# CITY ENGINEER'S DEPARTMENT

## HIGH-LIGHTS :

### I—(A) Expenditure :

	Rs. (In Crores)
Expenditure incurred :—	9.90
(i) On execution of Loan Works .. .. .	4.32
(ii) On execution of revenue works .. .. .	15.50
(iii) On Establishment .. .. .	
(iv) On other heads—	9.38
(a) From Loan Works Budget .. .. .	1.27
(b) From Revenue Budget .. .. .	8.86
(B) Revenue Earned .. .. .	

### II—Achievements :

	Completed	In progress
<b>(1) Building Construction Branch—</b>		
(a) Housing tenements .. .. .	172	235
(b) School Buildings .. .. .	15	11
(c) Markets .. .. .	3	5
(d) Hospitals, Maternity Home & Dispensaries .. .. .	10	13
(e) Other Building Works .. .. .	6	20
<b>(2) Road Construction Branch—</b>		
(a) Road surfacing in Asphalt Concrete .. .. .	2	1
(b) Road surfacing in Cement Concrete .. .. .	1	2
(c) New Roads including S.W. Drains .. .. .	11	19
(d) Road widening .. .. .	22	35
(e) Any Other Works .. .. .	18	22
<b>(3) Building Proposal Branch—</b>		
(a) Residential Building Proposals—		
(i) Received .. .. .	Under Section 337	Under Section 342
(ii) Approved .. .. .	2,176	887
(b) Non-Residential building proposals .. .. .		643
(c) Residential buildings constructed (No. of tenements are shown in brackets)—		

By Private Parties	By Co-op. Societies	By Employers for staff
710 (7748)	244 (4,158)	13 (304)

(d) Non-residential buildings constructed by private parties. 395

### (4) Slum Improvement Branch—

(i) Colonies covered for improvements .. .. .	87
(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 .. .. .	203 Nos.
(ii) No objection certificates issued .. .. .	145 Nos.
(iii) Proposals concerning factory administration .. .. .	266 Nos.
(iv) Proposals for registration of Electrical furnaces ovens .. .. .	55 Nos.
(v) No. of samples collected and analysed at Monitoring Stations .. .. .	20,100 Nos.

### (6) Mechanical Branch—

(a) Jobs attended by—	
(i) Workshop .. .. .	1,534
(ii) Foundry .. .. .	187
(iii) Design Section .. .. .	587
(iv) Washing services rendered by Municipal Power Laundry .. .. .	47 Inst.
(v) Linen washed by Laundry .. .. .	58,90,597

### (7) Electrical Branch—

(i) Building Construction Section.	
(ii) Works by Contract (a) Completed—45 (b) In Progress—65	
(iii) Plant and Machinery Section—	
Jobs executed— (a) Departmentally—489 (b) Through Contract—88.	
(iii) Refrigeration Section—	
Works by contract— (a) Completed—11 (b) In Progress—4.	
(iv) Ward Maintenance section.	
Jobs executed by contract. 14	

**(8) Transport Branch—**

Transport Branch used 524 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 .. .. .	8,69,439
(b) Total vehicles employed for removal of refuse .. .. .	(In lakhs) 2,32,474
(c) Public Latrines maintained .. .. .	1,126
(d) Urinal stalls maintained .. .. .	1,439
(e) Welfare Centres for the Conservancy employees .. .. .	42

**(10) Acquisition of Land—**

(a) Properties acquired—Under L.A. Act—16	By Negotiations—19.
(b) Proceedings in Progress—253.	

**(11) Maintenance of Municipal Properties—**

(i) Buildings 2179	(ii) Roads— 1410.6066
(iii) Works carried out through P. W. C.—2878	

**(12) Supervision of private buildings and factories—**

(i) Notices under different sections of the Act. Issued—4,651; .. .. . Completed with—1,945; .. .. . Pending—2,786.	
(ii) Unsafe buildings or portions thereof removed by the Corporation under section 489 of Bombay Municipal Corporation Act.	118 Nos.
(iii) Authorities granted to the tenants under section 499 of the Bombay Municipal Corporation Act.	180 Nos.
(iv) Tenants who took advantage of the authorities .. .. .	1,608
(v) Action taken against unauthorised structures .. .. .	9,002
(vi) Unauthorised structures removed— By Parties—836; By Corporation—1,789; Cases where action dropped—455.	
(vii) Factory permits issued .. .. .	1,777
(viii) Prosecution launched .. .. .	1,904
(ix) Prosecutions decided in favour of the Corporation .. .. .	1,224

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 Civil Works and Petty works of repairs to Municipal Buildings, Water proofing treatment to Municipal properties, construction of compound walls, providing furniture to Municipal properties, propping works in respect of dangerous buildings and supply of drawing materials to Municipal Departments. The details of the work carried out during the year under report are as under :—

Serial No.	Particulars	General Building Works.		Housing		Slum Improvement		Annual Contract for P.W.C.	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)
1	Cloth tracing ..	13	10	2	..	..	..	..	..	..
2	Paper tracing ..	356	283	55	70	68	78	..	..	..
3	Blue print copies ..	20317	12171	820	769	676	233	..	..	..
4	Block estimates ..	47	61	24	17	..	..	..	..	..
5	Amount of Block estimates (in crores) ..	16.08	29.74	5.91	21.81	..	..	..	..	..
6	Detailed plans and estimates	35	45	12	2	..	..	..	16 Nos.	6 Nos.
7	Amount of detailed estimates (in crores) —	4.24	5.27	2.23	0.16	..	..	..	0.08	0.95
8	Contracts awarded	32	19	3	..	..	..	44	9	1
9	Detailed estimates in hand	33	36	13	7	..	..	..	4 Nos.	3 Nos.
10	Approx. cost of detailed estimates in hands (in crores) ..	31.99	10.04	2.37	10.74	..	..	..	0.05	0.63



## 2. MECHANICAL AND ELECTRICAL BRANCH :

### Air Pollution Prevention Cell :

The department of the Dy. City Engineer (Mech. and Electrical) Air Pollution Prevention came into existence in June 1976.

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 Municipalisation of Bombay Gas Company.
- (e) Remodelling of Mahalaxmi Dhobi-Ghat.
- (f) Expansion proposals of Deonar Abattoir.
- (g) Office of the Executive Engineer (Mechanical).
- (h) Office of the Executive Engineer (Electrical).

### (a) Air Pollution Prevention and Control Cell :

As the Ambient Air Quality (AAQ) in Greater Bombay started showing deterioration, an independent Air Pollution Prevention Cell (APC) was created by the Corporation in June 1976 to tackle exclusively the problem of Air Pollution and related matters. The APCC has two distinct wings.

- (i) Administrative and Engineering Wing; and
- (ii) Health Survey Wing, which operates from KEM Hospital, Parel.

The administrative and Engineering Wing is further divided into two distinct Groups.

(i) 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.

(ii) Enforcement Group, which is entrusted with factory administration and licensing from Air Pollution point of view, investigations of complaints concerning pollution, taking control measures.

### (I) Survey and Analytical Wing :

The Air Pollution Analytical Laboratory has been set up at Worli since 17th January 1978 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) Two new air monitoring stations were established under the Routine Air Quality Monitoring Programme, with an operating frequency of every sixth day. The total number of monitoring stations under this programme are—

- (a) Chembur Naka;
- (b) Pant Nagar, Ghatkopar;
- (c) Borivli (West);
- (d) Babula Tank 'B' Ward Offices;
- (e) Saki Naka (New Station); and
- (f) Dadar-Matunga (New Station).

(a) Besides preparatory works for setting up of Four additional stations was completed during the year.

(b) Six Air Monitoring stations set-up under the Health Survey Programme continued to be operated during the year.

(c) Sanitation survey of all the six localities under Health Survey Programme was carried out.

(d) Preliminary works connected with setting up of Three monitoring stations under BMRDA sponsored programme and Two monitoring stations under RCF programme were completed.

(e) The pollutants monitored during the year were SO<sub>2</sub>, NO<sub>x</sub> and Suspended Particulate Matter (SPM). The SPM samples from all stations were further analysed for 12 different parameters like water solubles, Sulphates, Nitrates, Chlorides, Volatile Matter and heavy metals like Cadmium, Lead, Nickel, Vanadium and Carcinogenic compounds like Benzo Pyrene, etc.

(f) The research projects like property damage studies, vegetation damage studies, sulphation rate studies were continued during the year;

(g) The experimental monitoring station set up at the Worli Laboratory was extensively used for research work in developing new method for measurement of pollutants.

(h) Hitherto, the meteorological data was available from only two stations viz. Colaba and Santacruz of the Indian Meteorological Department under Air Pollution Monitoring Programme, six more micro-meteorological stations were established and the data regarding wind direction, wind speed, temperature and humidity was collected. Rainfall data was also collected at 4 of these stations.

The statistical information about the monitoring activities is furnished in Appendix—11 and 12.

**(II) Enforcement Wing :**

During the year under report 669 proposals were dealt with as listed below :—

- |   |          |
|---|----------|
| (i) Air Pollution complaints including Noise, Vibration, Odour and Smoke nuisance   | 203 Nos. |
| (ii) No objection Certificates issued for Steam Boilers, Thermic Fluid heaters, oil/coke fired furnaces, Diesel Generating sets, etc. | 145 Nos. |
| (iii) Proposals concerning factory Administration dealing with renewal of permits, regularisation/rejection of additional loads, etc. | 266 Nos. |
| (iv) Proposals for registration of Electrical furnaces/ovens  | 55 Nos.  |

The survey of non-conforming industries in Greater Bombay was completed except for the industries in 'E' Ward for submission of the information 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.

The Corporation has sanctioned the proposal for levying pollution abatement fees *vide* S.C.R. No. 1646, dated the 19th October 1978. During the year under report the pollution abatement fees to the tune of Rs. 31,94,596 were collected through various Ward Offices.

**(III) 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. Out of the 4,129 original subjects studied in the year 1977, 2761 subjects were followed in the year under report between February and June. The Interim Study Report regarding the work done in the first year of survey was submitted to the Corporation in the month of May, 1979. The analysis of data carried out suggested that there were differences in the initial clinical morbidities in highly polluted area and to a degree in the Rural area. The latter may be due to poor quality water supply, sanitary conditions, housing usage of kitchen fuel and parasitic infections. The housing-cum-sanitary survey of all study areas was carried out by the Engineering wing during the year under report. Monthly Health cards were monitored in respect of 1200 subjects of 4 areas on a regular basis.

During the year under report, the diet study was carried out in respect of 2,837 survey subjects in all the four areas under the advice of the consultant of the Indian Council of Medical Research (ICMR). The statistical analysis of this data was also carried out. The data regarding weather *viz.* temperature, humidity and wind was collected from the Meteorological Department. Health statistics was also collected from the Cancer and Municipal Registry. The second year data is now being processed on the computer and the third year follow-up is about to start.

The papers based on survey results were presented in the various national and international seminars and scientific conferences held at Calcutta, Bombay and Trivendrum.

**(IV) Who-Unet 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 and technical assistance from WHO-UNEP funds and the scope of these studies be extended to cover Integrated Exposure Assessment Monitoring.

**(b) 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 infra-structural facilities.

**Emergency Medical Centres (EMC) :**

(a) In the EMC 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 nearing completion.

(c) The construction work of the EMC at Smt. M.T. Agarwal Municipal General Hospital at Mulund is in progress.

**Ambulances :**

(a) TEN numbers of 'B' type ambulances for cardiac/medical emergencies were fabricated and are being put to use one by one.

(b) The fabrication of body building on three number of 'A' type ambulances is in progress.

(c) A special type of Emergency van for maintenance of Wireless stations is completed and put into operation from 1st January 1980.

**Tele-Communication Net-Work :**

(a) The existing wireless sets installed on the water works installation and C.A.S. net work were maintained satisfactorily.

(b) Three additional wireless stations for water works Department were established at (1) Agra Road; (2) Panjrapole; and (3) Padhaga Sub-Station bringing the total number of sub stations to 13 and 3 under C.A.S.

(c) Applications for wireless Operating licences for 8 new additional stations for water supply Department were processed during the year under report.

(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.

**Wireless Maintenance Workshop :**

In order to maintain the wireless sets and other electronic equipment under C.A.S., the electronic and tele-communication workshop has been established with necessary testing facilities. The support services were also planned to make the workshop self-sufficient.

**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 Quarters 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 work of architectural plans and layouts of the buildings with infra-structural facilities was completed.

**(e) 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 services. 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 48 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 and sent to the City Controller of Civil Defence for approval.

**Liaison Work with Government Departments :**

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 work pertaining to the new and existing telephone exchanges at Head Office, installing new telephone extensions and tie lines was attended to. The planning of new 600 PABX at Head Office is also started during the year under report.

**Vigilance over Elec. and Mech. Works :**

Technical audit was carried out in respect of 189 proposals. The Electrical Mechanical and Refrigeration works totalling 110 and costing Rs. 92 lakhs were inspected and rebate amounting to Rs. 7,700 proposed for recovery from various contractors. In addition, the proposals for additional staff, specifications for plant and machinery, contractors' appraisal reports were 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 Annexure-III.

**(c) 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 NM<sup>3</sup> of Natural gas per day, to the Municipal Corporation of Greater Bombay for distribution to some major textile mills in Central Bombay (0.693 NM<sup>3</sup>/day) to bring down the levels of SO<sub>2</sub> in the environment and in domestic sector (0.14 NM<sup>3</sup>/day) as piped fuel. Accordingly, the Techno-Economic Project. Feasibility Report was prepared by the Consultants, the Humphreys and Glasgow Consultants Pvt. Ltd. in the month of June 1979 and the same was approved by the Standing Committee during the year under report. This report was submitted to the 'Study Group' appointed by the Government of Maharashtra for consideration.

The said Study Group had two meetings during the year under report, one on 24th August 1979 and the other on 1st March 1980, when the further information on the various alternatives was furnished to them. 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 permissions from various authorities etc. is undertaken.

**(d) 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 municipalised. 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, the application in the sessions court against the decision of the lower Court has already been submitted. The Session Court has admitted the application and the case will come up for hearing in the next financial year.

**Procurement of Trailer 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 alongside the kerblines 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, invited tenders for manufacture and supply of NINE numbers of indigenously manufactured trailer 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 will be placed in the next financial year.

**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 Bctim, Goa. The capacity of each boat will be to carry 75 passengers and their luggage. This service will be operated by the B.E.S.&T.Undertaking on behalf of the Corporation.

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.

**(e) Remodelling Of Dhobi Ghat :**

The Dhobi Ghat is in operation at Mahalaxmi, where there are 157 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 socioeconomic nature, was studied in depth and the practical solution of providing live 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 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.

**(f) 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 admeasuring 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 scrutinized from Locational angle and during the year under report 22 project reports/proposals were cleared.

**3. MECHANICAL SECTION :**

During the year under report, the Municipal Workshops has received 1,516 new jobs. Total number of jobs completed are 1534 Nos. The total expenditure on the departmental works amounted to Rs. 35,02,635. The upkeep and overhead charges amounted to Rs. 4,19,603 which works out to be 11.96 percent, incurred on Labour and Stores. The labour strength during the year was 415 Nos. There were 297 working days during the year.

(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 this year. In addition, manufacturing of Impeller, C.I. bushings, shafts of pumps and C.I. casting also was undertaken. Complete overhauling of pumps, repairs to the steel furniture of hospitals, lawn movers shear sharpening works of garden department were undertaken. Shaft spindler sheds, brass bushes were also manufactured.

(ii) *Boiler Shop* : In this shop 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 of Garden Department were fabricated and repaired by this department. Various clamps, hooks, axles, brackets and iron racks of Conservancy department were fabricated in the Boiler Shop. The remarkable job of fabrication of 2 tons capacity cuppol furnace of Foundry Shops was under taken and completed satisfactory this year.

(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 of Garden department and diving boards for swimming pool, etc. The meter boxes and switch board required for hospitals and other departments were also manufactured. Repairs work to seats, sofas, recanning 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 and/or sealed quotations for various types of mechanical jobs for Municipal departments. It also helps the other mechanical and electrical department in carrying out their works. The following important works were executed during the years :—

- (1) Renovation of auditorium at B.Y.L. Nairi Hospital.
- (2) Repairs to the pumps at M.G.M.D. Swimming Pool.
- (3) Demolition of factory premises in 'E' ward.

The following General Repairs work were carried out during the year :—

	Nos.
(1) Carpentry jobs. . . . .	126
(2) Painting jobs. . . . .	126
(3) Masonary repairs jobs. . . . .	12
(4) Annual surveys of boilers. . . . .	3
(5) Polishing works. . . . .	361
(6) Repairing to hospital furniture & equipments. . . . .	2600
(7) Rolling Shutters. . . . .	81
(8) Main gates. . . . .	82
(9) M. S. Tanks. . . . .	353
(10) Collapsible gates. . . . .	118
(11) Water pumping sets. . . . .	4
(12) Playing apparatus . . . . .	86
(13) Repairs to fire extinguishers. . . . .	24
(14) Repairs to door closers. . . . .	37
(15) Repairs to steel furniture. . . . .	100
(16) Repairs to Mutton & Vegetable stall. . . . .	40
(17) Tree guards. . . . .	100
(18) Drawings prepared. . . . .	65
(19) Sketches prepared. . . . .	50
(20) Tracings prepared. . . . .	1100

(v) The following special works were carried out during the year. :-

- (1) Installation of L. P. G. Tank and pipe line at L. T. M. G. Hospital.
- (2) Instalation of L. P. G. Tank and pipe line at B. Y. L. Nair Hospital.
- (3) Instalation of L. P. G. Tank and pipe line at K. E. M. Hospital.
- (4) Providing—T. W. Lab. counters at G. S. M. College.
- (5) Providing T. W. Locker cabinets for M. G. M. O. Swimming Pool.
- (6) Providing additional furniture at A. P. P. Laboratory Worli.
- (7) Providing slotted angle racks at G. S. M. College.
- (8) Providing Iron racks for Legal department.

(vi) *Foundry Shop* : Municipal Foundry situated at Municipal workshops casts ferrous and nonferrous items as per requirements from different Municipal departments with the help of two nos. of coke fired pit furnaces respectively. C. I. Manhole frames and covers are the main products of Municipal Foundry. Other articles include pump castings, impellers base plates, hubs, bushings, frames, cocushings, pulleys, items of gun-metal bronce, while metal bearings and special alloys etc.

During the year under Report, Foundry has received 199 Nos. of jobs from Municipal Workshops and other different departments and out of this 187 Nos. of jobs were completed. Foundry has received 16 Nos. work orders from Dy. Chief Engineer (Stores) alone for the supply of 1200 Nos. C. I. Circulars Manhole frames and covers and 355 Nos. rectangular Manhole frames and covers, 75 Nos. S. T. boxes and 65 Nos. O. P. boxes and 670 Nos. C. I. Steps.

(vi) **Municipal Power Laundry :** During the year the Laundry washed 58,90,597 Linen of 47 institutions at Rs. 55 per 100 pieces of Linen from April 1979 to September 79 and at Rs. 60 per 100 pieces of linen from October 79 to March 80.

#### 4 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 are provided 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.

33 Estimates were prepared.

88 works were carried out through outside agencies costing Rs. 1,89,564.00.

489 works were executed departmentally costing Rs. 4,68,739.00.

(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 248 estimates amounting to Rs. 50,19,764 prepared and works of electrification, providing pumping sets electrical fans, fitting clocks, repairs etc., amounting to Rs. 4,82,274 are completed and works costing Rs. 7,77,246 in progress.

(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. A beginning has, however, been made from this year to attend departmentally to the work of servicing and maintenance of the equipments, located at major Municipal Establishment. (See Appendix-7).

#### 5. REPAIRS BOARD CELL :

Two A. Es. with four S. Es. are working in this Cell under the guidance 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 1-4-79 to 31-3-1980 are as under :—

(1) Preparation of Agenda Notes for Board's meetings, Technical Committee meetings and special meetings held every month (35 Nos.).

(2) Scrutiny of the draft schemes submitted by the board for reconstruction of building (45 Nos.).

(3) Site inspection of the location of the building which were to be undertaken by the B. H. and A. D. Board for structural repairs (*i. e.* 122 Nos.) such inspections are necessary to determine the admissibility of structural repairs to 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 by Building Proposal Section were given on the repairs to the cessed Bldgs. for considering the permission for repairs etc. (122 Nos.).

#### 6. SLUM.

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. 14,00,909.00 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, 98,146 were being provided amenities under the Slum Improvement Programme during the year 1980. So far the Corporation have provided about 179 Nos. of water taps, 127 Nos. of W. C./A. P. Seats, 19,830 Sq. mts. passages 25,930 R. Mts. of drains.

The Corporation under the Slum Improvement Programme has also provided additional amenities including Schools 5 Nos., Dispensary and health centres 8 Nos. and One Police Chowky during the year at the Municipal Cost. Total expenditure incurred is Rs. 1,89,92,343 on the above amenities provided during the year.

The details in respect of the colonies improved and being improved during the year 1979-80 are given below :

(1) No. of colonies on Municipal land.	.. ..	84 Nos.
(2) No. of colonies on Government land.	.. ..	3 Nos.
		Total : 87 Nos.

**(B) CLEARANCE OF SLUMS :**

This 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 Board's Act.

**(C) SLUMS ON MUNICIPAL LAND :**

During this year *i. e.* 1979-80 the Corporation have not declared and acquired any Slum for its development.

**Municipal Slums :**

No. of slums declared and development completed.	No. of slums under clearance and redevelopment in stages.
24	3

**7. BUILDING AND ROAD MATERIALS TESTING LABORATORIES AT WORK :**

**I. Building Material Testing Laboratory :**

Particulars of the samples.	No. of samples Tested			
	Deptt. work	Govt. work	Private work	Total No.
Concrete	2032	1970	1798	5800
Bricks	885	330	119	1334
Cement	38	19	34	91
Miscellaneous tests etc.	Not Separated			7

Particulars of the samples.	Cost of testing actually Recovered in Rs.			Total cost in Rs.
	Deptt.	Govt.	Private	
Concrete	1,755.00	14,775.00	26,970.00	43,500.00
Bricks.	11,505.00	4,290.00	1,555.00	17,350.00
Cement	1,680.00	1,995.00	3,570.00	7,245.00
Miscellaneous Tests.	..	..	..	1,110.00
Hire of Moulds.	..	..	..	1,287.00
			Grand Total:	70,492.00

**II. Road Material Testing Laboratory :**

Tests on	Number of tests done	Amount of Revenue Rs.
(1) Asphalt Mixes	4470	4,000.00
(2) Soils.	1226	2,017.50
(3) Aggregate.	280	285.00
(4) Chemical tests on water and soil samples.	24	..
<b>Total :</b>	<b>6000</b>	<b>6,302.50</b>

Free cost of testing cement and concrete Rs. 1,01,527.00.

**8. BUILDING CONSTRUCTION BRANCH.**

This branch supervised the work of Building construction after contracts are awarded by Planning and Design department. A synopsis at the work done by this branch during the year is as Under :—

Particulars.	Zone	Work completed		Works in Progress	
		Nos.	Cost (in lacs)	Nos.	Estimated cost (in lacs)
<b>A. Housing.</b>					
(a) Works including pile foundation	City	4	42.25	6	114.75
	W. S.	1	3.03	..	..
	E. S.	..	..	..	..
(b) Structures.	City	..	..	..	..
	W. S.	3	..	..	..
	E. S.	1	..	1	..
(c) Tenements.	City	4	42.25	5	113.65
	W. S.	68	..	..	..
	E. S.	100	4.26	230	45.04
<b>B. Other than Housing.</b>					
(a) Schools	City	3	49.9	2	155.1
	W.S.	3	7.40	6	163.00
	E. S.	2	19.29	3	55.62
(b) Markets.	City	3	22.41	3	43.9
	W. S.	..	..	2	39.88
	E. S.	..	..	..	..
(c) Hospital & Maternity Homes.	City	5	38.33	7	224.41
	W. S.	3	12.05	3	108.70
	E. S.	..	..	..	..
(d) Other works.	City	3	1.45	9	262.03
	W. S.	1	1.42	8	236.94
	E. S.	2	14.49	3	140.40

**9. MAINTENANCE OF MUNICIPAL BUILDINGS AND ROADS :**

(1) **Municipal Buildings :** Municipal Buildings in the City at the end of the year were :—

(a) **Housings :** (Tenements 39157) in the City and (Tenements 8070) in the Suburbs.

(b) **Other Buildings :** 1266 in the City and 913 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 whereas the work of additions and alterations to the buildings as also those of providing additional amenities fall under the category of New Works.

The repairs and maintenance works at the Municipal properties were carried out either departmentally or through annual petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was Rupees 4.07 Crores (City Rupees 2.78 crores and 1.29 crores) out of this an amount of Rs. 1.33, 0.65 crores was spent on Normal maintenance. An amount of Rs. 2.09 was spent on new and special repairs works. Works costing Rs. 3.26 crores (City 1.47 crores and Suburbs 1.79 crores) were executed through the petty works contractors.



**(2) Roads and Footpaths.****Length of Road (K. M.)**

	C ment Concrete	Block tapped	Sett paved	Water bound Macadam.	Others	Total length.
City	67.0676	306.5972	0.53	..	104.2018	478.3966
Suburbs.	.. 146.60	720.86	..	58	6.75	932.21

**Improvement of Roads.**

	Street Asphalt	Chipon Asphalt	Semi- grouting.	Asphalt concrete	Surface dressing
<b>City.</b>					
Area (Sq. Mtrs.)	.. ..	..	..	..	..
Expenditure (Rs. in lacs)					
<b>Suburbs.</b>					
Area (Sq. Mtrs.)	..	..	..	74,325	45,650
Expenditure (Rs. in lacs.)	..	..	..	21.01	23.00

Rs. 92.68 lacs and Rs. 62.85 lacs have been spent on repair road including reinstatement of trenches and 49074.57 sq. mtrs and 789975 sq. mtrs. different types of road surface work improved departmentally in City and Suburbs.

132 works and 623 works costing Rs. 22 lacs and Rs. 121 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 streets name boards, providing new boards, maintenance of public movements, benches on the Footpath and guard railings were undertaken as usual.

While widening road 25150.88 sq. mtrs. land in suburbs was acquired under setback and compensation claims for set back settled during the year amounted to Rs. 17.88 lacs. for Suburbs.

There were 42 road rollers out of which 1 petrol driver and 38 were diesel driver and 3 steam driver.

**Permits** :— 3921 permits in City and 5268 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. 21,401 in City and Rs. 33,642.29 in Suburbs were recovered as fees for the purpose.

343 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 2471 permits were issued for occupation of roads for erecting mardaps, placing chairs and benches etc., and Rs. 41,697.75 were realised from City and Rs. 5,751 from Suburbs.

**III.—Asphalt Plant and Crushers —**

The work of asphaltting roads approved by the Corporation was continued during the year and Roads covering an area of 120570 Sq. mtrs, were asphalted at a cost of Rs. 17,46,851 (Appendix 2 page 9).

**I—Asphalt Plant. :—**

(a) The Municipal hot-mix asphalt Plant at Worli was in operation through out the year except during the monsoon from July 1979 to October 1979. The Pegson 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 6410 Sq. mts. of potholes was repaired during the year.

(c) Capital roads amounting 102881 Sq. mts. were repaired by surface, chip coat, Grit coat.

The main Asphalt Plant and Pegson Plant worked for 300 days and remained closed for 65 days on account of rainy season, Sundays holidays and breakdowns 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. 17,48,851.00.

The area of 11279 Sq. mts. was repaired by providing surface coat, chip coat, grit coat etc., on grouted roads.

The total turn out by the main and Pegson Plant were 5996120 kgs. and 5434700 kgs. respectively please.

**PUBLIC STREETS LIGHTING :**

*Lighting* Electric street lamps on the Roads, Gardens, on foot over bridges were 24,825 in the City and 30,260 in Suburbs giving an increase of 526 and 384 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. & Fluorescent	T. D. Ballasts.	Total
Municipal	13035	28389	340	41764
All in hire	Nil.	13321	Nil.	13321
			Total	55085

During the year 5,821,637 K. wts (Load) and 20,94,647 K.W.H. units were consumed for maintenance of street lighting through B. E. S. T. Undertaking.

Additional expenditure of Rs. 1,94,413 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, wharf, docks and bunds.

The lighting arrangement on 11 roads have been improved, street lights were provided on 70 new roads.

New Installations were made at Sewri-Wadala Fly over bridge at Road No. 16 and 90 Road at Dharavi.

The temporary lighting arrangement was provided during the Ganapati Festival at Girgaum Chowpatty, Cuffe parade, Mazagaon 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 and also at Gate way of India on 'New Year Eve.'

The traffic islands, central divider and railing have been provided at 40 different road junction at the approximate total cost of Rs. 5,35,480.

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 semi high mast lights by the B. E. S. T. Undertaking. The work on high mast lights at Khodadad circle, Dadar, has been started by Messrs. Philips India Ltd., as donation.

**(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 1418 out of which 1303 vehicles retrieved by the parties were released on payment. Steps are taken to auction the unclaimed 115 vehicles to recover Municipal dues.

**(iii) Traffic :**

Expenditure incurred on 50 roads at the approximate cost of Rs. 7,27,130 for the work of constructing traffic islands, central dividers and R. C. C. railings.

Automatic traffic signals are installed at 12 different locations in the City and Suburbs and flashing beacons are also installed 17 different places in the City and Suburbs.

**(iv) Construction of Roads :** The Road Branch attends to road works, Bridge works, nalla, S.W. Drains in City, Subs. and Extended Suburbs. It is incharge of

(1) Preparing plans and estimates of resurfacing of existing roads, Construction of new roads, widening of roads, improvement of private street and Bridge Works, Nalla Works, S.W. Drain etc.

(2) Invitation of tenders and awarding contracts for road works, S.W. Drains Bridge 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 materials, quarry materials, bitumen, rubble, filler powder coarse 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 out 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 kutcha 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, rivers, 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 control rooms during the monsoon period. During the year 14 estimates for training of nallas, and underground S. W. Drains in Suburbs and Extended Suburbs have been prepared, 26 estimates for S. W. Drains in City have been prepared.

## 12. PRIVATE BUILDINGS AND STREETS :

(i) **Building Proposals :** 4,228 proposals (1,115 in City and 3,113 in Suburbs) under Section 337 and 342 of Bombay Municipal Corporation Act for erection of new buildings and for additions and alterations to the existing buildings respectively were received during the year. Out of those 2,438 proposals (177 in City and 2,261 in Suburbs) were passed :—

Serial No.	Particulars	City	Suburbs
1	Building applications received .. .. .	1,115	3,113
2	Permits for construction of buildings issued .. .. .	117	2,261
3	Completion certificate received .. .. .	63	1,393
4	Buildings dealt with .. .. .	159	5,883

(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 .. .. .	34	710	896	7748
(b) Co-operative Societies .. .. .	15	244	394	4,156
(c) Employees for their employees .. .. .	1	13	20	304

975 proposals (332 in City and 643 in Suburbs) for non-residential building were received during the year—Out of which 866 proposals (487 in City and 379 in Suburbs) were disposed of and 323 non-residential buildings (72 in City and 251 in Suburbs) have been constructed during the year.

12 proposals for amalgamation and 4 proposals for sub-division were received and 8 proposals amalgamation and 2 proposals for sub-divisions were sanctioned.

(iii) **Improvement of Private Streets :** Action under the provisions of the Bombay Municipal Corporation Act is taken to improve private streets. Different types of action taken under these sections are as per Appendix No. 10.

## 13. TRANSPORT BRANCH :

The Transport Department (City) is entrusted with the maintenance and operation of vehicles supplied to various Municipal Departments. There are 524 Vehicles and 37 Trailers in the City Fleet.

The overall efficiency of the fleet was maintained at 85 per cent. throughout the year.

The Vehicles are used for rendering various services as shown below :—

Details of Vehicles	No. of Vehicles	No. of Trailers
1 V.I.P. Cars Staff Cars and Committee Cars	28	
2 Committee Buses and M.S. Agenda Circulations	11	
3 Health Services (Ambulances, Hearses, Mobile Health Unit Vehicles, School, Health and Blood collection Vehicles, etc.)	94	
4 Conservancy Services (Refuse removal etc.)	130+18 Bull Dozers	37
5 Meat Vans Service	57	
6 Encroachment removal service	17	
7 Other Services	169	
<b>Total Vehicles</b>	<b>524 Nos.</b>	<b>37 Nos.</b>

The suburban Transport Department is entrusted with maintenance and operation of vehicles for various departments. Some new vehicles were purchased and thus, there were 401 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	65
Conservancy services	222
Encroachment	...
Encroachment removal	22
Others	91
<b>Total</b>	<b>401</b>

#### ACHIEVEMENTS.

(a) Selling of the accumulated scrapped material i.e. Tyres, Batteries, M. S. scrap, Un-servicable Spare parts—steps were taken to dispose of.

(b) 10 Nos. of new vehicles were added in the fleet.

(c) 10 Nos. of scrapped vehicles were purchased from B. E. S. & T. for conversion into MOBILE DISPENSARY VAN.

(d) Due to improvement in utilisation of vehicles this department has supplied 115716 vehicle shifts realising Rs. 5,22,495 more than that of last year.

(e) Total efficiency of the fleet achieved during the year. 70 per cent.

#### 14. DEVELOPMENT PLAN :

The Development Plan Department deals with :—

- (1) Implementation of Development Plan sanctioned in 1967.
- (2) Revision of existing plan as required under section 38 of the Maharashtra Regional and Town Planning Act.
- (3) Acquisition of land required for providing civic amenities.

##### (1) Implementation of Development Plan :

With a view to modify Development Plan in cases of discrepancies and on representation from the owners and councillors 8 proposals for modification of reservation under section 37 and one proposal for deletion of reservation under section 50 of the Act, were approved by the Corporation and forwarded to the State Government seeking sanction thereof during the year. 2 proposals for Development Control Rules were sanctioned by the Corporation.

##### (2) Revision of Development Plan :—

For the purpose of the revision of the Development Plan of Greater Bombay, the detailed existing Land Use Survey of the critical areas identified by the Technical Group as also cursory Survey of the remaining areas is already completed and the plans showing the existing Land uses and the life of structure etc. have also been prepared. The critical areas comprise of whole of the island city, area consisting of 1 K.Mt. radius around stations in Suburbs and Sq. K.Mt. areas around stations in Extended Suburbs and 200 metre wide strip of land on both sides of Swami Vivekanand Road, Lal Bahadur Shastri Marg and V.M. Purav Marg, Sion Trombay Road) i.e. major arterial roads.

The Planning Standards for various amenities and services have also been finalised and submitted to the Corporation for their sanction.

The work of revised Development Plan of City Wards is also taken in hand on the basis of Planning Standard, already referred to above and the work in respect of A.B.D.E. and F/North Wards is almost completed.

The maps for preparing revised Development Plan of Greater Bombay are to be obtained from Pilot Map Production Unit at Hyderabad and the plans are being prepared from Aerial Photo Survey carried out in the year 1975. Out of 126 sheets, 22 sheets covering Island City areas have now been decided to be obtained by Photo Reduction Process from City Survey Sheets to expedite the work. Out of the remaining 104 sheets, we have so far received 59 sheets for updating. Out of these 59 sheets received for up-dating, 30 sheets have already been up-dated and returned for printing.

Regarding plans for Island City areas, the plans for B, C and E wards have already been prepared and printed to the scale of 1=2500. Plans for remaining wards will be available within next 3 to 4 months.

The policy plan (Structure Plan) already prepared by this section, is placed before the Advisory Committee appointed by the State Government to advise in the matters of revision of the Development Plan of Greater Bombay for approval.

(3) *Acquisition of Lands* :—

As regards the acquisition land, it is to state that 19 properties were acquired by negotiations and 16 properties were acquired through land acquisition proceedings during the year. Awards were made by Special Land Acquisition Officer in respect of 14 properties. Proceedings under Land Acquisition Act and Maharashtra Regional and Town Planning Act in respect of 253 properties and by negotiations in respect of 27 properties are in progress. Set back land rates in respect of 34 set-back were fixed for making payment of compensation of land acquired for widening various roads and lanes. Standard rent in respect of 44 Municipal Properties was fixed.

Besides, this Department gave the guide lines to various departments of the Corporation particularly the Building Proposals Section of the Corporation in matters connected with the Building Bye-laws, Development Control Rules and Urban Land (Ceiling and Regulation), Act.

**15. TOWN PLANNING SCHEME :**

I.—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).
- (2) Town Planning Scheme, Bombay City No. II (Mahim area).
- (3) Town Planning Schemes, Bombay City No. III (Mahim area).
- (4) Town Planning Scheme, Bombay City No. IV (Mahim area).

(A) Following are the Town Planning Schemes in Suburbs—

**SUBURBS—**

- (1) Town Planning Scheme, Bandra No. I (1st Varied) (Final).
- (2) Town Planning Scheme, Bandra No. II (2nd Varied) (Final).
- (3) Town Planning Scheme Bandra No. III (Final) (1st Varied) Award.
- (4) Town Planning Scheme Bandra No. IV (1st Varied) (Final).
- (5) Town Planning Scheme, Bandra No. V (1st Varied) (Final).
- (6) Town Planning Scheme, Bandra No. VI (1st Varied) (Final).
- (7) Town Planning Scheme, Bandra No. X (Principal) (Final).
- (8) Town Planning Scheme, Santacruz No. I (1st Varied) (Final).
- (9) Town Planning Scheme, Santacruz No. II (1st Varied) (Final).
- (10) Town Planning Scheme, Santacruz No. III (1st Varied) (Final).
- (11) Town Planning Scheme, Santacruz No. IV (1st Varied) (Final).
- (12) Town Planning Scheme, Santacruz No. V (1st Varied) (Final)—Award.
- (13) Town Planning Scheme, Santacruz No. VI (1st Varied)—Award declared.
- (14) Town Planning Scheme, Vile Parle No. I (1st Variation) (Final).
- (15) Town Planning Scheme, Vile Parle No. II (1st Variation) (Final).
- (16) Town Planning Scheme, Vile Parle No. III (1st Variation) (Final).
- (17) Town Planning Scheme, Vile Parle No. IV, IV-A (1st Variation) (Final).
- (18) Town Planning Scheme, Vile Parle No. VI (1st Varied) Final).
- (19) Town Planning Scheme, Andheri No. I (2nd Variation) (Final).
- (20) Town Planning Scheme, Andheri No. II (2nd Variation) (Final).
- (21) Town Planning Scheme, Andheri No. VI (2nd Variation) (Final).
- (22) Town Planning Scheme, Ghatkopar No. I (1st Variation) (Final).
- (23) Town Planning Scheme, Ghatkopar No. II (1st Variation) (Final).
- (24) Town Planning Scheme, Ghatkopar No. III (1st Variation) (Draft).
- (25) Town Planning Scheme, Vile Parle No. V (Principal) (Draft) Before the Arbitrator.

**EXTENDED SUBURBS—**

There are 4 Town Planning Schemes in the Extended Suburbs, viz. :—

- (1) Town Planning Schemes, Malad No. I (1st Variation) (Final).
- (2) Town Planning Schemes, Borivli No. I (1st Variation) (Final).
- (3) Town Planning Scheme, Borivli No. II (1st Variation).
- (4) Town Planning Scheme, Borivli No. III (Principal) (Draft).

(A) Town Planning Scheme, Bombay City No. I (Manavi and Elphinstone Estate) (—The main reason for non-completion of works in the Town Planning Scheme is that the areas are heavily encumbered and there is no adequate alternate accommodation to offer to the persons likely to be dishoused. Corporation by their Resolution No. 2651, dated the 23rd March 1973 declared their intention to vary the Town Planning Scheme, Bombay City No. I. Government has declared its intention to vary the Scheme and further process of appointment of Tribunal is in progress.

Town Planning Scheme Bombay City No. II (Mahim area) ( A declaration of intention of variation of Town Planning Scheme No. II was made by the Corporation *vide* Resolution No. 270, dated the 29th June 1973. 1st varied (Draft) is already submitted to the Government Arbitration Proceedings are completed and award is before the Tribunal.

Town Planning Scheme Bombay City No. III (Mahim area) (The Draft variation of T.P.S. has also been submitted to the Government for sanction. Government has sanctioned the scheme and the Arbitrator has declared his award in March 1980.

Town Planning Scheme Bombay City No. IV (Mahim). The T.P.S. is declared for second variation by the State Government and the draft variation is in progress.

Town Planning Scheme No. VI, Santacruz was declared for variation and the same was submitted to the Government which is sanctioned and Arbitrator has recently declared his award in December 1979.

(C) Town Planning Schemes which are before the Town Planning Officer area.

- (1) Town Planning Scheme, Bandra No. III (1st Variation).
- (2) Town Planning Scheme Vile Parle No. V (Principal).
- (3) Town Planning Scheme, Ghatkopar No. III (1st variation) Award declared in March 1980.

## II—ACHIEVEMENTS—

All works contemplated under the sanctioned Town Planning Schemes, are executed by respective Ward Officers. As regards the development of plots for the public purpose in the sanctioned Town Planning Schemes, the development work is done according to the programme fixed by the Deputy City Engineer (Planning and Design) in consultation with respective Ward Officers.

As regards the Town Planning Department the following things were done during the year under report.

The comments of Director of Town Planning were scrutinised and representations in the schemes of Town Planning Scheme No. 1 (Mandavi and Elphinstone) were studied and the resolution has been sent to Government for information for dropping the proposed variation in view of vehement opposition from all sides.

III—Suggestion for remedying any deficiencies.

IV—Such other special information.

## 16. CONSERVANCY BRANCH :—

The Department of Solid Waste Management including the Transport Branches, Works under the direction and control of the Dy. City Engineer (Mechanical and Conservancy) who is also designated as Director, Solid Waste Management. He is assisted in the work by Head Supervisor, Dy. Head Supervisor, Assistant to the Head Supervisors and by two Executive Engineers in the Transport wing. The transport wings provide vehicles for transportation of refuse and cess-poll contents from un-sewered area.

*Solid Waste Management* :— The service consist of collection, removal and disposal of garbage and sweeping from the Public Roads, streets, foot-paths and by-lanes and maintenance of Dumping Grounds. The work of removal of Night Soil and Cess Pool from un-sewered area and maintenance of public sanitary conveniences is also undertaking.

(i) *Collection of refuse* : All the public roads, foot-paths and house gullies were cleaned daily. The quantity of refuse and other waste material collected in street cleansing operation from the City and Suburbs is as follows :

Refuse collected.	Average per/day.
City 7.74 lac tonnes.	2121 tonnes.
Subs & Ext. Subs. 3.56 lac tonnes.	977 tonnes.

During the year, 798 hutment colonies situated on the Govt., Maharashtra Housing Board, Private and B.M.C.'s land were attended and 67,500 tonnes of 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 shifts.	Vehicle shift on contract.	Ratio	Refuse transported.
1	City	52,098	1,05,980	33.67	
2	Subs & Ext. Subs.	43,696	30,700	59.41	

Five Nos. computing vehicles which carry 2 1/2 times more load than that carried by conventional vehicles were used.

Subsequent to closure of Kurla D onar Railway from 15-1-1979, two transfer stations (one at Mahalaxmi and another at Durgavi) have been started. The refuse from these transfer stations is transported by bulk carriers to the final place of disposal.

(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 8,69,439 tonnes approximately. The final disposal of refuse in suburbs was done by reclaiming low-lying land at Chincholi, Gorai, Esic Nagar and Chor in Western Suburbs and Deonar and Mulund in Eastern Suburbs. Total disposal in the Suburban dumping ground was 222360 tonnes.

(iv) *Collection, Removal and Disposal of Night Soil* :

Night soil, collection and disposal service was rendered to 4068 basket privy seats. Total 676 kilo litres quantity of night soil was removed daily in the City and Suburbs. 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 1126 public sanitary conveniences with 7644 W. C. seats and 1439 urinals were maintained.

(vi) *Prevention of Nuisance* :

During the year, 1662 cases in the City and 2378 cases in the Suburbs and Extended Suburbs were made by 91 Nuisance Detectors for urinating, defecating and throwing refuse on public roads under section 715 of the Bombay Police Act and Rs. 30,529 were recovered as fine. During the year 2386 cases in the City and 795 cases in Suburbs were made under Section 372(E) of the Bombay Municipal Corporation Act and Rs. 23,623 and Rs. 12,662 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. Skinning work is being carried out at village Bapne in Thana District since 1-5-1973. About 39541 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. 30,05,158.12 was collected for rendering conservancy services.

(ix) *Conservancy Staff Quarters* :—

163 Labour Chawls in the City and 113 chawls in Suburbs with 4222 and 1492 tenements respectively were looked after and maintained for housing conservancy staff. 49% and 44% 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. 12 new chawls have been constructed during the year.

(x) *Labourer Welfare* :—

42 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 7014 members for the benefit of Labour Staff of the Branch. The share capital subscribed was Rs. 43,30,656.50.

(xii) *Expenditure on conservancy Services for the year 1979-80* :—

The total expenditure incurred on Conservancy Services for garbage cess pool and public sanitary, conveniences etc., during the year was Rs. 8,18,99,440.00 out of which Rs. 7,66,50,847.00 was for clearance, transportation and disposal of refuse of 7.74 lacs tonnes. The expenditure on Halaikhore services in the City and Suburbs were Rs. 52,48,593.00 and Rs. 5,18,59,017.00 respectively. The cost per tonne of garbage come to Rs. 105.79 and per capital Rs. 19.41.

(xiii) *Special features* :—

(a) The 300 tonnes per day compost plant installed at Deonar to convert garbage into Organic Manure has been in commission.

(b) 250 kg/hour capacity incinerators installed at Group of T. B. Hospital at Sewree for burning hospital refuse has also been commissioned.

(c) A small apparatus viz. 'Ozoniser' has been installed in a Municipal Market at Grant Road with a view to minimise the bad odour emanating from the mixed market garbage.

(d) Emergency services were started from 28-5-1979. The services were given in all City Wards only. 44 chronic complaints were attended during night time and 1480 tonnes of refuse was removed.

**17. PRODUCTIVITY UNIT :—**

Department of Productivity is established for conducting programmes 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 programmes 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 agencies. 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 candidates appearing for the post of Head clerks/ Dy. Supdt. (A & C) Sr. A. & A. A. (A. C. A.) examination and promotional post from Sub-Eng. to A. E. (Civil) examination were conducted during whole year. Approximately 550 candidates took advantage of these classes. 32 programmes of newly developed courses and 56 programmes for the existing ones were carried out.

Major and minor projects studies numbering 93 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 2066 books on Management, Engineering and other allied fields. This year the increase in membership has been 141. The Library has now 1086 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 during 1980. The centre, when fully developed will serve the internal need and also those of other Local Bodies.

Shri N. P. Nobre, Dy. C. E. (Productivity) was in charge of this unit during 1979-80.

**APPENDIX No. 1.**

*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 40 tenements at M. P. Mill Compound.	9.5
2	Completing the incomplete work of remaining staff quarters at G.T.B. Hospital.	17.25
3	Additional 5th floor over Jobanputra Compound.	4.5
		30.35
(W. S.)		
1	Construction of 48 tenements at Khotwadi, Santacruz (West).	3.03
	Total	3.03
(E. S.)		
1	Construction of 100 tenements at Match Factory Lane, Kurla.	4.25
	Total	4.25
(b) Other than Housing.		
(City)		
1	Extension to Dental College Building.	31.2
2	Construction of School Building at Gollanji Hill, Sewree.	36.4
3	Construction of School Bldg., at Kakasahb Gadgil Marg.	12.5
4	Construction of Market at Colaba (Phase-II).	14.6
5	Pile foundation to the Eye Hospital at Kamathipura.	2.5
7	Pile foundation for proposed School Bldg., at Sindhi Lane, 'C' Ward.	1.00
7	Guniting to G/North Ward Office Bldg., at Dadar.	1.00
8	Proposed additions and alterations in the existing structures at Kasturba Hospital to install Hyperberic chamber.	3.00
9	Additions and alterations to the Emergency Ward at L.T.M.G. Hospital, Sion	0.73
10	Proposed fountain at Tardeo Junction.	1.75
11	Construction of Shops in the Compound of F/South-Ward Office.	1.20
12	Proposed repairs to old veg. and mutton section of Mirza Galib Market (Null Bazar).	6.6
13	External painting to Nair Hospital Dental College at Old and new extension building.	0.9
14	Development of Shivaj Park Hindu Cemetery.	11.00
		124.38



## APPENDIX No. 1 (Contd.)

Serial No.	Name of the work.	Expenditure Rs. in lacs
(W. S.)		
1	Proposed temporary R. M. O.'s Quarters and Drying Cloth Sheds at Bhabha Hospital Bandra (West).	1.42
2	Superstructure for School Building at Narli Agripada, Santacruz (West).	1.48
3	Additions alterations and extension to the existing School Building at T. P. S. 6th Road, Santacruz (East).	2.50
4	Repairs to the Ceiling at operation theatre and W. C. Blocks etc., by guniting at Bhabha Hospital, Bandra (West).	1.20
5	Repairs to Dr. R. N. Cooper Hospital Juhu Guniting grouting etc.	2.30
6	Construction of Maternity Home and Dispensary on Plot No. 1, Paranjpe 'B' Scheme, Vile Parle (East).	8.55
7	Construction of school Bldg. at Quarry Road, Malad (E.)	3.42
	Total	20.87
(E. S.)		
1	Construction of School Building at Moreshwar Patankar Marg, Kurla.	1.37
2	Construction of additional floor over school bldg., at Bail Bazar, Kurla	1.01
3	Construction of School Building at Park Site, Vikhroli.	1.08
4	Construction of additional 3rd floor over School Bldg., at Park Site, Vikhroli.	3.17
5	Completing the incomplete work of School Building at Kannanwar Nagar, Vikhroli.	1.40
6	Construction of School Building at Sarvoday Society Opp. (K. V. T. High School, Ghatkopar.	1.38
7	Construction of School Building at Octroi Check Naka, Mulund.	5.68
8	Construction of School Building at Mulund Colony.	2.19
9	Proposed construction of additional six class rooms at temporary school at Mulund Check-naka.	1.99
10	Further expansion of Bhabha Hospital, Kurla.	7.00
11	Construction of Maternity Home and Staff Quarters at Tagore Nagar, Vikhroli	12.37
12	Construction of additional 2nd floor over 'T' Ward Office, Mulund.	11.73
13	Construction of Compound Wall for playground at Pant Nagar, Ghatkopar.	2.76
		43.13

## .. 'B' Works in progress.

Serial No.	Name of the work.	Estimated Cost	Expenditure incurred upto 31-3-1980
(Rs. in Lakhs).			
(a) Housing			
(City).			
1	Construction of 272 tenements and 8 shops at Sector 'B' Dharavi.	38.00	33.5
2	Construction of 48 tenements at Plot No. 156-C T. P. S.-III Mahim.	8.8	6.5
3	Guniting to B. I. T. Chawls at Bellasis Road.	29.1	3.00
4	Providing Pile foundation for the Sweepers' Quarters Kasturba Hospital, Arthur Road, (Phase-II).	1.1	1.00
5	Construction of 50 tenements at Moreachiwadi (Phase-II)	13.25	11.00
6	Construction of Staff Quarters at Haystack Road and Underground Suction Tank at Approach Road, Mahalaxmi.	24.5	19.5
	Total	114.75	74.5
(E. S.)			
1	Construction of 600 tenements at Deonar Slaughter Houses.	82.82	0.13
2	Construction of 260 tenements for redevelopment of Chembur Labour Camp.	51.10	13.53
3	Construction of 230 tenements at Barve Nagar, Ghatkopar.	45.04	10.64
		178.96	24.3

## APPENDIX No. 1 (Contd.)

Serial No.	Name of the work.	Estimated cost.	Expenditure incurred upto 31-3-1980.
			Rs. in lac
(b) Building other than Housing.			
(City)			
1	Proposed Gymnasium Building at B. I. T. Chawls at Baelias Road.	7.5	..
2	Repairs to M. J. P. (Crowford Market).	8.5	6.1
3	Construction of Electric Crematorium at Shivaji Park Hindu Cemetery.	25.9	0.5
4	Construction of Transport Garage at Dr. E. Moses Road, Worli.	92.00	0.28
5	Proposed construction of P. S. C. Block below Princess Street, Fly-over-bridge at Netaji Subhash Road.	1.83	0.09
6	Construction of Compound Wall for protecting Municipal vacant lands reserved for public purposes at A, B, C, D, E, F/S, F/N, G/S, G/N Wards and Quarters for Watchmen.	3.7	1.00
7	Pile foundation for proposed multistoried Building for Nair Hospital (600 Bedded) at Dr. A. L. Nair Road.	96.75	42.5
8	Construction of Lift Block at Nair Hospital Dr. A. L. Nair Road	21.7	3.6
9	Expansion of the South-side of M. P. Printing Press at Carnak Bunder.	18.5	1.25
10	Construction of Central Medical Library at K. F. M. Hospital, G. S. M. College.	36.0	14.5
11	Proposed additions and alterations to the existing Kamathipura Maternity Home.	2.06	2.00
12	Providing Waterproofing for cold storage at C. S. M. Market, Palton Road.	13.6	8.2
13	Construction of School Building at Parel Govt., Gate Road.	40.5	17.00
14	Re-construction of Masjid Bunder Market.	21.8	18.75
15	Construction of Maternity Home at Dharavi.	44.7	36.5
16	Construction of (i) Cath Lab. at C. V. T. C. K. E. M. and (ii) in O. P. D. K. E. M. Hospital.	1.8	..
17	Waterproofing treatment to the terraces of the various Municipal Buildings in different Zones ('A' to G/South Wards)...	Lump-sum	7.5
18	Construction of Maternity Home, Dispensary and B.E.S.T. Receiving Station at Zaobawadi, Thakurdwar.	20.5	11.25
19	Construction of G/South-Ward Office Bldg.	96.5	31.2
20	Construction of School Building at L. N. Road.	18.1	14.0
21	Erection of Wireless Communication Steel Tower at Fire Brigade Head Quarters.	18.1	14.0
		<u>576.24</u>	<u>219.22</u>
(W. S.)			
1	Construction of School Building at S. No. 341 (Pt.) Govt. Colony, Bandra (East)	17.57	5.73
2	Development of Khar Market near Railway Station	15.76	2.37
3	Construction at Chinabaug Market at Vakola, Santacruz (East)	24.12	6.33
4	Proposed additional floor over School Building at Kalina	1.94	0.28

## APPENDIX No. 1 (Contd.)

Serial No.	Name of the work.	Estimated cost.	Expenditure incurred upto 31-3-1980. <i>Rs. in lacs</i>
5	Construction of centralised Ambulance Service Building at Dr. R.N. Cooper Hospital, Juhu .. .. .	45.75	11.72
6	Construction of Coroners Court at Dr. R.N. Cooper Hospital, Juhu, Vile-Parle (West) .. .. .	13.71	5.41
7	Construction of School Building at Tarun Bharat Society, Chakala, Andheri (East) .. .. .	26.86	2.55
8	Construction of Fire Brigade Station at the junction at Kurla 'Andheri Road,' Marol, Maroshi Road, Andheri (East)	62.04	10.08
9	Construction of Cemetery near Mithi River, Marol, Andheri (East) .. .. .	11.18	6.99
10	Proposed Maternity Home at Oshiwara Dumping Ground, Jogeshwari (West) .. .. .	31.98	14.78
11	Construction of Electric Crematorium at Hindu Cemetery Oshiwara Jogeshwari .. .. .	37.42	9.17
12	Providing an upgraded dispensary in-front at existing old dispensary at Malvani, Malad (West) .. .. .	3.88	1.00
13	Proposed extension to School Building in Municipal Housing Colony, Mitha Nagar at M.G. Road, Goregaon (West) ..	27.58	9.59
14	Construction of Public Auditorium at Goshala Lane, Malad (East), (Phase-II). .. .. .	8.31	4.94
15	Construction of Municipal Centenary Hospital at Kandivali (West) .. .. .	72.84	15.58
16	Construction of Superstructure for School Building at Rajendra Nagar, Borivali (East) .. .. .	22.60	8.19
17	Proposed Lecture Hall, etc. for Nursing School at Harilal Bhagwati Hospital .. .. .	4.06	1.98
18	Construction of Compound Walls and Quarters for Watchmen Borivali (West) for protection at Municipal vacant lands reserved for public purposes H/East, H/West, K/East, K/West, P & R Wards .. .. .	54.47	0.59
19	Construction of School Building at Borivali (Eksar Village) Phase-I .. .. .	66.44	..
		548.51	117.28
(E.S.)			
1	Construction of School Building on Dr. Jaokar's Plot at Chunabhatti, Kurla .. .. .	33.30	..
2	Construction of School Building at Anik Village, Chembur .. .. .	11.09	6.69
3	Extension to School Building at S.L. Road, Mulund .. .. .	11.24	2.60
4	Construction of Centenary Hospital at Govandi .. .. .	191.74	16.44
5	Expansion at Maternity Home at Chembur .. .. .	39.60	1.34
4	Construction of Upgraded Dispensary at Tilak Nagar, Chembur .. .. .	5.98	2.66
7	Consturction of 'M' Ward Office at Chembur .. .. .	67.69	9.95
8	Construction of Centralised Ambulance Service at Mulund .. .. .	38.25	5.36
9	Construction of Compound Walls and Quarters for Watchmen for protection of Municipal Vacant Lands reserved for public purposes at L, M, N & T Wards .. .. .	34.47	7.05
10	Construction of Godown for the Storage Hazardous Goods at Deonar .. .. .	12.22	5.96
11	Construction of Office Building and Loading and Unloading Platform at L.B.S. Marg, Mulund .. .. .	37.66	5.91
		483.24	63.96

## APPENDIX No. 2.

Information to be furnished by A.E. Asphalt in addition to the report in narrative form

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 Chip Coat, Grit Coat, Surface Coat, etc.	1,02,881	15,08,458.00
2	Bitumenous roads repaired with Grit Coat, etc.	11,279	1,74,825.00
3	Potholes repaired	6,410	63,568.00
		1,20,570	17,46,851.00

## APPENDIX No. 3.

Detailed report of total out put of Municipal Foundry

Serial No.	Type of Casting	Quantity	Weight Kg.	Rate	Per	Amount
				Rs.		Rs.
1	Circular Manhole frame S/C (540 mm.)	1200 Nos.	28,800	420.00	Each	5,04,000.00
2	Rectangular Manhole frames/ C (3'x1½')	175 Nos.	43,750	480.00	Each	84,000.00
3	Rectangular Manhole frames/ C (3'x2')	180 Nos.	58,500	550.00	Each	99,000.00
4	S.T. Boxes	75 Nos.	2,250	45.00	Each	3,375.00
5	O.P. Boxes	65 Nos.	2,600	70.00	Each	4,550.00
6	C.I. Steps	670 Nos.	4,020	10.00	Each	6,700.00
7	Mechinable castings	Lot	70,000	5.00	Kg.	3,50,000.00
8	C.I. Non-mechinable	Lot	10,000	5.00	Kg.	50,000.00
9	C.I. Wheel 10" x 2"	Lot	2,000	5.00	Kg.	10,000.00
10	Railway Casting	Lot	950	5.00	Kg.	4,750.00
11	G.M. Casting	Lot	2,450	35.00	Kg.	85,700.00
12	Brass Casting	Lot	1,700	25.00	Kg.	12,500.00
13	Copper Casting	Lot	140	45.00	Kg.	6,300.00
14	Alluminium casting	Lot	160	18.00	Kg.	2,880.00
15	White metal bearing	10 Nos.		100.00	Each	1,000.00
				Total		12,24,755.00

## APPENDIX No. 4.

Statement showing the details of asphalt plant production.

				Main Plant.	Pegson Plant
				K.G.	K.G.
Binder	...	...	...	1,250	...
Surface	...	...	...	33,47,410	...
Chip coat	...	...	...	6,96,910	29,17,510
Grit coat	...	...	...	99,420	...
Seat Coat	...	...	...	10,450	...
Premix 1"	...	...	...	431,930	83,420
Premix 1/2"	...	...	...	14,08,750	24,33,770
				59,96,120	54,34,700

## 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		Contracts Awarded				Amount	
		City	Subs.	City	Subs.	Civil		Elect.		City	Subs.
						City	Subs.	City	Subs.		
1	School.	19	30	18,77,000.00	31,44,000	...	...	...	...	...	...
2	Housing.	22	13	22,34,000.00	25,33,000	...	...	...	...	...	...
3	Hospitals Dispensaries, Nurses Quarts. etc.	12	15	21,89,000.00	40,33,000	...	...	...	...	...	...
4	Markets.	5	5	7,40,300.00	4,11,000	...	...	...	...	...	...
5	Offices.	8	1	2,13,394.00	11,562	...	...	...	...	...	...
6	Lifts.	3	...	12,91,400.00	...	...	...	...	...	...	...
7	Inter-Com.	6	4	2,86,243.00	1,99,624	6	1	...	...	1,89,795	36,075
8	Slums.	6	14	1,05,140.00	1,38,650	...	...	...	...	...	...
9	Miscellaneous.	25	19	42,23,800.00	44,85,350	6	1	...	...	69,957	9,000
Total:		106	101	1,31,62,337.00	1,49,56,186	12	2	...	...	2,59,752	45,075

## 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 in lakhs.		Nos.		Estimated cost in lakhs.		
		City.	Subs.	City.	Subs.	City.	Subs.	City.	Subs.	
(1)	(2)	(3)		(4)		(5)		(6)		
				Rs.	Rs.			Rs.	Rs.	
1	Road surfacing work in asphalt concrete.	1	1	0.60	6.56	5	1	225.86	5.83	
2	Road surfacing work in cement concrete	1	...	3.40	...	2	...	82.92	...	
3	Construction of new road including S. D. Drains.	3	8	11.81	20.62	2	17	52.97	491.21	
4	Road widening	...	2	20	5.07	72.39	...	35	...	834.72
5	Any other works	..	4	14	27.90	42.89	3	19	76.00	226.98
6	S. W. Drains	...	..	2	...	0.63	...	...	...	
7	Nalla works	...	..	12	...	18.03	...	6	...	76.75
Total		...	11	57	48.78	161.12	12	78	437.75	1635.49

**APPENDIX No. 7**

*Statement showing the details of works carried out by electrical refrigeration Section (City and Suburbs)*

Serial No.	Nature of Proposal.	Estimated prepared.				Works Contracts awarded				Works completed.				Works in progress			
		City		Suburbs.		City		Suburbs		City		Suburbs		City		Suburbs	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
<b>Loan Works</b>																	
1	Central Plants.	...	1	16,00,000.00	2	13,59,127.00	...	...	2	13,59,127.00	...	...	...	...	2	...	
2	Packaged Type Water Cooled.	...	3	4,48,315.00	4	8,20,597.00	...	...	...	...	...	...	...	...	...	13,59,127.00	
3	Packaged Type Air-Cooled.	...	3	4,48,315.00	4	7,71,194.00	...	...	...	...	...	...	...	...	...	...	
4	Window Air-Conditioners.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	Mortuaries.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	Ventilation Plants Miscellaneous.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Roof Insulation Boxing Ducting, False Ceiling and Acoustic Treatment.	...	1	25,000.00	...	...	1	25,840.00	...	...	1	25,840.00	...	...	...	...	
8	Providing Electric supply to Air Conditioning equipment and submersible pump etc.	...	1	25,000.00	1	2,850.00	1	2,990.00	1	2,410.00	1	3,020.00	1	2,990.00	...	1	2,410.00
9	Blood Storage Cabinets Water Coller.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	Colling Towers.	...	...	...	1	12,320.00	...	...	...	...	...	...	...	...	...	...	
	<b>Total Rs.</b>	...	9	25,46,630.00	12	29,66,688.00	2	28,830.00	3	13,61,537.00	2	28,860.00	1	2,990.00	...	3	13,61,537.00
<b>Revenue Works.</b>																	
1	Window Air Conditioners.	...	17	7,17,001.00	6	1,30,311.00	9	3,61,296.00	1	14,805.00	8	2,71,678.00	...	...	1	14,805.00	...
2	Repairs to Window Air Conditioners.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	Misc. Electric wiring.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4	Refrigerators Water Coolers.	...	2	2,35,690.00	2	16,990.00	...	...	...	...	...	...	...	...	...	...	
5	Roof Insulation, Ducting, Boxing, Acoustic Treatment False Ceiling etc.	...	...	...	1	1,05,500.00	...	...	...	...	...	...	...	...	...	...	
6	Misc.	...	74	1,86,599.00	5	12,350.00	74	1,88,599.00	5	12,530.00	...	...	...	...	...	...	
	<b>Total Rs.</b>	...	93	11,39,290.00	14	2,65,151.00	83	5,49,895.00	6	27,155.00	8	2,71,678.00	...	...	1	14,805.00	...

## APPENDIX No. 8

Statement showing details of works carried out by building construction  
(Electrical Section)

(Rs. in Lacs)

Serial No.	Description of the work	Works Completed	Actual Expenditure	Works in progress	Expenditure up to 31-3-1980
			Rs.		Rs.
<b>Electrification of providing Electrically driven water pumping sets at—</b>					
1	<b>Schools—</b>				
	City	2	90,000.00	3	2,23,000.00
	Western Suburbs	4	4,54,000.00	10	2,40,000.00
	Eastern Suburbs	4	4,05,000.00	3	1,04,000.00
2	<b>Ward Offices—</b>				
	City	..	..	..	..
	Western Suburbs	1	4,50,000.00	..	..
	Eastern Suburbs	..	..	1	1,06,000.00
3	<b>Hospital ... Dispensary ... Maternity Home—</b>				
	City	1	2,80,000.00	2	1,38,000.00
	Western Suburbs	3	3,78,000.00	9	13,18,000.00
	Eastern Suburbs	1	2,08,000.00	3	2,68,000.00
4	<b>Markets—</b>				
	City	1	16,000.00	2	1,40,000.00
	Western Suburbs	2	1,10,000.00	2	1,00,000.00
	Eastern Suburbs	..	..	1	90,000.00
5	<b>Housing —</b>				
	City	1	80,000.00	3	1,05,000.00
	Western Suburbs	1	95,000.00	1	..
	Eastern Suburbs	..	..	2	..
6	<b>Garages—</b>				
	City	..	..	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
7	<b>Welfare Centre—</b>				
	City	1	45,000.00	..	..
	Western Suburbs	1	1,60,000.00	..	..
	Eastern Suburbs	..	..	..	..
8	<b>Lights—</b>				
	City	3	27,000.00	..	..
	Western Suburbs	1	2,30,000.00	3	2,00,000.00
	Eastern Suburbs	1	1,05,000.00	9	6,17,000.00
9	<b>Cemetaries—</b>				
	City	2	67,000.00	1	1,05,000.00
	Western Suburbs	..	..	1	4,51,200.00
	Eastern Suburbs	..	..	..	..
10	<b>Fire Brigade —</b>				
	City	..	..	..	..
	Western Suburbs	..	..	1	..
	Eastern Suburbs	..	..	..	..
11	<b>Drama Theatre—</b>				
	City	..	..	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
12	<b>Swimming Pool—</b>				
	City	..	..	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
13	<b>Misc. Works (Air Conditioning Electrification in Slums P.S.C.'S etc.)</b>				
	City	1	30,000.00	1	1,10,000.00
	Western Suburbs	..	..	..	..
	Eastern Suburbs	14	3,860.00	7	3,06,000.00
<b>Total :</b>		45	36,16,000.00	65	46,21,200.00

## 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 lacs.)
<b>I.—Road resurfacing in Asphaltic Concrete.</b>		
<b>CITY</b>		
1	Improvement of internal roads in Jijamata Udyan.	0.60
	Total	0.60
<b>SUBURBS</b>		
1	Re-surfacing of the carriage-way of Mahatma Phule Road, L. T. Road, and Gokhale Road in Mulund (East).	6.56
2	Improving the remaining portion of Saki Vihar Road from Sakinaka to Projects Office.	..
	Total	6.56
<b>II.—Road re-surfacing works in cement concrete.</b>		
<b>CITY</b>		
1	Raising approaches to Falkland Road over-bridge.	3.40
	Total	3.40
<b>SUBURBS</b>		
Nil.		
<b>III.—Construction of New Roads.</b>		
<b>CITY</b>		
1	Construction of 27.43 M. wide road in asphaltic macadam from Estrella Battery junction to Dharavi Road including two cross Roads:	2.18
2	Construction of roads and S. W. drains in B. B. Rs. Block KV, Phase-II.	4.30
3	Construction of roads and S. W. drains in B. B. Rs. block—III, Phase-II.	5.33
	Total	11.81
<b>SUBURBS</b>		
1	Construction of 18.30 M. wide D. P. Road parallel to Bhandup Railway line to Bhandup Station.	..
2	Construction of 13 M. wide D. P. Road from Reserve Bank Quarters to Ghatla Village, Cymbur.	2.45
3	Construction of 27 M. wide D. P. Road from M. G. Road to Vallabh Baug Lane in Asphalt macadam at Goradia Nagar, Part-I.	11.26
4	Construction of Road along South side of 12' dia. water main from Pereira Wadi to meet Kherani Lane near Saki Naka.	1.64
5	Construction of roads and providing cross drainage work for development of Municipal land at Donar Ancillary Unit, Cymbur.	1.09
4	Construction of D.P. Roads (Reti Bunder Road) and other roads in Peston Sagar.	1.18
7	Construction of 18 M. wide Mithagar Road from Railway Level Crossing to proposed 44' D. P. Road at Mulund (East).	2.76
8	Construction of Borivli-Mulund Link Road from Dattpada Municipal School Road upto Tata Receiving Station, Borivli.	0.93
	Total	21.31



## APPENDIX No. 9 (Contd.)

Serial No.	Name of the work	Expenditure
		(Rs. in lacs.)
<b>IV—Road Widening</b>		
<b>CITY</b>		
1	Adding set-back lands to roads in E, F, and G Wards for 1978-79. ..	0.74
2	Adding set-back lands to roads in A, B, C and D Wards for 1978-79. ..	4.33
	Total ..	<u>5.07</u>
<b>SUBURBS</b>		
1	Widening and improving 81 M. wide D. P. Road between Vidya Vihar Railway Station and 7th Road Rajawadi. ..	1.08
2	Widening and improving of L. B. S. Marg from Electro Equipment Co. to Mulund Creek Naka, Mulund. ..	1.70
3	Adding set-backs at V. N. Purav Marg (Old Sion Trombay Road) at the junction of R. C. Marg, Chembur. ..	2.79
4	Widening and improving in Wadia Estate and providing storm water, drains, Kurla. ..	1.23
5	Improving the existing road known as Old B. P. T. Road leading to Gadkari Quarry at Mahul, Chembur. ..	4.11
6	Widening and improving 18 M. wide road off S. G. Barve Marg, at S. No. 14 in Asphalt macadam and providing S. W. drains and culverts at Kurla. ..	1.21
7	Widening and improving V. N. Purav Marg (Old Sion Trombay Road) from Chunabhatti Level Crossing and E. E. Highway. ..	1.66
8	Widening and improving 18 M. wide road along Khuzani Lane from Saki Vihar Road upto village Boundary of Chardevalli. ..	0.70
9	Widening and improving 12 mt. wide layout road at Bharat Nagar, Bandra-Kurla Complex, Bandra (East). ..	0.47
10	Widening and improving in asphalt macadam J. P. Road from 4 Bungalows to 30.5 mt. wide Relief Road, Stage-II. ..	4.98
11	Widening and improving D J. Road including V.G.S.W.D. at Vile Parle (West) ..	3.54
12	Widening and improving in asphalt macadam J. P. Road from 30.5 Mt. wide Relief Road, Andheri (West) Stage-III. ..	7.48
13	Improving and resurfacing at Barfiwala Lane (Julhu Lane), Andheri (West). ..	5.48
15	Widening and improving in asphalt macadam J. P. Road from Ceaser Road upto S. V. Road Andheri (West) Stage-IV. ..	9.41
15	Widening and improving in asphalt macadam J. P. Road from Sevan Bungalow to Four Bungalow, Andheri (West) Stage-I. ..	13.47
16	Widening and improving 60' wide D. P. Road from junction at B.E.S.T. Nagar upto junction of Relief Road, Goregaon. ..	1.80
17	Widening of Gorai Road, from Gorai Creek upto Quarry Road, Borili (West), Phase-I ..	2.56
18	Do. Do. Do. Phase-II ..	1.74
19	Improving of Roads in Abhinav Co-op. Housing Society Limited, Borivli (East) ..	0.23
20	Widening and improving at Rani Sati Marg from level crossing upto Bhanji Wadi, Malad (East). ..	6.69
	Total ..	<u>70.33</u>
<b>V—Any other works</b>		
<b>CITY</b>		
1	Repairs to bad spots on major roads in the City. ..	7.29
2	Repairs to paths and p.d.c.-work in the City for 1979-80. ..	17.08
3	Covering and strengthening the closed portion of Tribhuvan drain between Tuliwadi and Keshavrao Kladye Marg. ..	1.72
4	Construction of Sea-wall at the reception pond Cpp. Soti's Orpharao S. V. Sayarkar Marg. ..	1.80
	Total ..	<u>27.89</u>

## APPENDIX No. 9 (Contd.)

Serial No.	Name of the works.	Expenditure
(Rs. in lacs)		
<b>V- Any other works</b>		
<b>SUBURBS</b>		
1	Repairs to major roads in Eastern Suburbs. . . . .	10.00
2	Construction of foot-over bridge over the existing nalla at Nehru Nagar, Kurla. . . . .	0.60
3	Repairs to Patholes and patch-works in Eastern Suburbs. . . . .	14.52
4	Construction of bed of channel on either side of W. E. H. from Kala Nagar Bandra to T. P. Line, Khar (East). . . . .	0.31
5	Repairs to major roads in Western Suburbs. . . . .	2.23
6	Construction of foot-over bridge in 'R' Ward. . . . .	2.37
	<b>Total</b> . . . . .	<b>30.03</b>
<b>VI—Storm water drains</b>		
<b>City</b>		
1	Diversion of 700 mm. dia. sewer and 1200 mm. dia watermain at Lalbaug junction. . . . .	0.64
2	Traffic improvement at Part-I(a) Junction of T. H. Kateria Marg and L. J. Road of S. taladevi Temple Road and L. J. Road Part-II (b) Junction of N. M. Joshi Marg and Senapati Bapat Marg.(c) Gokhal Road (South) and Sayani Road Part-III Contraflow Bus Lane against S. V. Savarkar Marg (Cadell Road) between Sayani Road and Bengal Chemicals. . . . .	1.68
3	Road over bridge at Wadala in lieu of L. C. No. 5-HB. . . . .	94.02
	<b>Total</b> . . . . .	<b>96.34</b>
<b>SUBURBS</b>		
1	Construction of storm water drains at Canteen Stores Department at Ghatkopar. . . . .	0.64
2	Providing open S. W. D. at Kannam ar Nagar, Vikhroli. . . . .	..
3	Filling for development of Bandra Kurla Complex (Phase-II) . . . . .	21.46
	<b>Total</b> . . . . .	<b>22.10</b>
<b>VII—Nallas</b>		
<b>SUBURBS</b>		
1	Diversion of existing Nalla flowing through Old Slaughter House Compound at Bandra (West). . . . .	2.72
2	Training of nalla from culvert No. 25/2 in Datar Colony, Bhandup. . . . .	..
3	Training of nalla at Laxmi Nagar adjacent Ghatkopar Andheri Link Road, Ghatkopar. . . . .	..
4	Training of nalla in Asalphe and Mohili Village from Culvert No. 13 and 14 upto culvert No. 12 below Vihar Water Main, Part-II. . . . .	1.08
5	Training of nalla from Railway Level Crossing No. 31/2 and providing additional pipe culvert across A. C. C. Sub-way (Mulund/West). . . . .	2.01
6	Training of nalla in Asalphe and Mohili Village from culvert No. 13 and 14 upto culvert No. 12, Part-I. . . . .	2.06
7	Training of nalla from Ayodhya Nagar to culvert across R. C. Marg and Vashi Naka Chembur. . . . .	3.31
8	Training of nalla at Daraki Baug, Bhandup. . . . .	1.05
9	Training of nalla at Sacred Pool, Kurla. . . . .	7.74

## APPENDIX No. 9

Serial No.	Name of the work	Expenditure
		(Rs. in lacs)
10	Training of nalla from Block No. A/24 upto the culvert across L. B. S. Marg (Lower Depotpada) in Parksite Colony, Vikhroli. .. .. .	0.84
11	Training of nalla from Demographic Institute to the culvert across Kurla-Mankhurd Railway Lines, Cacmbur. .. .. .	0.65
12	Training of nalla from Laxmi Nagar adjacent to Railway culvert No. 20/5, Ghatkopar. .. .. .	1.62
13	Training of nalla at Yeshwant Nagar, Park Site Colony, Vikhroli. .. .. .	0.56
14	Construction and training of nalla between P. F. Building and Bapuji Stalls (Rajak Wadi nalla), Kher Nagar, Bandra (East). .. .. .	0.60
15	Construction and training of nalla from culvert 'D' across Jijamata Road upto culvert 'E' across W. E. H. at Andheri (East). .. .. .	6.06
16	Training of nalla from Rasraj Hotel upto Irla Nalla at Vile Parle (West). .. .. .	2.14
17	Construction and training of Nandadeep nalla upto Strc amside, Goregaon. .. .. .	..
18	Construction and training of nalla from Hanuman Nagar Cross Road, upto built up nalla Akurli Road, Kandivli. .... .. .	0.30
19	Construction and covering of Chandavarkar Nalla, Borivli (West). .. .. .	0.13
20	Training and construction of the remaining portion of Shastri Nagar nalla upto the culvert on 120-A Relief Road, Goregaon (West). .. .. .	1.00
	Total .. .. .	33.96

## 'B'—Works in progress

Serial No.	Name of the work.	Estimated cost	Expenditure booked upto 31-3-1980
		Rs. in lacs	Rs. in lacs.

## I—Road resurfacing in asphaltic concrete :

## CITY

1	Re-surfacing with asphalt macadam Veer Srikant Keshav Hadkar Marg, including laying of underground S. W. drain. .. .. .	5.86	7.21
2	Resurfacing of certain roads in City in asphalt premix part-I & IV .. .. .	30.96	2.22
3	Do. Do. Part—II .. .. .	40.18	13.08
4	Do. Do. Part—III .. .. .	44.78	4.66
5	Do. Do. Part—V .. .. .	49.88	10.80
		225.84	38.33

## SUBURBS

NIL

## II—Road resurfacing in cement concrete :

## CITY

1	Resurfacing with cement concrete P. D'mello Road from Malat Road to Princess Dock. .. .. .	10.49	2.58
2	Re-construction of Dr. Amb-dkar Road and Sion Road between B. N. Mahe shwari Udyan and Sion Road No. 19 Scheme-6 at Sion in cement concrete. .. .. .	72.42	0.81
		82.91	3.39

## APPENDIX No. 9 (Contd.)

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1979
		(Rs. in lacs.)	(Rs. in lacs.)
<b>III—Construction of New Roads :</b>			
<b>CITY</b>			
1	Proposed construction of 19 mtrs./9 mtrs. wide road in Asphalt macadam from Nehru Planetorium to Dr. E. Moses Road, Worli.	27.81	9.94
2	Construction of 27.45 M. and 13.40 Mtr. wide Road giving access to the proposed BEST Depot at Dharavi.	25.15	12.04
		52.96	21.98
<b>SUBURBS</b>			
1	Construction of 12 mtr. wide D. P. Road in Asphalt macadam from G. P. Road, Khar to Juhu, Santacruz (Gazdar)	51.87	6.28
2	Construction of proposed 37 mt. wide Andheri-Ghatkopar Link Road from Telly Gully to W. E. H., Andheri (East).	9.58	4.17
3	Construction of 30.5 Mt. Relief Road from J. P. Road to Oshivara Village, Part-I.	25.09	3.62
4	Construction of 30.5 Mt. Relief Road from Oshivara Village to proposed Oshivara Bridge, Stage-II.	34.52	17.81
5	Construction of 100' wide Relief Road, Goregaon, Stage-III.	33.50	4.99
6	Construction of 100' wide Relief Road, Chincholi, Stage-IV.	29.74	6.23
7	Construction of Borivli Mulund Link Road from Dattapada Municipal School Road upto Tata Receiving Station, Borivli (East)	21.02	0.93
8	Construction of 12.2 mt. wide road from Quarry Road to Haju-Bapu Road, Malad (East).	25.06	5.16
9	Construction of 100' Relief Road from Chincholi to Marve Road Malad, Stage-VI.	29.37	7.57
10	Construction of 18.30 mt. wide D. P. Road from Aarey Road to Goregaon Mulund Link Road, Goregaon (East).	14.55	..
11	Construction of 18.30 mt. wide D. P. Road from Goregaon Mulund Link Road to Rani Sati Marg, Malad (East).	21.50	..
12	Construction at Jetty at Marve and extension of the existing Jetty at Manori.	20.02	..
13	Construction of 27 M. wide D. P. Road from Railway Level Crossing to Kesar Baug Nalla and providing storm water drains.	36.56	3.40
14	Construction of 18.30 M. wide D. P. Road, in Asphalt macadam through C. T. I. from Old Sion Trombay Road to Kurla Station.	15.15	3.65
15	Construction of 18 M. wide D. P. Road Nahur Industrial Estate from Junction of Nehru Road to L. B. S. Marg, Mulund.	35.30	2.23
16	Construction of 27 M. wide D. P. Road through Garodia Nagar and Pant Nagar, Part-II.	54.23	8.00
17	Construction of Roads in Bawa Praduman Singh layout with asphalt macadam and providing S. W. Drains.	3.83	1.91
18	Extension of road from Deonar Pumping Station to Deonar Refuse Dumping Ground and extension of Shivaji Nagar.	15.68	1.08
19	Construction of 30 M. wide Wadala Ghatkopar Road, Phase-I.	33.60	..
		510.17	77.07

## APPENDIX No. 9 (Contd).

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1979
		<i>Rs. in lacs.</i>	<i>Rs. in lacs.</i>
<b>IV—Road Widening</b>			
<b>CITY</b>			
<i>Nil.</i>			
<b>SUBURBS</b>			
1	Widening and re-surfacing of V. P. Road, (Linking Road) from Turner Road, Bandra to 1st Road, Khar, Part-I. ..	45.54	13.27
2	Widening and re-surfacing of V. P. Road, (Linking Road) from 1st Road Khar to Junu Road, Part-II. ..	23.38	19.71
3	Widening and improving 12 mt. wide layout Road at Bharat Nagar, Bandra-Kurla Complex. ..	6.43	0.47
4	Widening and improving Sahar Road in asphalt macadam from Junction of Sr. M. V. Road, to Chakala Road, Andheri (East). ..	36.23	5.35
5	Widening and improving Sahar Road from its junction to Chakala Road upto dead end near Aripport Boundary, BEST Terminus, Andheri (East). ..	25.59	10.97
6	Widening and improving Mahakali Caves Road from M. V. Road to Holy Spirit Hospital, Andheri (West). ..	16.29	2.94
7	Improving of Golibar Road from J. P. Road Khar Sub-way in—Asphalt macadam including providing S. W. D. at Khar (East) ..	4.72	1.84
8	Widening and improving Nehru Road in asphalt macadam from W. E. H. to Vakola pipe line at Santacruz (East). ..	13.06	1.47
9	Widening and improving of G. P. Road, Khar (East). ..	14.92	--
10	Widening and improving of 27.5 mt. wide S. V. Road in asphalt concrete from the junction of Turner Road, Bandra (West) to Chitrakar Dhurandhar Marg, Khar (West), Part-I. ..	46.27	10.80
11	Widening and improving of 27.5 Mt. wide S. V. Road in asphalt concrete from the junction at Chitrakar Dhurandhar Marg to Station Road, Santacruz (West) Part-II. ..	36.43	11.64
12	Widening and improving of 27.5 Mt. wide S. V. Road in asphalt concrete from the junction at Station Road, Santacruz (West) to H/West Ward Limit, Santacruz (West) Part-III. ..	41.24	7.15
13	Improving of West-side service Road of W. E. H. from Nehru Road, Santacruz (East) to Nehru Road, Vile Parel (West)l	11.60	--
14	Widening and improving in asphalt macadam J. P. Road, from four Bunglow upto 30.5 M. wide Relief Road, Stage-II. ..	18.56	4.98
15	Widening and improving in asphalt macadam J. P. Road, from 30.5 mt. wide Relief Road, Andheri (West), Stage-III. ..	16.70	7.48
16	Widening and improving in asphalt macadam J. P. Road from Caser Road, upto S. V. Road, Andheri, Stage-IV. ..	24.33	9.41
17	Widening and improving D. J. Road including U. G. S. W. D., Vile Parel (West). ..	11.56	3.53
18	Improving and resurfacing at (Barfiwala Lane) Juhu Lane Andheri (West). ..	15.30	5.48
19	Widening and improving of remaining portion of 30.5 mt. road at J. V. P. D. Scheme North of Irla Nalla, Part-I. ..	14.60	7.85
20	Do. Do. Part-II. ..	14.60	8.51
21	Widening and improving in asphalt macadam J. P. Road from Seven Bungalows, Andheri (West), State-I. ..	27.99	13.47

## APPENDIX No. 9 (Contd.)

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1979
		(Rs. in lacs.)	(Rs. in lacs.)
22	Widening and improving of S. V. Road, from Piramal Nagar to Goraswadi. Part-I. ..	37.35	16.41
23	Widening and improving 60' wide D. P. Road from junction of BEST Nagar upto junction of Relief Road, Goregaon (West). ..	3.90	1.79
24	Widening and improving Chincholi Road, from Railway Level Crossing to Relief Road, Malad (West). ..	20.92	--
25	Widening and improving I. P. Patel Road including providing U. G. S. W. D. Goregaon (East). ..	10.61	5.69
26	Widening and improving Daftary Road, Malad (East) from Level Crossing to W. E. H. including U. G. S. W. D. ..	42.01	5.46
27	Widening and improving Rani Sati Marg from level crossing upto Dhanji Wadi, Malad (East). ..	12.85	6.69
28	Widening and improving of Malvani Colony Road, Malad (West). ..	29.31	9.63
29	Widening and improving of Shantilal Modi Road, Kandivli (West). ..	19.90	4.03
30	Widening and improving of Mathurdas Road, at Kandivli. ..	18.88	5.51
31	Widening and improving at certain Roads in Asphalt macadam at Malad (West). ..	20.22	0.54
32	Widening and improving S. G. Barve Marg (C. S. T.) Road with asphalt macadam between culvert and E. E. H. and providing S. W. D. ..	10.94	3.54
33	Construction and widening and improving certain roads with asphalt macadam in Municipal Colony at Parksite, Vikhroli (West) and providing S. W. drains and culverts. ..	--	--
34	Widening and improving L. B. S. Marg from E. E. H. to culvert near Johnson and Johnson Co. in asphalt macadam and providing S. W. drains. ..	118.38	8.63
35	Widening and improving 13 mt. wide road in asphalt macadam from Kajupada bridge upto Kulkarni Wadi and providing S. W. drains in 'L' Ward. ..	--	--
		<u>826.95</u>	<u>223.70</u>
X—Any other works :			
CITY			
1	Construction of double barrel drain between Zakeria Bunder Road to Mazgaon Sewri Road. ..	31.20	5.80
2	Maintenance of F. O. Bs., R. O. Bs., and Sub-ways within the Limit of Municipal Corporation of Greater Bombay. ..	23.30	16.31
3	Repairs to Bad Spots on major roads in the City for 1979-80. ..	21.50	5.05
4	Proposed fly-over along Dr. B. A. Road near Gloria Church, Byculla. ..	80.49	12.15
5	Construction of fly-over at Lalbaug. ..	58.52	10.57
6	Construction of sub-ways at Sion Junction and Sion Circle. ..	62.81	22.09
7	Extension of F. O. B. across M. K. Road and sky-walls near Charni Road Railway Station (Project work). ..	12.28	0.50
8	Construction of sub-ways at Haji Ali. ..	33.14	6.37
9	Construction of flyover at Madke Buwa Chowk (Parel T. W.). ..	95.69	3.64
10	Construction of flyover at Byculla Bridge. ..	141.68	0.83
		<u>540.61</u>	<u>83.31</u>

## APPENDIX No. 9 (Contd.)

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1979
		(Rs. in lacs.)	(Rs. in lacs.)
SUBURBS :			
1	Repairs to major Roads in Western Suburbs.	14.11	2.23
2	Foot-over bridge in 'R' Ward.	5.23	2.37
3	Remodelling four culverts on L. B. S. Marg, Bhandup.	5.70	..
		25.04	4.60
VI—Nallas :			
1	Training of nalla from East of Railway Culvert No. 25 upto Naupada Level Crossing at Bandra (East).	36.73	6.61
2	Construction and training of nalla between P. F. Building and Bapuji Stalls (Rajakwadi Nalla) Kher Nagar, Bandra (East).	1.31	0.59
3	Construction and training of nalla from culvert 'D' across Jijamata Road upto culvert 'E' across W. E. H. at Andheri (East).	9.99	6.06
4	Construction and training of nalla from Telly Gully to Sahar Road portion B. G. Andheri (East).	3.41	0.33
5	Covering of Mogra nalla from Old Neerdas Road upto Kashibai Park Society, Andheri (East).	11.44	3.45
6	Training of nalla from Rasraj Hotel upto Irla nalla at Vile Parle (West).	23.73	2.14
7	Construction and training of Hanjar nalla at Jogeshwari (West)	9.84	4.22
8	Construction and training of Nandadeep Nalla upstream side, Goregaon.	1.75	..
9	Training and construction of the nalla from Sundar Nagar to Excel Estate, Goregaon (West).	12.00	1.62
10	Training and construction of the remaining portion of the Shastri Nagar nalla upto the culvert on 120' Relief Road, Goregaon (W)	1.08	1.00
11	Construction and training of Ram Chandra Lane nalla from Malad Sub-way to Adarsha Colony Road Part-II.	38.75	2.59
12	Construction and training of nalla, from Chakravarti Ashok Nagar Road No. 3 to Railway culvert No. 58 at Kandivli (East).	8.68	2.99
13	Construction and training of Ram Nagar Nalla from N. L. Road to Relief Road, Malad (West).	5.42	3.16
14	Training and construction of nalla from S. V. Road culvert (Opp. Shalimar building) upto Dahisar River, Dahisar (E & W).	11.93	0.78
15	Construction of culverts in K and P Wards.	..	..
		176.06	35.34

## APPENDIX No. 10.

Statement showing the work of improvement of private street undertaken during the year as per provisions of Bombay Municipal Corporation Act.

Serial No.	B. M. C. Act Section No.	Location	Action taken
1	305	Private streets in Tokersey Jivraj Wadi off Tokersey Jivraj Road, 40 feet wide portion A, B, C, & 60 feet wide portion D. E. T.	Injunction has been vacated and the construction work of 60' wide portion will be taken up very soon.

## ANNEXURE-11

## AIR QUALITY MONITORING PROGRAMME

Serial No.	Monitoring Station Code	Locational Address.	Date of Starting	No. of Sampling days in the year.	No. of Samples collected & Analysed.					Total.
					SO-2	NO-X	SPM	Sulpha-tion Rate.	SPM Para-meters.	
1	2	3	4	5	6	7	8	9	10	11
<b>I. HEALTH SURVEY MONITORING PROGRAMME</b>										
1	Railway Colony, Chembur.	B'dg. No. MH/RB/II/1 Railway Colony, Central Railway, Ghatkopar Mahu' Road, Vashi Naka, Bombay-400 074.	11-1-78	71	837	828	71	..	360	2,096
2	H. P. Nagar, Chembur.	Hindustan Petroleum, Cub House, H. P. Residential Colony Chembur, Bombay-400 071.	10-12-77	72	846	836	70	..	360	2,112
3	Khar Colony, Khar.	B'dg. No. 1 Municipal Tenements, S. V. Road, Khar, Bombay-400 052.	4-1-78	69	814	806	69	..	360	2,049
4	Sanacruz (West)	Gazdar 'ar' Municipal School North Avenue Road, Santa-cruz (West), Bombay-400 054.	15-1-78	66	780	774	66	..	360	1,980
5	Railway Colony, Lalbaug.	B'dg. No. RBII/255, Railway Colony, Central Railway, Parel, Bombay-400 012.	3-1-78	71	844	826	69	..	360	2,099
6	Poynad, Alibaug.	Primary Health Centre, Poynad Taluka Alibaug, Dist. K'aba,	6-2-78	21	123	246	21	..	360	750
Total :				370	4,244	4,316	366	..	2,160	11,086
<b>II. ROUTINE SURVEY MONITORING PROGRAMME</b>										
1	Pant Nagar, Ghatkopar.	Centenary year primary school, Pant Nagar Ghatkopar (East), Bombay-400 075.	1-9-78	59	662	652	55	12	360	1,741
2	Babula Tank	Imamwada Municipal Secondary School, Imamwada Road, Bombay-400 009.	14-4-79	38	454	442	36	9	360	1,301
3	Dadar-Matunga	Wollen Mill lane Municipal School, Dadar, Bombay 28.	15-4-79	38	453	452	38	9	360	1,312
4	Chembur Naka	Municipal U. P. School, Chembur Naka, Bombay-71.	2-9-78	64	767	766	58	12	360	1,963
5	Saki Naka	Marol Municipal Urdu U. P. School, Saki Naka, Bombay 72.	17-4-79	42	499	496	41	9	360	1,450
6	Borivli.	Municipal Primary School, Sodawa'a Lane, Borivli, Bombay-400 092.	22-8-78	40	452	430	38	12	360	1,292
Total				281	3,287	3,238	266	63	2,160	9,014
<b>SUMMARY</b>										
I	Health Survey Monitoring Programme.	..	..	370	4,244	4,316	366	..	2,160	11,086
II	Routine Survey Monitoring Programme.	..	..	281	3,287	3,238	266	63	2,160	9,014
Grand Total				651	7,531	7,554	632	63	4,320	20,100



**APPENDIX No. 12**  
**AIR QUALITY MONITORING PROGRAMME**  
**(MICRO-METEOROLOGICAL DATA)**

Serial No.	Meteorological station code.	No. of observations in the year				Remarks.
		Wind Data	Rainfall data		Ambient Temperature Data.	
			SR Rain-gauge	FRP Rain-gauge		
1	Pant Nagar, Ghatkopar	2,700	..	300	1,460	(1) Wind Data includes wind direction and wind speed.
2	Babula Tank	1,100	..	..	..	(2) SR Rain Gauge—Automatic Operation.
3	Dadar-Matunga	1,150	..	..	..	(3) FRP Rain Gauge—Manual Operations.
4	Chembur Naka	2,900	150*	300*	1,460*	(4) This data is collected at a separate weather station located nearer to Chembur-Naka.
5	Saki Naka	1,050	..	..	..	(5) Ambient-Temperatures recorded are Maxi Min-DB & OB
6	Borivli.	1,600	150	300	1,460	(6) Chembur Naka Station has both type of wind instruments, eye reading as well as automatic.
7	Santacruz (West).	..	150	300	1,460	(7) Four new wind instrument sets were installed during the year.
<b>Grand Total</b>		<b>10,500</b>	<b>450</b>	<b>1,200</b>	<b>5,840</b>	

**ANNEXURE—13**

**CIVIL DEFENCE CELL—VIGILANCE WORK**

**YEAR—1979-80**

1	Inspection of works	..	110 Nos.
2	Total cost of works inspected—Rs. 92 lakhs.		
3	Technical audit of proposals.		
	(a) Internal proposals	..	189 Nos.
	(b) Inter-departmental proposals.	..	21 "
	(c) Staff proposals	..	20 "
	(d) Internal & inter Departmental Enquiries.	..	6 "
	<b>Total</b>	..	<b>236 "</b>
4.	Liasion work.		
	(a) Union Matters.	..	7 "
	(b) Registration of contractors.	..	3 "
	(c) Tender Committees meetings Internal	..	17 "
	Inter departmental	..	13 "
	<b>Total</b>	..	<b>40 "</b>
5.	Project Monitoring & MBO Programme.		
	(a) Scrutiny of reports.	..	108 "
	(b) Contractors appraisal reports.	..	12 "
	(c) Miscellaneous proposals & their follow up.	..	43 "
	<b>Total</b>	..	<b>163 "</b>

# ESTATES AND LAND MANAGEMENT DEPARTMENT

Administration Report for the year 1979-80.

(1) Money spent	...	...	...	...	Rs.	4,20,65,372
(2) Money earned—						
(i) Rent from tenants and lessees	...	...	...	...	Rs.	2,36,86,479
(ii) Other	...	...	...	...	Rs.	7,52,372

### 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.

No plots in Municipal Scheme have been disposed off in the year 1979-80 (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.
1976-77	...	4	Rs. 2,98,906.00
1977-78	...	1	1,25,420.00
1978-79	...	3	2,52,120.00

### Slum Clearance.

20 New tenements at Khotwadi Santacruz (West) 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) The following new tenements were completed during the year under report :—

- (1) 99 Tenements and 6 shops at Morbaug, Dadar.
- (2) 40 Tenements at M. P. Mill Compound, Tardeo.
- (3) 100 Tenements at Hutatma Prabhakar Keluskar Marg, Kurla.
- (4) 12 shops tenements at Powell's land, Kandivli.

(2) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 45667 during the year.

### DISPOSAL OF LANDS.

#### (A) Long Leases.

No plot was let out during the years 1979-80. The total No. of plots disposed of upto the end of 1979-80 were 4393 with an area of 54,15,238.83 square metres and valued at Rs. 15,11,07,399.37 yielding an annual ground rent of Rs. 64,09,861.00. The ground rent is charged at 7 and 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. 2493 of 23-8-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

Particulars	No. of plots	Area in Sq. Mts.	Capital Value	Annual Rent
		Rs.	Rs.	Rs.
Plots leased on Rental basis	...			
Corresponding figures :—				
1978-79	...	4	7418.75	4,23,120
1977-78	...	3	3672.29	25,060
1976-77	...	3	2405.92	4,66,836
			4,66,836	34,706

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 3,76,836

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 53.88 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent to cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears which constitute a part break up of Rs. 68,52,343.00 pertaining to 'B' Budget and of Rs. 95,634.00 pertaining to 'A' Budget shown in Statement 'D' can be classified as under :—

Ground Rent		
(1) With-held by lessees to the extent of their security deposit	...	Rs. 1,46,749
(2) Of plots occupied by Government of Maharashtra and Defence Department		14,349
(3) Of properties vested in the Deputy Custodian of Evacuee Property	...	11
(4) Of Plots against which disputes have been raised and cases are under consideration	... ..	14,04,326
(5) Due from Western and Central Railways	... ..	81,840
(6) Due from Municipal Department	... ..	1,57,814

#### (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 2754 and 1684 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. 9,05,172 and Rs. 7,54,312 and the recovery was Rs. 5,68,630 and Rs. 6,38,189 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. 52,59,914 as 31st March 1980 as against Rs. 48,61,167.

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. 40,94,054 deducting therefrom the charges on account of outgoing amounting to Rs. 71,48,806 net loss comes to Rs. 30,54,732.

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 chawls shows a loss of about Rs. 26,24,047.

(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. 20,11,934. The net demand after excluding the concessional rent and vacancies was Rs. 19,60,021. The revenue actually collected comes to Rs. 20,61,658 which was equivalent to 105.18 per cent. of the total recoverable rent including arrears of Rs. 33,54,464 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. 51,52,231 for chawls and Rs. 21,15,617 for semi-permanent sheds, total outgoing being 146.24 per cent. and 199.19 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 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. 35,38,684 against the demand of Rs. 73,19,732 inclusive of arrears.

**Acquired properties :** At the commencement of the year there were 433 acquired or surrendered buildings in charge of this department comprising 6074 tenancies. At the close of the year, corresponding figures were 433 Buildings and 6074 Tenement.

The gross demand of 6074 tenements in the acquired and re-entered buildings was Rs. 15,98,043. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 15,97,255.

The revenue collected amounted to Rs. 16,67,007 which was equal to 49.90 per cent. of the total recoverable amount including arrears of Rs. 33,40,635 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. 1,78,151 and the recovery was Rs. 89,043 which was equal to 49.98 per cent of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 37,580 and Rs. 30,373 respectively. The arrears due for collection at the close of the year stood at Rs. 3,86,469.

#### 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'.

N. N. LALIT,  
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 19-7980	
	Sq. Meters in thousands.	Sq. Meters in thousands.	Sq. Meters in thousands.	Sq. Meters in thousands.
Area permanently leased	6441.60	6441.60	6441.60	6441.60
Area of trust chawls sites	158.86	158.86	158.86	158.86
Area sold	7.53	7.53	7.53	7.53
Area reserved for a Municipal Market	0.97	0.97	0.97	0.97
Total	6608.96	6608.96	6608.96	6608.96
Rent of permanently leased area in rupees (in thousands)	13,711.45	13,711.45	13,711.45	13,711.45

#### "B" Statement of permissions granted in respect of leased plots for 1979-80.

Description	No. of proposals	Premium	Ground rent
		Rs.	Rs.
Motor Garages	3	200.00	1,233.00
Additional floors	28	..	1,48,656.00
Change of users and Misc. proposals such as encroachments, Basement floors, Canopies, temporary structures, Gallery Projections, Rawas Projections, Olla Projections, Lofts and Mezzanine floors etc.	61	22,123.50	22,078.50
Fines	...	...	...
Transfer fees	...	...	8,000.00

## Statement 'C' showing the disposal of Municipal and Ex-Trust Plots, during the year 1979-80.

Land/Estate	Plot No. & C.S. No.	Area in Sq. Mts.	Capital value	Annual Ground Rent
			Rs.	Rs.
<b>Municipal</b>				
<i>Report is Nil.</i>				
<b>Ex-Trust</b>				
<i>Report is Nil.</i>				

## "D" Summary of Revenue of Properties for the year 1979-1980.

(000 omitted)

Particulars.	Properties under 'B' Budget			Property of 'B' Budget under			Properties under 'A' Budget		
	Per- ment	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.	58,99	99,76	158,75	27,25	12,95	40,20	4,56	55,34	59,90
Arrears.	66,75	89,77	158,52	17,08	14,50	31,58	30	36,43	36,73
Totals	127,74	189,53	317,27	44,33	27,45	71,78	4,86	91,77	96,63
Amount collected.	55,54	85,54	141,08	23,42	11,96	35,38	4,11	55,08	59,19
Variation in Demand for the previous year	72,20	103,99	176,19	20,91	15,49	36,40	75	36,69	37,44
Carried out during the year	-345	+4,05	+60	+1,40	..	+140	+20	+10,57	10,77
Amount written off	...	...	...	...	...	...	...	...	...
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	98,76	89,77	188,53	17,08	14,50	31,58	30	36,43	36,73
Arrears as on 1-4-78	65,17	79,69	1,44,86	15,47	10,16	25,63	97	33,65	34,62

## "F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds.

Particulars	Permanent Chawls		Permanent ground floors rooms and S. P. Sheds		
	1978-79	1979-80	1978-79	1979-80	
Sanitary Staff and Pumpmen	...	22.86	22.42	45.19	40.78
Cost of Management and Establishment	...	7.50	7.50	7.50	7.50
Municipal Rates and Taxes	...	38.77	33.89	69.49	71.23
Repairs and Maintenance including lighting, vacancies	...	96.11	82.43	83.40	79.68
Total	...	165.24	146.24	205.83	199.19

## "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.
<b>Municipal Scheme :-</b>					3			
1	Palton Road Chawl No. 4	...	1956	1	8	20	34.30	50.43
2	Haines Road Transit Camp.	...	1957	19	137+9	...	26.98	105.85
3	Tank Pakhadi Transit Camp	...	1958	27	254	...	26.98	32.05
4	Dharavi	...	1959	5	120	...	31.95	40.08
5	Shopping Block at Haines Road	...	1960	1	...	4	...	22.69 63.20
6	Do. Do. Milk Street	...	1962	1	...	17	16.48	73.64 92.05
7	Shopping Block at Tulsiwadi Body-Guard line	...	1963	1	...	15	32.27	31.92
8	Shopping Blocks at Water St.	...	1963	1	112	10	...	Varying from 35.15 to 43.94
<b>Government Aided Schemes</b>								
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 uard Lines	...	1960	6	96	...	31.49	52.23 51.32
6	Dharavi	...	1961	5	168	...	31.50	
7	Foras Road	...	1961	1	42	13	31.49	
8	Rawli Camp	...	1961	18	288	...	31.50	80.55
9	Bane Compound Arthur Road	...	1961	6	208	...	31.49	57.03
10	Water Street, Byculla	...	1961	7	112	...	34.26	
		...	1962	2	32	...	32.05	
11	Haines Road	...	1961	2	80	...	32.05	
12	Sion Scheme 6	...	1962	2	80	...	31.50	
13	Body Guard Lines	...	1962	8	128	...	32.48	
14	Papty Road	...	1963	1	40	...	34.24	75.40
15	Haines Road	...	1963	6	96	...	34.26	70.85
16	Rawli Camp	...	1964	14	224	...	33.64	
		...				11	73.16	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
		...						89.91
20	Kamathipura Ml Area stable street	...	1965	1	41	11	34.26	96.28
21	60 t. Falkland Road	...	1966	1	60	...	...	
	8th X Lane	...	1966	3	60	...	41.61	25.98 194.81
22	60 t. Hains Road	...	1967	6	240	...	42.38	69.45 73.49
23	Rawli Camp	...	1969	5	132	8	42.68	61.00
24	Rawli Camp	...	1969	1	32	10	42.68	61.00 147.00
25	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar	...						shops 153.00 shops 63.00 rooms 145.00
26	Kamathipura M.I. area stable street	...	1970	1	45	12	56.44	149.00 75.00
27	30 Tenements Peru chawl	...	1970	1	30	...	39.39	77.82
	Lalbaug Gas Work Lane	...	1971	3	60	...	40.77	81.70
28	60 t. Rawli Camp	...	1972	2	44	...	...	100.06
29	Rawli camp BKE 3 & A. 7	...	1973	...	230	...	...	105.00 252.00
30	230 T and 20 shops Rowli Camp.	...	1961	16	396	...	31.51	52.00 57.00
31	Vikroli	...	1963	12	348	...	31.51	57.00 55.50
32	Do.	...	1964	17	217	...	34.55	55.50 64.12
33	Kherwadi Bandra	...						
34	Tenements along Eastern Express Highway Ghatkopar	...	1965	108	1004	...	...	...
35	60 t. at Bombay Agra Road Ghatkopar	...	1966	3	60	...	...	...
36	320 t. at Santacruz	...	1966	20	320	...	34.55	64.12
37	200 t. at Match Factory Kurla...	...	1973	10	200	...	...	...
38	40 t. at Sion Village	...	1974	...	40	...	55.00	117.00
39	Rawli Camp	...	1972	...	108	12	39.92	170.73
40	20 Tenements at Peru Chawl	...	1976	...	20	...	...	...

## "G" Statement Showing Particulars of Municipal (Improvements) Chawls Cost, Net Annual Returns

Serial No.	Name of the Chawl.	Year in which the site of chawls appropriated of construction of chawls	Total area of chawls sq. Metres	Rate per sq. yd. as in the year given in column 3.	Value of the site (Cols. 4&5)	Constructional cost of the Chawls including 1/2 per cent or management and establishment	Cost of work value of the land management and establishment charges columns 6 and 7	Interest and Sinking Fund charges on capital outlay 461 per cent on column 8 up to 1919 and thereafter at 635 per cent.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Sq. Metre	Rs.	Rs.	Rs.	Rs.	Rs.
1	1-4 Agripada A Chawls	1900	6091.21	8	50,995	1,85,505	2,36,500	10,903
2	5-16 Agripada B Chawls	1903	9970.85	6	71,550	5,41,639	6,13,189	28,269
3	31-32 } 38-40 } Agripada C Chawl	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
4	45-46 } 19-24 Chandanwadi Chawls	1904	8080.36	15	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	31,349
	29,30&31 } 50 Imamwada B Chawl	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Chawls	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
8	52 Workmens Cottages Matunga	1905	789.31	5	4,720	12,083	16,803	774
9	17-18 Nagpada C Chawls	1903	2148.02	7	17,983	82,358	1,00,341	4,676
10	39 Nagpada A Chawl	1904	1755.04	7	14,693	99,776	1,14,469	5,277
11	28 Princess Street Chawls	1907	1237.47	30	44,400	42,417	86,812	4,002
12	42-44 } 47-49 } Suparibaug Chawls	1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
13	52-57 Chinch Bunder Chawls	1913	7103.76	26,66(d)	2,26,560 (a)	6,79,622	6,06,182	27,945
14	86-95 Cottage Blocks (Old)	1920	2324.44	10	27,800	36,069	63,869	4,056
15	58-61 Clerk Road Chawls	1921	3495.86	15	62,715	4,39,814	5,02,529	51,911
16	62 Pais 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 Billa's Road Chawls	1922	29853.19	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	81,373	2,32,503	3,13,878	19,931
27	3 Paltan Road Chawls	1952	9551.86	50	92,777	3,48,544	4,41,321	28,024
28	A-J Sewri Chawls	1956	5554.41	25	1,66,075	5,06,514	6,72,589	28,120
29	Naigaon Chawls	1957	3362.08	40	1,60,840	5,59,481	7,20,321	29,110
30	Sion Chawl	1958	927.27	40	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	Jasmine Mills Rajeshri Shahu Nagar	1967						
39	10 Steps 40 R. Sion Koliwada							
40	Deonar New colony	1967						
41	36 T. Worli	1969						
42	144 Tenements at Deonar	1975						
43	252 Tenements at Deonar	1975						
44	105 Tenements and 13 shops on Plot No. 107, Worli.	1976						
45	40 Tenements at Chowney Gully	1976						
46	28 Tenements at Abdul Gaffar Khan Road.	1970						
47	130 Tenements at Worli for Municipal Staff & Councillors.	1971						
48	240 Tenements at Haji Ali	1975						
	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 5,664 sq. yds. figure is arrived at by dividing by 8.496 yds.

Calculated at 4.24 per cent.

A—Includes rooms ren. free nil Sweepers

B—Rooms used for Office and Stores.

C—do temporarily occupied by Schools.

E—do. do. do. Shops.

F—do. do. do. Gymnasium.

G—do. do. do. Codevans.

Number of tenements, full letting value.

Gross annual rent	Annual profit + or loss—i.e. 45.24 per cent. of column 10-9.	Percentage of rate annual return* 45.24 of col. (10) of capital cost (col. 8)	Total Number of rooms.	Number of floors including ground floor.	Floor area of tenements including Verandah.	Rent per room as on 31-3-1962 inclusive of increase in taxes.	Economic rent Exclusive of increase in taxes.	Number of tenements living purposes.	Number of rooms (set or Shero, Gakhwa, or Municipal purposes)
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.				Sq. ft.	Rs. P.			
47,764	-32,839	9.34	312	3	175	7 49	8 14 0	276	1-R, 5-D
66,734	-59,126	5.03	658	4	110	10 40	7 10 0	926	& 50-E
1,20,722	-7,420	17.63	258	4	142	6 45	8 1 0	414	20-E
1,07,453	-73,745	9.52	433	4	177	7 75	8 12 0	633	18-E,
			674	4	125	7 49	10 6 0	846	1-F
			857	4	135	9 36	9-13, 10-1	30	2-D, 9-E
1,26,723	-91,428	8.23	30	4	160	8 95	10 5	222	2 B, 4 C & 5-D
1,13,386	-79,570	8.84	278	4	176	11 93	Rs. 9.13	144	-
2,083	-1,137	5.73	15	1	120	8 31	10-1, 10-5	144	308 E, 26-C
20,204	-14,018	9.31	144	4	148	9 96	17 5 0	64	-
21,813	-15,363	8.81	144	4	160	8 31	12 7 0	479	-
10,443	-8,831	5.60	64	4	136	9 96	9 10 0	372	-
65,736	-47,747	8.08	481	4	176	10 83	9 4 0	320	1 B,
1,00,350	-74,346	7.65	405	2	176	12 98	13 6 0	131	1-F
5,382	-6,544	3.90	14	1	275	9 36	38 0 0	241	31-C
55,440	-77,545	5.10	325	4	176	8 64	13 12 0	320	4-E
23,898	-25,156	4.97	134	4	175	11 24	15 13 0	241	1-F
48,346	-57,156	4.08	246	4	175	10 34	13 8 0	241	3-E
			(b) 160	4	175	8 64	13 8 0	241	6-D
28,864	-32,292	4.47	36	4	562	10 35	Rs. 55.60 & 65	—	—
9,717	-24,646	1.42	72	3	338	7 76	Rs. 35,33,32	—	—
4,698	-9,548	1.87	10	3	325	9 30	35	—	—
2,74,566	-3,93,553	3.90	1,549	3	176	10 69	Rs. 16-5	1,513	20-C7-D
2,09,478	-2,55,673	4.01	1,385	3	176	12 83	18-6,17-14	1,263	& 9-E
82,110	-62,896	9.61	234	3	176	9 36	Rs. 15-6,	227	36-C, 4-D
1,53,598	-1,53,889	5.13	—	—	176	12 30	15-14	792	5 2-E
			—	—	176	11 24	13 8 0	—	7-E
			—	—	176	9 46	Rs. 15-9,	—	6-D, 22-E,
			—	—	176	10 69	16-1, 16-9,	—	& 1-F
1,02,375	-1,09,745	4.82	821	4	176	12 38	17-1-, 17-9	387	1-B,
			391	4	176	26 74	Rs. 15-7,	125	1-C, 1-D
86,943	-88,157	5.32	156	4	328	26 74	32, 33, 35	76	& 1-
69,798	-60,395	4.80	156	4	180	10 38	R. 15-7	194	24 E
44,576	-49,721	2.86	86	4	180	11 09	R16, 16-B	120	7-C
10,343	-12,779	2.58	194	2	180	26 03	Rs. 35	24	4-E, 6 C
72,091	-65,809	4.35	24	4	237	27 06	Rs. 35	120	—
1,60,831	-2,13,092	3.65	112	4	273	22 91	Rs. 36-10	24	—
88,620	-1,15,674	3.16	272	4	—	24 20	Rs. 4	—	—
89,663	-1,00,205	2.99	144	4	—	21 86	—	—	—
1,13,145	-1,35,263	2.67	224	4	—	29 43	—	—	—
			60	4	—	50 33	—	—	—
			150	4	—	31 50	—	—	—
			1040	4	—	47 00	—	—	—
			50	—	—	64 00	—	40	10E
			582	—	—	66 50	—	578	3B, 1C
			36	—	—	67 50	—	—	—
			60	—	—	07 00	—	—	—
25,37,893	-26,24,047	18,949	13,484	—	—	—	—	—	—

\* 5-B, 61-C 35-D, 180-E, 4-F 72-C.

REMARKS

- 1 Bldg. on ownership "D" type
- A Type 3 bldgs. Ownership
- B Type 2 bldgs. 1 Ownership
- C Type 3 bldgs. for staff
- 2 Bldgs. Ownership
- 2 Bldgs. Nair Hospital
- 1 Hostel
- 1 for Staff



## "H" Statement of Tenements constructed from Budget 'A' for Municipal General Staff :-

Serial No.	Locality	Year of construction	No. of structures	No. of tenements	Subsidised Rent		Standard Rent
					Maximum	Minimum	
					Rs.	Rs.	Rs.
					(Subsidised rent at Rs. 12 per 100 Sq. ft.)		
1	Gilder Lane Tenements,	1958	4	144 (64)*	67.52 39.85		103.30 71.93
2	Elphinstone Road	1958	3	72	28.33	20.69	45.87
3	Surya Cinema Tenements Naigaum	1958	2	48	28.33	20.69	45.15
3	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.	1977	1978	1979	1980
(1) Number of Tenancies	4143	4144	4148	4156
(2) Balance of arrears in lacs of rupees....	30.45	39.36	66.14	69.70
(3) Demand for the year in lacs of rupees....	69.33	78.51	80.87	63.56
(4) Total demand including arrears in lacs of rupees.	99.78	117.37	147.01	129.36
(5) Amount collected in lacs of rupees.	62.74	52.18	47.95	59.65
(6) Percentage of collection to the demand including arrears.	62.88	44.10	32.62	46.11
(7) Percentage of collection to the demand for the year.	90.49	66.45	59.29	93.85
(8) Percentage of arrears to amount for collection.	28.70	33.35	44.99	53.88

## BOMBAY FIRE BRIGADE

### Salient Features :

Expenditure : Rs. 91,52,386/-

Income : Rs. 2,00,00,000/-

Fire Stations : 19

### Emergency Calls :

Fire : 3090	House Collapse : 513	Rescue : 592
Others : 923.	False : 216.	

### Ambulance Calls:

Accidents 979	Maternity 241
Hire : 1865	Free Poor Cases : 6.

Premises inspected for rendering advice on Fire precautionary measure--9715.

### New equipment purchased :

Mini Bus : 1 No.	Water Tanker : 1 No.
JeePs : 4 Nos.	Compressed Air Breathing : Sets 30 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. 2,00,00,000 and the amount of expenditure comes to Rs. 91,52,386.

#### (2) Premises :

##### (a) Fire Stations :

The total number of Fire Station in Greater Bombay remain 19 only. During the year under report Shivaji Park Fire Station which was kept out of commission for major structural repairs has been reopened on 7th of June 1979.

##### (b) Control Room :

The construction of Marol fire station which has started in 1979 is rapidly progressing. It was decided to reorganise the entire Control Room and communication set up and hence Messrs. Tata Consulting Engr. were appointed to prepare project report. The Corporation has recently accorded the administrative approval for the implementation of the report. The next phase of preparing specification and tenders, and obtaining Central Government's approval etc. is being pursued.

#### (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 lines) two for ambulance 102 and 3 for 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 10 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 : 30,90	House Collapse : 513	Rescue : 592
Others : 923	False : 216	

##### (a) Fires :

There were serious fires during the year (vide Appendix II).

##### Burning Casualties :

There were 502 casualties due to fire out of which 67 lost their lives 435 persons received burns and subsequently recovered. Out of the total casualties 36 cases were of suicide. Most of these fires were domestic.

**Fire Loss :**

The total loss due to fire was approximately Rs. 5,00,00,296. Out of this, damage to insured property was Rs. 4,27,10,376. The total property involved was worth Rs. 14,28,28,309.

**(b) House Collapse :**

27 persons lost their lives and 187 were injured in House Collapse. Some serious House Collapse are mentioned in Appendix III.

**(c) Other Services :**

There were 923 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.

146 persons lost their lives in such accidents and 219 persons received injuries.

**(d) Rescue Service :**

The Brigade attended 592 calls of various types of rescue work such as persons fallen in wells, drowned in sea, trapped in lift, sewers, etc., In all 143 persons died in Rescue Service and 286 persons were injured. Majority of deaths (97) were by drowning. The Brigade also rescued 222 animals and birds.

**(6) Water Supply and Sources :**

The approximate quantity of water used for extinguishing fires was about 93 lakhs 53 thousand 239 litres out of which 90,90,897 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 fire calls, maternity calls, in addition to fire, house collapse calls etc. The details are as follows :—

Accident : 979

Maternity : 241

Fire : 1,865

Free poor cases : 6

(2 Nos. for Brigade Staff)

In all 717 persons were removed in Ambulances First aid rendered on 9 occasions. The total receipts during the year on account of hire cases amounts to Rs. 31,832 including arrears as against Rs. 9,562 in the previous year.

**(8) Fire Prevention Cases :**

Year	Total cases received	Disposal of
1978-79	... 11,519	10,929
1979-80	... 10,815	9,715

The cases received in the year 1979-80 :—

Type of cases	No. of cases.
Licence, Factory and Health Deptt., of Municipal Corporation.	... 7742
Public Entertainment and Buildings	... 1,395
Commissioner of Police, Inspector of Explosives and Controller of Drugs.	... 295
Complaints	... 762
Multi-storeyed buildings.	... 301

**(9) Deputation of Fire officer :**

During the year under report Shri B. B. Surve and T. G. Nankani, Station officers were deputed to National Fire Service College, Nagpur for undergoing training of Divisional officers Course.

**(10) Other Activities :****(a) Annual Drill Competition :**

The Annual Drill competitions were conducted as usual. During the year, competitions were held (i) Fire Trailer Pump Drill and (ii) Extension Ladder & 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 Station Officer, Shri Sharad Dalvi secured first place in Fire Trailer Pump Drill Competition and Dharavi Team led by S. O. Kiran Kadam secured first place in Extension Ladder & Motor Pump Drill Competition.

The Chief Fire Officer's Rotating Trophy for Best performance in Drill Competitions was awarded to Shri Mahadik, Fireman from Dharavi 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 Pravin Kamdar and prizes were distributed by Smt. Kamdar.

(b) *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 1979 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 too laid down their lives while fighting the fire in the disastrous Dock Explosion of 1944. Shri B. K. Chougule, Municipal Commissioner presided over the occasion.

(d) *Republic Day*:

A 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 Organisations.

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 occasion of Republic Day, 26th January, 1980 Saravshri Shri V. V. Vaidya and Shri N. A. Khatib, Divisional Officers, Shri V. B. Bhosle, Sub-Officer and Shri D.D. Shinde, Driver Operator, were presented the Fire Service Medals for meritorious service by this excellency.

(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 1979. | Shri V. B. Warkhed, Assistant Divisional Officer. |
| (ii) A cash prize of Rs. 151 to the second Best Fire Brigadier of the year 1979.                   | Shri S. L. Palve, Sub-Officer.                    |
| (iii) Cash Prize of Rs. 101 to the third Best Fire Brigadier of the year 1979.                     | Shri G. N. Kakde, Driver Operator.                |

(c) Silver Medals with cash prize of Rs. 250 to Fireman Anil Shivram Sarang.

(d) Best Fireman Award of Rs. 100 to the Driver Operator, Yeshwant Narayan Palande.

(e) Commendatory Certificate to

- (i) Station Officer A. D. Jhandwal.
- (ii) Fireman Ashok Ramchandra Kadam.
- (iii) Fireman Harishchandra Daji Bhogale.

(f) Good conduct and long service medals to

- (i) Driver Operator Dhondu Narayan Lad.
- (ii) Driver Operator Narayan Chintoo.
- (iii) Fireman Ashok Ramchandra Kadam.

(g) Award of Scholarship to children of Brigade Employee as in the previous year, scholarship ranging from Rs. 10 to Rs. 75 were awarded to 51 school going children of the Brigade employee who pass 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.

L. S. D. MEHERVANJEE,  
Chief Fire Officer,  
Bombay Fire Brigade.

## APPENDIX 'I'

Sr. No.	Fire Appliances and Equipment	Nos.
(1)	Motor Turn Table Ladder :	
	(a) of 100 ft. Extension with Pump .. .. .	1
	(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 .. .. .	27
(4)	Fire Tender with Extension ladder .. .. .	2
(5)	Motor Emergency Tender with Special Gears .. .. .	1
(6)	Motor Emergency Tender-cum-Fire Tender .. .. .	2
(7)	Trailer Pumps :	
	(a) Medium type .. .. .	18
	(b) Light type .. .. .	2
(8)	Water Tankers .. .. .	8
(9)	Hose Laying Lorry-cum-Carteen Van .. .. .	1
(10)	Control Post Van .. .. .	1
(11)	Motor Ambulances .. .. .	13
(12)	Other vehicles—	
	(a) Delivery Van .. .. .	1
	(b) Jeeps .. .. .	18
	(c) Cars/Station Wagons .. .. .	3
(13)	Scoters .. .. .	3
(14)	Ladders of various sizes .. .. .	91
(15)	Breathing Sets—	
	(a) Oxygen .. .. .	36
	(b) Compressed Air .. .. .	86
	(c) Breathing Air Compressor .. .. .	1
(16)	Hose Delivery R.R.L. 2 3/4" size 21830 ft: .. .. .	84,180 ft.
(17)	Hose Delivery R.R.L. 1 1/2" size 20500 ft. .. .. .	29,200 ft.
(18)	Gas Masks of various types .. .. .	42
(19)	Three Wheeler Tempo .. .. .	1
(20)	Power Cutter/Rescue Saw .. .. .	5
(21)	Power Chain Saw .. .. .	3
(22)	Pneumatic lifting bags .. .. .	4
(23)	High Pressure Pumps .. .. .	4
(24)	High Expansion foam unit Foam Generators .. .. .	4
(25)	Davy's Fire Escape .. .. .	5

Out of the above appliances and equipment the following were purchased during the year 1979-80 :—

(1) Mini-Bus	1 No.
(2) Water Tanker	1 "
(3) Jeeps (Mahindra & Mahindra)	4 Nos.
(4) Compressed Air Breathing	30 "

## APPENDIX-II

Brief details of serious Fires during the year 1979-80.

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Damage
1	2	3	4	5	6
					Rs.
21-4-1979 0802 hrs.	Kurla-Andheri Rd., Safed Pool, Near Sakinaka.	..	3 small and 2 big lines and 7 Motor Pumps.	Few windows panes, frames, doors, some portion of plaster severely damaged and paint work of wall and ceiling severely scorched due to fire, heat, smoke and water.	4,82,000
2-5-1979 0905 hrs.	Powder Bunder Road, Darukhana, Mazgaon, Bombay-10.	..	Firemen with 4 water lines of 7 fire engines.	Metal scrap over all area of about 50' x 50' with old coil ropes, compressed gas cylinders, cotton mattresses, rags, etc. severely damaged by fire heat, smoke and water.	2,45,000
12-5-1979 2356 hrs.	Messrs. Western India, Spg. and Mfg. Mills, D. L. Marg, Kalachowky, Bombay.	Cloth	Firemen with one line from one Motor pump and with 2 lines from Mills hydrant.	50 bales of viscose staple fibres, and 135 of gray cloth bales severely damaged by fire, heat, smoke and water.	3,65,500
14-5-1979 0711 hrs.	Gulab Shah Esvate Hutment Occupant Society, L.B.S. Marg, Kurla (W).	Dealers of gunny bags etc.	5 engine lines of 7 motor pumps.	A large stock of gunny bags, brooms, tarpauline, timber, cotton waste severely damaged by fire, heat, smoke and water.	6,83,000
9-6-1979 1950 hrs.	The Bombay Woollen Mill Ltd. Mogal Lane, Mahim, Bombay-16.	Woollen Mill.	Firemen with 8 Motor Pumps.	Stock of acrylic yarn, old knitting machine, other textile machines, electric motors, electric installation severely damaged by fire, heat, smoke and water.	2,30,000
15-6-1979 0227 hrs.	21, Dalal St., Bombay-23.	Printing Press.	Firemen with 10 lines of 12 appliances.	Machinery in the printing press, electric motors, papers, card-boards, combustible and flammable liquids, heating machines, electric installation, office record, furniture etc. severely damaged by fire, heat, smoke and water.	1,20,000
20-6-1979 0455 hrs.	Morarjee Gokuldas Spg. and Wvg. Mill, Dr. B.A. Road, Bombay-12.	Textile Mill.	Firemen with 7 lines of 9 Motor pumps.	Large quantity of waste cotton in loose gunny bags and in stacking large quantity of cotton bales, few bales of viscose cotton, office furniture, office records, electric installation, large portion of timber frames severely damaged by fire, heat, smoke and water.	19,75,000
24-6-1979 0140 hrs.	Plot No. 1-14, Rd. No. 5, M.I.D.C. Aadhari, East, Bombay.	Mfg. Pharmaceuticals	Firemen with 2 motor pumps.	Reaction kettle, separator, centrifuge machine, stirrer and other allied machinery for manufacturing pharmaceuticals, stock of raw pharmaceuticals, chemicals in process and in store, finished goods and other articles in factory premises etc. severely damaged by fire, heat, smoke and water.	7,40,000
19-7-1979 2135 hrs.	Adhyaru Ind. Premises Co-operative Society, Sun Mill Compd., S.J. Marg.	Private	Firemen with 3 engine lines of 4 motor pumps.	Large stock of readymade garment, wooden furniture, 15 weaving machines, 5 electric machines, wooden cabin, electric irons electric installation, wall and ceiling fans, wooden loft, paint work, window panes, doors etc. severely damaged by fire, heat, smoke and water.	1,89,500
29-7-1979 0145 hrs.	Janata Ind. Estate Compd. Senapati Bapat Marg, Block 12, 13, 14, 15, 16.	Private	Firemen with 6 engine lines of 7 motor pumps.	Office record, wooden cabin, office steel furniture, wooden furniture, spare parts of fans, electric motors, electric installation, ceiling fans etc. severely damaged by fire, heat, smoke and water.	19,40,000
31-7-1979 0911 hrs.	Victoria Dock Shed, 12-14.	..	Firemen with 9 engine lines of 8 pumps.	Large stock of bleaching powder in drums, cattle feeds in gunny bags, automobile spare parts, barley, pharmaceuticals other general cargo were severely damaged by fire, heat, smoke and water.	3,50,000
6-8-1979 1457 hrs.	Messrs. Chetan Pvt. Ltd. S.V. Road, Kashimira Dist. Thana.	Mfg. glass stoves.	Employees with 18 soda acid extinguishers 7 foam type extinguishers and 4 dry powder Firemen with 3 engine lines with 2 motor pumps.	Large quantity of red oxide, ketone resin, large quantity of packing material papers, card-board boxes, wooden rack, wooden furniture, spare parts of machinery electric installation, etc. severely damaged by fire, heat, smoke and water.	2,00,000
24-8-1979 0118 hrs.	Anglo American Marine Co. Darukhana, Bombay-10.	Mechanical Workshop.	Firemen with 5 jets of 5 pumps.	3 heat treatment furnaces, 4 exhaust fans, stock of quenching oil, 3 electric transformer, stock of raw material stock of salt, etc. severely damaged by fire, heat, smoke and water.	4,50,000
5-9-1979 0557 hrs.	D. & A. Co. 82/84, Reay Rd., Opp. 3rd Avenue Cotton Depot.	Transportation of goods.	Firemen with 2 first aid and 2 engine lines of 4 motor pumps.	Wooden cases containing electrical equipments, household articles, garments steel furniture, cupboard etc. severely damaged by fire, heat, smoke and water.	1,57,000
21-10-79 0349 hrs.	414A, Luis peter Bldg., Veer Saverkar Marg, Bombay-25.	..	Firemen with 3 motor pumps.	Some portion of roof, wooden loft, electric wiring wooden furniture, cloth, household articles etc., severely damaged by fire, heat, smoke and water.	1,31,500
1-11-79 1037 hrs.	Bharat Ind. Estate, Ram Mandir Rd., Goregaon (East), Bombay	Grease mfg. Co.	Firemen with 4 engine lines of 8 motor pumps.	About 100 drums containing oil, wax, some waste oil, large stock of fabrics, saree printing machines, electric installations doors, windows etc., severely damaged by fire, heat, smoke and water.	2,28,000
25-12-79 1456 hrs.	116-C, Govt., Ind. Estate, Opp. M. G. Rd., Kandivli (W), Bombay.	..	Firemen with 4 engine lines, (3 big and one small) from 3 motor pumps.	Large stock of laboratory chemicals oxalic acid Barium chloride, sodium nitrate, chemicals in barrels, drums, carboys, wooden cases, compressed gas cylinder containing nitrogen and CO <sub>2</sub> , electric wiring, roofs, walls, doors etc., severely damaged by fire, heat, smoke and water and explosion.	2,67,000

## APPENDIX-II—(Concl.)

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Damage
1	2	3	4	5	6
26-12-79 2008 hrs.	Hotel Holiday Inn., Juhu Rd., Juhu, Bombay.	Lodging & Boarding.	Firemen with 2 motor pumps.	Stock of cotton linen, foam cushion some quantity of room provisions in lodging, sanitary papers, furniture, severely damaged by fire, heat, smoke and water.	Rs. 1,39,000
7-11-79 1103 hrs.	Traction Sub station of Central Rly., Near Wadi Bunder Bridge.	Railway	Firemen with 2 engine lines.	Traction cable 2200 V. cable severely damaged by fire, heat, smoke and water.	12,10,000
9-11-79 2003 hrs.	Victoria Dock Shed-2.	..	Firemen with 8 lines of six motor pumps. B. P. T. & Civil Defence with one each.	Raw cotton bales, stain steel utensils cases, books cases, small pipes etc., severely damaged by fire, heat, smoke and water.	4,01,000
10-11-79 0300 hrs.	S. Balwantsingh Dodi Marg, Bhavani Tala and Co. compd. Mangaon.	Ware House, Mechanical shop etc.	Firemen with 5 lines of 5 motor pumps.	Large stock of powder containing in plywood cases, oil pressure stove 30 Nos. Containing in plywood cases various mechanical machinery and its measuring equipments household articles etc., severely damaged by fire, heat, smoke and water.	11,16,000
18-11-79 0925 hrs.	Bajaj Bhavan, Nariman Point, Bombay.	Ship Bldg.	Firemen with 3 lines of appliances.	Furniture, fixtures, air-conditioning plant, electric motors, ducting system, telephone installation, type-writers, fabrics, typing material etc., severely damaged by fire, heat smoke and water.	1,45,500
6-12-79 1150 hrs.	The New City of Bombay Mfg. Co. Ltd., Tukaram B. Kadam Marg, Bombay.	Mfg. Cotton	Firemen with 13 jets of 9 motor pumps.	Cotton bluff 15 super spinner marks, two machines, one doubling machine, one winding machine, large stock of yarn, raw material, same-finished goods etc., severely damaged by fire, heat, smoke and water.	10,00,000
22-12-79 1410 hrs.	39, N. S. Patkar Marg, United Motors India Ltd. Bombay-7.	..	Firemen with 6 lines of 8 motor pumps.	Several imported cars, garaged in the basement, automobile parts, lub, oil electric installation, ceiling, doors, basement etc., severely damaged by fire, heat, smoke and water.	3,41,000
22-12-79 2332 hrs.	556, Jasdanwala Estate, N.M. Joshi Marg, Bombay.	Fire protection Engr. & Electric Machinery.	Firemen with 5 jets from 8 pumps.	Large stock of rubber tyres machinery, wooden articles, electric installation, Roof C. I. Sheet etc., severely damaged by fire, heat, smoke and water.	7,30,000
1-1-80 0321 hrs.	1st Foras Rd., Kalyandas Udyog Bhavan, Bombay.	Readymade garments.	Firemen with 2 engine lines of 2 motor pumps	23 tailoring machines, semifinished goods raw material, finished garments, electric installation, wooden furniture, etc., severely damaged by fire, heat, smoke and water.	1,00,000
17-1-80 2200 hrs	Tulsiram Gupta Mills Estate, Magazin Station, Darukhana, Bombay.	Mfg. of Stainless steel container and utensils.	Firemen with 9 water lines of 13 motor pumps (including C. D. and Home Guards).	Some machinery pertaining to the trade of mfg. of stainless steel container, raw material, finished semi-finished stainless steel products etc., severely damaged by fire, heat, smoke and water.	27,71,000
20-1-80 0210 hrs.	Near L. P. G. filling Plant Bharat Petroleum Corpn., Mahul, Bombay.	Refinery	Firemen with 2 hydrant lines in B.P.C. fire service, with 4 lines	A complete lorry bearing Reg. No. MRL-1160 loaded with 300 L. P. G. cylinders severely damaged by fire, heat, smoke and water.	1,25,000
20-1-80 1526 hrs.	178, Perin Nariman St. Bombay.	..	Firemen with 11 fire engines.	Large stock of electric goods craft papers, readymade garments, machinery, furniture raw material, air-conditioned machine, etc., severely damaged, by fire, heat, smoke and Water.	2,41,500
6-2-1980 0104 hrs.	B-Block, Orkay Mills Compd., Kurla-Andheri Rd., Sakinaka, Bombay.	Processing of silk & textile etc.	Firemen with 7 jets, from 7 motor pumps.	Large stock of fabric, under process and finished goods, various machinery for dyeing and bleaching work, electric installation, furniture etc., severely damaged by fire, heat, smoke & Water.	1,46,00,000
19-2-80 2315 hrs.	Messrs. Chudgar and Pvt. Ltd., Godown, K. R. Mhatre Marg, Bombay.	Dealing of chemicals	Firemen with 6 jets from 8 motor pumps.	Large stock of different types of acids, chemicals, wooden rack, electric installation, some gunny bags, containing lactos, nephtalene, etc., severely damaged by fire, heat, smoke and water.	6,95,000
11-3-80 0640 hrs.	Indira Dock Shed No. 4.	..	Firemen with 5 engine lines with 5 motor pumps, B. P. T. & Civil Defence one each.	300 gunny bags containing ground nut cakes, salts, food grains and general cargo etc., severely damaged by fire, heat, smoke and water.	50,000
13-3-1980 2232 hrs.	Messrs. Shakti Dies casting Co. Pvt. Ltd., G.I.-55, Vrvani Ind., Estate, Bombay.	Mfg. metal parts.	Employees with sand firemen with one engine line and by cutting off current.	Automatic dies casting Machine, electronic equipment, readymade casing pipes etc., severely damaged by fire, heat, smoke & water.	
15-3-80 1207 hrs.	A large Cluster of Hutments at Baiganwadi Linking Rd., Deonar, Bombay.	..	Firemen with 9 jets from 8 motor pumps.	A large number of hutments, bamboos, bamboo mattings, tarpuline gunny bags, gunny cloth, household articles, etc., severely damaged by fire, heat, smoke & water.	3,06,280
16-3-80 1426 hrs.	Khadi & Village Industries Commission, Kora Gramodhyog Kendra, Shimpoli Rd., Borivli.	Match Industry.	Employees with 3 soda acid extinguisher, firemen with 3 engine lines of one motor pump.	A large stock of raw material of match box, finished goods, machinery heap of wooden logs, electric installation etc., severely damaged by fire, heat, smoke and water.	2,60,000
28-3-80 082hrs.	M. S. R. Rd., Haji Bunder, Seewree, Bombay	Chemical Ware-House.	Firemen with 6 lines from 4 motor pumps & B. P. T. employees with one line from one pump.	211 packets of C. N. Sheets, safety films, lab. chemicals, sodium bromide etc., severely damaged by fire, heat, smoke & water.	5,30,000

## APPENDIX-III

Brief details of serious House Collapse during the year 1979-80.

Serial No.	Date and Time	Place	Death	Injury	Details	
1	2	3	4	5	6	
1	26-6-79 0625 hrs.	27, Tantanpura St., Lasunwala Bldg., Bombay.	2	5	The entire south-eastern portion of a 4 floored building with several rooms had collapsed.	
2	2-8-79 0831 hrs.	Mugba Bldg. No. 8, Sankli St., Bombay.	3rd	2	7	A portion of sanitary block adjacent to a living room on each floor of 4 floored bldg. on North-western side had collapsed.
3	17-8-79 1620 hrs.	295-297, Om Nivas, Dadasaheb Bhadkamkar Marg, Bombay.	Dr.	..	5	The front 2 rooms on 1st and 2nd floors of a 3 storeyed bldg. had collapsed.
4	18-8-79 2347 hrs.	45/2nd Bhoiwada, Metal House, Bhuleshwar, Bombay.	..	..	5	A balcony on 2nd floor of a 6 floored bldg. had collapsed.
5	27-10-79 1540 hrs.	Velabai Bldg., No. 8/5, Takwadi, Kalbadevi Rd., Near Edward Cinema, Bombay.	2	13	Entire portion of flooring and side walls of northern side of a 4 floored residential bldg. under repairs had collapsed.	
4	28-11-79 1045 hrs.	245, Kawasji Hormasji St., Dhobitalao, Bombay.	2	..	The portion of the flooring of kitchen room on 4th floor bldg. had given way.	
7	20-12-79 2020 hrs.	317, Baptis Rd., Lokhandwala Chawl, Grant Rd., Bombay.	1	2	A portion of first floor of 3 floored residential bldg. had collapsed.	
8	8-1-80 1529 hrs.	9/11, Tel Galli, Dhanak Mansion, Vithal wadi, Bombay.	7	23	The rear 2 rooms tenement on each floor from ground to 4th floor of 5 floored bldg. had completely collapsed.	
9	16-1-80 1809 hrs.	Saneguruji Rd., 375, Ram Nivas, Dr. Anandrao Nair Rd., Bombay.	4	5	The flooring load bearing walls and tiled roof of 2 living rooms collapsed on the ground floor.	
10	5-2-80 2103 hrs.	132, N. M. Joshi Marg, Hiraji Gani Chawl, B'bay.	..	..	4	The portion of wooden staircase at ground floor level of a 2 floored bldg. had given way.

## APPENDIX-IV

Serial No.	Type of Rescue	In fire	In accident	Total		
1	Number of persons rescued alive with subsequently recovered.	435	694	1129		
2	Number of persons rescued alive with burns and/or injuries but subsequently died.	26	88	114		
3	Number of human lives lost before arrival of Brigade	41	254	395		
4	Number of casualties amongst Fire Service personnel	9	15	24		
5	Number of animals lives rescued	...	...	4	222	226



## 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 manufacture...	..	...	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 1979-80.

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 Escape or Ladder	Extension	Fire Unit	Escape	Extension	Motor Turn table Ladder.	Fire Unit.	Trailer Pumps.	Motor Emergency Tender.	Control Post	Hose Lorry	Sand.	Buckets.	Chemical Extinguishers.	Hand Pumps.	First Aid Appliances.	Hydrants.	No. of Motor Pumps.	No. of Jets.	B. A Sals	Foam Equipment.	Subject
1	Colaba ...				13	20	169	202	133	60	...	46	16	30	...	10	11	3	...	40	21	...	16	2	3	2	5	...	2	
2	Fort ...				39	4	286	329	304	3	...	97	54	5	1	3	12	2	...	7	3	24	...	23	...	22	14	...	1	
3	Memonwade...				54	32	548	624	539	182	...	78	49	32	1	5	11	7	4	112	72	3	...	42	29	77	84	...	3	
4	Cowalia Tank				74	2	417	493	477	8	...	147	59	25	...	21	11	5	2	59	28	3	...	38	1	27	25	...	1	
5	Byculla ...				47	14	312	373	322	42	...	37	29	5	...	14	8	4	3	161	33	14	39	...	19	3	26	...	2	
6	Worli ...		120		34	...	276	430	412	182	...	100	200	3	...	...	9	2	2	65	36	303	...	22	6	21	60	...	15	
7	Dadar ...				42	31	...	268	341	269	89	...	93	54	7	...	...	17	2	2	53	54	241	...	14	11	...	42	7	
8	Shivaji Park ...				...	2	...	13	15	10	...	...	4	1	...	...	...	...	...	5	5	...	...	4	...	...	1	...	...	
9	Indira Dock...				36	10	2	103	150	144	62	...	103	64	1	...	1	8	4	...	24	10	34	...	44	...	61	42	...	...
10	Mandvi ...				8	19	89	116	92	12	...	42	31	2	...	3	2	3	4	32	28	21	...	7	17	39	41	...	2	
11	Sewree ...				22	...	115	137	100	37	...	58	77	...	17	...	8	4	3	29	13	84	...	20	23	54	58	...	1	
12	Andheri ...				13	...	500	573	...	563	6	...	42	...	...	...	32	5	...	292	304	5	...	...	...	14	63	...	...	
13	Vikhroli ...				36	...	215	251	...	217	...	...	83	...	...	...	1	2	1	55	32	8	...	2	4	67	...	63	...	
14	Chembur ...				46	...	213	259	...	218	...	...	45	...	1	...	16	...	5	60	46	13	...	12	...	36	32	...	...	
15	Dharavi ...				21	...	163	184	...	150	9	8	36	...	21	...	...	4	...	...	52	26	7	...	1	...	19	23	...	
16	Deonar ...				4	...	32	36	...	35	...	...	21	...	16	...	...	2	...	...	7	7	...	14	...	3	2	...	...	
17	Mulund ...				37	...	54	154	...	140	...	...	45	...	2	...	...	9	...	...	12	15	59	1	3	...	4	28	...	
18	Raoli Camp...				25	...	41	66	...	66	...	5	18	1	...	...	...	2	...	...	23	14	...	5	...	5	7	...	...	
19	Kandivli ...				51	...	230	282	...	221	...	5	61	...	...	...	...	9	1	1	62	53	...	39	...	39	41	...	...	
	Total		198	567	93	4144	5062	2802	2307	15	823	985	1111	59	63	172	44	27	1190	800	925	40	279	113	494	591	8	85	11	

## APPENDIX No. VII.

*Fires and losses for the period from 1974-75 to 1979-80.*

YEAR	NO. OF FIRES	ESTIMATED LOSS
		Rs.
1974-75	2009	4,71,98,898
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

## APPENDIX No. VIII

*Special Service Call*

Serial No.	Date and Time	Place	'Death, 'Injury'	Details
1	17-8-79 1121 hrs.	Chuna Bhatti Bridge, E. E. Highway, Chuna Bhatti, Bombay-70.	1	9 A motor lorry bearing No. MHL 3385 and a private car bearing No. MRZ 3843 following the lorry had fallen over from the bridge on the huts after breaking the parapet wall of the bridge and snapping the overhead electric cable of Railway line.
2	14-11-79 1243 hrs.	Between Sion Rly. Stn. and Matunga Rly. Stn. on Down Local line track	5	57 A bogie had telescoped into the 2nd last coach of a Local train on the same track and some coaches were also derailed.
3	8-12-79 2315 hrs.	Behind Godrej Co. Central Rly. Down track Vikhroli West.	1	23 A Thana bound Local train had rammed into a Titwala bound Local train thus trapping Motor-man inside in the Motor-man's cabin.
4	18-12-79 0128 hrs.	Mahatma Gandhi Road, Near Rajawadi Rd., Ghatkopar, Bombay.	2	11 A Single Decker Bus bearing No. MRA 2154, running from south to North dashed against two 4 wheeler carriage and entered into a ground floored brick walled structure.
5	29-3-80 23.10 hrs.	Dharavi Link Rd, Opp. Dharavi Koliwada, Dharavi, Bombay.	1	5 A Motor Lorry No. MRL/4471 loaded with chemical process plant weighing about 32 tons. turned over on its right side and fell on a vespa scooter No. MMA 3287.
4	18-7-79 1615 hrs.	Near Khalsa College, Nathalal M. Parekh Marg, Matunga, Bombay.	2	14 Two Double Decker Buses belonging to B. E. S. & T. Undertaking bearing No. MRL 6078 & MRL 5914 had collided and thereafter crash to the compound of Khalsa College.

# MARKET DEPARTMENT

## Sailent Features

In the year 1979-80 :

Income	Rs.	1,14,62,411	Expenditure	Rs.	1,14,72,633
<b>Markets maintained :</b>			<b>Municipal</b>		<b>Private</b>
City			34		11
Suburbs			31		3
Extended Suburbs			12		5
			<b>City</b>		<b>Suburbs</b>
Markets Developed :			2		2
Markets under development			7		4
					<b>Extended Suburbs</b>
					1
					2

There are 96 markets—77 Municipal and 19 private under the control of the Corporation. In addition to this, 957 licences have been issued for outside shops of meat and fish to cater to the increasing demand of citizens.

The entire activities of the department are managed by 1029 personnel (Supervisory 6, Inspectorial 203, Indoor staff 59 and labour staff 761).

The Markets are situated in different areas viz. (i) City, (ii) Eastern and Western Suburbs and (iii) 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	286	88,76,133	50,49,001	37,07,221
(2) Eastern and Western Subs. ...	31	3	529	18,64,020	14,26,880	5,56,554
(3) Eastern and Western Extended Subs. ...	12	5	142	7,22,258	5,21,650	2,11,327
<b>Total ...</b>	<b>77</b>	<b>19</b>	<b>957</b>	<b>1,14,62,411</b>	<b>69,97,531</b>	<b>44,75,102</b>

Cold storage mutton and vegetable chambers at M. J. P. Market worked nearly throughout the Year.

During the year, revenue amounting to Rs. 1,14,62,411 was collected against the amount of Rs. 1,09,84,139 for the previous year. So also expenditure for the year was Rs. 1,14,72,633 as against Rs. 1,18,22,584/- 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 9714 raids were carried out and Rs. 1,91,005 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 309 dogs and 44,569 milch cattle were immunised at 10 centres. The curative and preventive treatment of animals was continued at the Khar Veterinary Dispensary.

Due to increasing number of hawkers during the year 1979-80, most of the Municipal Markets in Suburbs and Extended Suburbs were not patronised well, Majority of the markets were in deficit

The progress of the development in the Markets is as below:—

### City Markets

- (1) Colaba Market .. Old building demolished. Tenders for pile foundation being invited.
- (2) Masjid Bunder Mkt. .. Building nearing completion. Proposal for fixing of stallages is being put up to Standing Committee.

- (3) Babu Genu Market .. Fish section is being shifted to ground floor of new building.
- (4) Kamathipura Market .. Plans sent for design and estimates. Alternate accommodation for the residents in the building coming under development plan of the market is made and shifting of the residents is under progress.
- (5) D. P. Wadi, Ghodapdeo. Construction, upto the plinth level is done and the contractor has left the job. Fresh tenders will be invited by Dy. C. E. (P&D)...
- (6) Elphinstone Road Market. Piling work is completed. Tenders for the super structure are invited. Work order to P. W. C. being issued.
- (7) Jijamata Nagar Kala choky (Dabholkar Adda) Temp. Market. Work completed and started functioning from 9th June 1980.
- (8) D. K. Mandai .. Market is under construction by Repairs Board, It will take at least six months to complete.
- (9) Matunga Labour Camp, Dharavvi temporary Market. started functioning from 11th June 1980.

#### Markets in Eastern and Western Suburbs.

- (1) Khar Market .. The work of the central pavilion building is under progress.
- (2) China Baug Market .. The construction work of the market is under progress.
- (3) Topiwalla plot, Goregaon.. Market. The market building has been completed but could not be started, as some ancillary works such as, joining the drain to the main sewer line etc. were to be completed and due to which the stallholders of Goregaon Open Air Market, Grampanchayat Road, Goregaon ( West), were not co-operating in shifting.
- (4) Khar Danda Market .. Market is started from 6-3-1980.
- (5) Shastri Nagar Market .. Market is put into commission from 7-1-1980.
- (6) Proposed New market at Hirachand Desai Road, Ghatkopar (West). This market plot has been developed on temporary basis and it is proposed to be developed as shopping central and offices.

#### Market in Eastern and Western Extended Suburbs.

- (1) Mithanagar Goregaon Market. Due to shortage of cement, construction of the market is not yet completed.
- (2) Market on plot No. 5. A. at Mulund (West) S. L. Road. The market plot has been developed by the owner of the plot by constructing the market on ground floor and residential quarters on the upper floor. The market premises have been handed over and the market is likely to be started soon.
- (3) Market on plot No. 36. Mulund (West). The ground floor of the building has been taken on monthly rent for market purpose. The shops are proposed to be given as alternate accommodation and remaining shops will be auctioned soon.

A. Y. KULKARNI  
W. O. (Markets).

## DEONAR ABATTOIR

Since commissioning of the Abattoir on 16th August 1971, all the units continued to function smoothly.

During the year under report, the additional 2nd shift started in sheep unit to meet increased demand for slaughtering was continued till December 1979. The second shift was discontinued from January 1980 as the export of mutton was banned by the Government and the demand proportionately was reduced. The total number of animals slaughtered during the year under report, therefore, showed a slight reduction. Cold Storage facilities made available to the Local Licenses and exporters, were continued but on account the ban of export, this facility could not be fully utilised.

Production of the blood powder of international standard and meatmeal was continued in the Incubator Plant at the Abattoir. Approx. 121.1 tonnes of blood meal and 35.3 tonnes of meat meal were produced during this year. This has caused a saving in the expenditure to be incurred on disposal of offal and waste material of the slaughtered animals, which were rendered in the Plant to produce the meat meal. This scientific disposal of the waste material from the Abattoir also avoided environmental pollution. The meat meal is mainly used as poultry cum animal feed.

The exporters continued to take the benefit of the ideal arrangements provided at this Abattoir.

The gas produced in the Gobar Gas Plant was supplied to the two canteens in Abattoir premises.

As usual special arrangements were made during BAKRI-ID-FESTIVAL for sacrificial slaughter of large animals in one of the Live Stock Market Sheds and Municipal Meat Vans were made available for the sacrificers to transport sacrificed meat to the different parts of the city.

Messrs. Hoechst Pharmaceuticals Ltd. continued to utilise the facilities for the slaughter of animals at Deonar Abattoir for the pharmaceutical use of production of foot and mouth diseases vaccine. Pharmaceutical concerns like Messrs. Griffon Laboratories, Messrs Ropalos Brett & Co., Messrs. Immu-Kimia, Messrs. Franco India, The Haffikine Institute and many other concerns continued to take the benefit of the facilities made available for collection of various glands, tissues etc at Deonar Abattoir for pharmaceutical use.

Dignitaries from various States and from abroad including the representatives of F. A. O./ W. H. O. and slaughter House Corporation 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	Piglings	Total.
<b>Brought</b>							
1978-79 ..	70,194	1,03,865	12,907	35,40,186	25,104	106	37,52,326
1979-80 ..	71,774	1,19,208	10,260	33,87,571	29,830	60	36,18,703
<b>Rejected</b>							
1978-79 ..	665	1,024	114	7,237	...	...	9,030
1979-80 ..	847	1,458	120	4,566	...	...	6,991
<b>Percentage of Rejection.</b>							
1978-79 ..	0.9%	1.00%	0.09%	0.20%	...	..	...
1979-80 ..	1.3%	1.2%	1.1%	0.2%	...	...	...
<b>Animals Removed</b>							
1978-79 ..	1,076	66	65	3,10,976 (8,07,587)	4	..	3,12,187
1979-80 ..	1,799	533	98	3,11,592	1	...	3,14,023
<b>Slaughtered.</b>							
1978-79 ..	68,791	1,02,805	13,235	23,90,858	25,354	250	26,01,293
1979-80 ..	68,342	1,16,532	9,912	22,14,359	29,259	139	24,38,543

## Part—II.

Meat	Quantity Produced (in tons)		Quantity Condemned (in tons)		Percentage of condemnation	
	1978-79	1979-80	1978-79	1979-80	1978-79	1979-80
Beef ..	29,502.40	31,139.40	133.94	118.03	0.46%	0.38%
Mutton ..	23,908.58	22,143.59	11.02	14.05	0.05%	0.08%
Pork ..	634.60	880.27	13.63	8.09	2.15%	1.02%

## STATEMENT—II

## Revenue collected at Deonar Abattoir

	1978-79	1979-80
	Rs.	Rs.
(1) Fair fees ..	38,51,476	43,69,914
(2) Slaughter fees ..	68,25,826	71,21,939
(3) Licence fees ..	2,23,503	2,18,500
(4) Blood fees ..	3,97,072	3,76,068
(5) Service charges for slaughtering of animals ..	92,52,247	87,75,765
(6) Miscellaneous Receipts ..	14,09,267	12,31,982
(7) Rent ..	3,80,389	3,17,919
	<u>2,23,39,780</u>	<u>2,24,12,087</u>
Rs.*	<u>+17,30,996</u>	<u>+14,22,170</u>
Grand total	<u>2,40,70,776</u>	<u>2,38,34,257</u>

## LICENCE DEPARTMENT

### HIGH LIGHTS:

(1) Expenditure on the Deptt :—

(a) Establishment : Rs. 64,95,731.  
 (b) Other : Rs. 1,87,960. } Rs. 66,83,691

(2) Revenue earned by the Department :— Rs. 2,74,99,040  
 (No. of licences issued and amount realised.)

Section of BMC 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)	48,168	2,322	778	33,98,300	1,54,245	52,189
313A/313B	10,924	2,940	588	41,81,222	10,95,904	3,17,849
328/328A	4,169	1,273	364	30,89,093	5,30,366	1,51,312
393, 394	60,493	25,288	14,124	73,33,847	47,61,439	24,33,274

(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.
	8,141	3,693	2,167	7,03,120	4,01,380	1,87,945

**Functions and Activities :** The Licence Department functions in four wings viz. (1) Licence Section (2) Encroachment Section (3) S. B. etc. Projection Section and (4) Advertisement Section and their activities are as under :—

(1) **Licence Section :** This wing issues licences under section 394 and 393 of the B. M. C. Act, with a view to regularising the storages of licensable commodities and trades and for effectively controlling steam whistles and steam trumpets 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 storage, 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 Gazette on 26-10-1979.

(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 experiment 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.

(3) **Stall Board :** This wing deals with issue of permission for various types of projections viz. S. B., W. F., O. H. A. showcases, cupboards, steps etc. under section 313 (1) (b) (c) of the B. M. C. Act.

(4) **Advertisement Section :** This wing regulates various type of advertisements and sky-sign in City and Suburbs.

(5) **Mass Raid Section :** These special squads for M. R. checking made a good impact on unauthorised storages and trades and also on licencees who neglected and infringed licence conditions. During the year, 32,105 premises were checked and in 4,685 cases, court cases were proposed and in 3,478 cases, forfeiture of Security Deposit was proposed.

D. N. MORE,  
 Superintendent of Licences (I/c).



**APPENDIX 'A'**

*Statement showing the number of licences and permits issued and fees recovered in the years 1977-78 to 1979-80.*

Description	NO. OF LICENCES AND PERMITS ISSUED									AMOUNT OF FEES REALISED								
	City			Suburbs			Ex. Suburbs			City			Suburbs			Ex. Suburbs		
	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80
										Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Commodities and trades including Milk and its products (Sec. 394 & 412A) ...	63,776	57,165	59,330	23,318	19,581	24,950	11,780	12,382	13,823	57,45,972	72,10,454	73,00,657	27,11,986	38,47,628	47,27,263	18,12,953	21,66,285	24,22,030
(2) Blowing steam whistle (Sec. 393) ...	45	39	147	47	37	47	34	33	35	1,607	1,360	1,599	2,868	2,595	2,516	1,897	2,040	2,638
<b>Total</b> ...	<b>63,821</b>	<b>57,205</b>	<b>59,477</b>	<b>23,365</b>	<b>19,617</b>	<b>24,997</b>	<b>11,814</b>	<b>12,415</b>	<b>13,863</b>	<b>57,47,581</b>	<b>72,11,814</b>	<b>73,02,256</b>	<b>27,14,874</b>	<b>39,50,223</b>	<b>47,27,779</b>	<b>18,14,850</b>	<b>21,68,325</b>	<b>24,24,718</b>
(3) Transfer of fees (Sec. 394 and 412A) ...	1,313	1,182	1,016	206	502	291	178	192	261	35,714	29,578	31,591	17,689	18,208	31,660	6,103	7,662	8,556
<b>Grand Total</b> ...	<b>65,134</b>	<b>58,387</b>	<b>60,493</b>	<b>23,571</b>	<b>20,119</b>	<b>25,238</b>	<b>11,992</b>	<b>12,607</b>	<b>14,124</b>	<b>57,83,295</b>	<b>72,41,392</b>	<b>73,33,847</b>	<b>27,32,563</b>	<b>38,68,431</b>	<b>47,61,439</b>	<b>18,20,953</b>	<b>21,75,987</b>	<b>24,33,274</b>

**APPENDIX 'B'**

*Statement showing the number of permits for advertisements issued and amount of fees collected during the year 1977-78 to 1979-80 under Section 328, 328A.*

Description	NUMBER OF LICENCES ISSUED									AMOUNT OF FEES (INCLUDING COMPOSITION)								
	City			SUBURBS			EXTENDED SUBURBS			City			SUBURBS			EXTENDED SUBURBS		
	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80
										Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Wall posters boards and boards ...																		
(2) Movable boards and handcars ...																		
(3) Illuminated advertisement sky-signs ...	4,907	4,801	4,169	1,174	1,000	1,273	207	420	364	18,99,262	28,13,701	30,89,093	3,04,010	4,34,372	5,30,366	58,175	1,37,467	1,51,312
(4) Non-illuminated sky-signs ...																		
(5) Wall Paintings ...																		
<b>Total</b> ...	<b>4,907</b>	<b>4,801</b>	<b>4,169</b>	<b>1,174</b>	<b>1,000</b>	<b>1,273</b>	<b>207</b>	<b>420</b>	<b>364</b>	<b>18,99,262</b>	<b>28,13,701</b>	<b>30,89,093</b>	<b>3,04,010</b>	<b>4,34,372</b>	<b>5,30,366</b>	<b>58,175</b>	<b>1,37,467</b>	<b>1,51,312</b>

## APPENDIX 'C'

Statement showing the number of Hawkers Licences issued and amount of fees collected during the year 1977-78 to 1979-80

Description.	Year.	No. of Licences issued.			Amount of fees collected.		
		City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs.
(1) Squatter's fees collected in the reserved areas (under Sec. 313).	1977-78	5,964	1,848	450	19,00,543	5,76,332	1,62,197
	1978-79	8,383	1,031	381	27,58,650	6,41,792	1,60,989
	1979-80	9,253	2,938	413	23,86,108	7,53,296	1,75,851
(2) Fees received from itinerant hawkers licences (under Section 313A).	1977-78	188	64	109	4,520	8,762	8,820
	1978-79	208	681	270	4,021	1,18,150	42,409
	1979-80	1,669	2	175	97,573	17	29,908
Total of Items 1 and 2	1977-78	6,152	1,912	559	19,05,063	5,85,094	1,71,617
	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
(3) Recovery of expenses under (Section 490) for removal of Encroachments under Section 314.	1977-78	...	...	...	10,57,290	1,76,724	99,571
	1978-79	...	...	...	10,59,651	1,51,821	85,714
	1979-80	2	...	...	10,97,541	3,02,591	1,12,090
Final Total	1977-78	6,152	1,912	559	29,62,353	7,61,818	2,73,588
	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

## 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 1977-78 to 1979-80 under Section 313(1) (b) (c).

Year	City.	No. of licences issued.			Amount of fees collected.		
		Suburbs.	Extended Suburbs.	City.	Suburbs.	Extended Suburbs.	
1977-78	...	45,771	2,185	733	27,89,517	1,22,622	36,070
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

## SHOPS & ESTABLISHMENTS

### SALIENT FEATURES :

Revenue receipts	Rs. 31,70,521.90
Expenditure on different activities (exclusive of Provident Fund, Leave contribution and supervision charges etc.)	Rs. 15,81,934.31
Number of Establishments registered	: 2,11,348
Complaints received	: 891
Complaints disposed of	: 859
Prosecutions launched	: 19,683
Cases decided.	: 16,204
Total fines realised.	: 6,39,585
Grant-in-aid received during the year for the administration of the year 1978-79 from State Govt. :	NIL.
Total benefits regarding Minimum wages	:—
(1) Number of employees benefitted	: 927
(2) Amount paid by way of owners	: Rs. 92,941.85

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, 86 Inspectorial Staff and 97 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 2,11,348 and their classification is shown in Appendix 'A'.

The total complaints received during the year were 891 out of which, 859 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 19,683 and 16,204 prosecutions were decided and fine of Rs. 6,39,585 was inflicted.

This year the State Government have not sanctioned grant-in-aid for the year 1978-79 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. 15,81,934.35 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. 31,70,521.90.

The total number of visits paid to the Establishments for the purpose of the enforcement of Minimum wages Act, 1948, during the year under report were 10,158 out of which 5,454 were for Shops, 3855 for Commercial Establishments, 816 for Residential Hotels, Restaurants and Eating Houses and 33 for Theatres.

As a result of intervention of Inspectors of this Department an amount of Rs. 92,941.85 was distributed to 927 employees of different Establishments by way of increase in wages, difference, etc.

In all 1,209 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.	78,487	33,654	16,289	1,28,430
2 Commercial Establishments.	54,383	9,763	6,480	70,626
3 Residential Hotels.	434	121	80	635
4 Restaurants & Eating Houses.	5,926	3,039	2,550	11,515
5 Theatres, etc.	85	38	19	142
Total	1,39,315	46,615	25,418	2,11,348

**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.	Ext. Sub.	City	Sub.	Ext. Sub.	City	Sub.	Ext. Sub.
(1) Shops & Estts. Act, 1948.	60	2	13	644	138	109	617	133	109	87	7	13
(2) Payment of wages Act, 1936	15	..	..	109	10	3	111	10	3	13	..	..
(3) Minimum wages Act 1948	18	3	1	11	7	2	24	11	3	5	3	..
(4) Workmen's Compensation Act.	..	..	..	..	(1)	..	..	(1)	..	..	..	..

V. R. SARANG,  
*Chief Inspector, Shops and Establishments.*

## MUNICIPAL GARDENS

### Salient Features

Income Rs. 8,64,530.00	Expenditure Rs. 2,86,00,000.00
Amount spent on Zoo.	Rs. 6,28,000.00
Expenditure on New Works and Special Repairs.	Rs. 7,82,580.00
<b>Maintained</b>	<b>Added during the year 1979-80.</b>
271 Gardens	12 Gardens.
111 Playgrounds.	6 Playgrounds.
58 Fountains.	8 Fountains.
14 Band Stand Gardens.	3 Nurseries.
20 Nurseries.	13253 Trees Planted.
8 Plant Sale Counters.	63000 Plants distributed.

The Garden Department maintained 248 Gardens, 111 Playgrounds, 23 Gardens attached to Municipal premises, 58 fountains, 14 Band Stand Gardens and 20 Nurseries, 7 Plant Sale Counters in addition to Main sale counter at V. J. B. Udyan detailed as below :—

#### (a) Maintenance of Gardens and Playgrounds.

Location	Gardens	Play ground	Garden N. B.	Foun- tains.	Band stands	Box hedges.	Sta- tues.	Traffic Island	Nur- series	Sale Counter
City ...	120	71	18	35	7	—	10	33	9	4
Western Subs....	76	26	4	9	3	1	1	5	6	2
Eastern Subs. ...	52	14	1	14	4	—	5	5	5	2
<b>Total</b>	<b>248</b>	<b>111</b>	<b>23</b>	<b>58</b>	<b>14</b>	<b>1</b>	<b>16</b>	<b>43</b>	<b>20</b>	<b>8</b>

Vermata Jijabai Bhosle Udyan centrally located in the heart of the Bombay City is one of the best attractions to the visitors. The modern Play-apparata installed in the Garden and the Joy rides are an added attraction to the children.

### ZOO

During the year under report, we have achieved good record in breeding the important animals like Blue-Bull, Sambar, Spotted Deer, Black-Buck, Barking Deer, albino-black-Buck, Rare birds like painted stork, white Ibis, Java Sparrow, Zebra-Finch, Cuckoo were bred in the Zoo which were never bred in the past. We also bred successfully Linontail and Monkey, Capred Langur. Some rare birds were also added to the zoo in addition to one pair of zebra, which has become a focal point of visitors.

During the year under report, one bird cage was completely renovated. Regular annual painting, maintenance of the cages, planting of the trees in the cages and enclosures, to offer shade, natural environment to the animals, breeding facilities for the birds and animals were provided. One crocodile pond is under construction and the work is nearing completion. Top importance is given to preventive measures mainly in birds. The zoo dispensary is also maintained in good condition. Proper hygiene is maintained by keeping 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, we have incurred an expenditure of Rs. 6,28,000 on zoo as against provision of Rs. 10,60,000. The balance amount meant for purchase of animals could not be utilised for want of required specimens.

Within the limited area of about 48 acres, 220 animals of 45 varieties, 650 birds of 90 varieties 150 reptiles of 15 varieties were displayed for the visitors in 53 cages.

#### Open air theatre at V. J. B. Udyan

The open air theatre was hired out to the public on reasonable rent on 150 occasions during the year for dramas, social gatherings and Tamasha etc. It is becoming popular day by day.

#### Public Gardens

During the year under report, we have added one garden at Cuffe Parade and another playground at Garlic Compound in the City area.

A beautiful garden known as Netaji Subash Chandra Bose Udyan at Pant Nagar, with a beautiful fountain in the centre, playground at Sahakar Nagar, Chimbur, one garden and playground at Saba Nagar, Chimbur were added to the existing ones for the benefit of the suburbanites of Eastern side.

The existing gardens in Eastern Suburbs from Kurla to Mulund were maintained properly. Rajawadi Garden, Lions Garden at Kurla, Nanak Baijwani Udyan at Chembur, Sindhi Immigrant Society Garden, Chembur L. T. Park, Mulund were renovated during the year under report.

During the year under report, a big beautiful garden at Borivli-West known as Ganjawala Garden was developed.

Similarly, the gardens and playgrounds which existed in the Western Suburbs from Bandra to Dahisar were kept under proper care. Nanda Deep Garden, Lions Garden at Juhu, Madhu Park at Khar as Pushpa Narsi Park at Vile Parle are the main attractions of the Suburbs.

#### Fountains

58 Nos. of fountains were run throughout Greater Bombay. The fountain with multi-coloured lights provided at Madhu Park Khar, Nanda Deep, Madhav Bhavan, Kasturba Chuwk, Horniman Circle, N. traji Subashchandra Bose Garden are other main attractions of the citizens, 3 more fountains each in Bail Bazar Garden, Madhubhan Garden and Tarabai Modak Udyan were added in the Eastern Suburbs. Five ornamental fountains provided in a row in Acharaya Udyan, Chembur are other major attractions of the Chembur area.

#### Plantation of Trees

As a part of our 'Grow More Trees' campaign, about 63,000 trees were distributed free of cost from V. J. B. Udyan and other nurseries from city, suburbs and extended suburbs to the Co-op. Hsg. 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 their proper maintenance by visiting the sites, wherever necessary. They have also been approached wherever possible for maintenance of Municipal Gardens. This measure is likely to contribute a great deal towards combating the air pollution and enhancing the greenery of Bombay in the years to come.

During the year under report, a massive tree plantation was undertaken on large scale and we have planted 5834 trees in city, 4232 in Eastern Suburbs and 3187 Nos. in Western Suburbs.

#### Nurseries

During the year under report, one more nursery at Kandivli was added to the existing nurseries of the Western Suburbs. Two more nurseries one each at Ghatkopar Purification Plant and Kurla Cemetery were commissioned.

#### Training in Horticulture]

The training programme started during the year 1978 has been carried out with more vigour and about 300 malis have benefited by this programme.

#### Prize Distribution

During the year under report, Ambedkar Udyan at Chembur M Ward. Garden at Birla Krida Kendra have bagged 1st and 2nd Mayor's awards under less than half acre category. Shivaji Udyan at Gateway of India and the garden at Ramkrishna Nagar have respectively bagged 1st and 2nd prizes under less than 2 acre category. Acharaya Udyan at Chembur and S. K. Patil Udyan have bagged 1st and 2nd prizes under more than 2 acre category. V. J. B. Udyan and Sir P. M. Gardens have bagged 1st and 2nd prizes under the category of prestigious gardens. 'N' ward and 'H' East wards have also bagged 1st and 2nd Mayor's awards for planting and maintaining maximum number of trees during the report under reference.

J. C. GARKHEL  
Supdt. of Gardens.

## MUNICIPAL FREE READING ROOMS & LIBRARIES

There were 29 Municipal Free Reading Rooms and Libraries (including one Circulating Library) in the beginning of the year. One more Municipal Free Reading Room and Library was opened at 28 Municipal Tenement Building, Senapati Bapat Marg on 1-12-1979. Out of the total 30 Municipal Free Reading Rooms and Libraries, 25 were under the management of the Mumbai Marathi Grantha Sangrahalaya (19 in City, 3 in Suburbs and 3 in Extended Suburbs) and 5 were under the management of the Municipal Corporation of Greater Bombay. ( 4 in City and 1 in Suburbs).

Independent electricity meter and better lighting was provided at the Halai Memon Municipal Free Reading Room and Library. \*Repairs to the Sobani Municipal Free Reading Room and 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.

### Details of Books purchased, number of Visitors, Income and Expenditure etc.

Particulars	Division I		Division II		Division III		
	1978-79	1979-80	1978-79	1979-80	1978-79	1979-80	
Books purchased	...	289	411	253	271	...	...
Cost of the books	Rs. ...	3,196	4,555	3,069	3,975	...	...
Books received as donation	...	2*	...	...	...	...	...
Number of visitors	...	63765	**51575	17766	15424	...	...
Income	Rs. ...	13,655	12,973	2,587	2,526	2,160	2,160
Expenditure excluding grant paid to the M. M. Granth sangrahalaya	Rs. ...	1,03,251	95,935	36,742	33,960	2,112	...
Grant paid to the M. M. Granth sangrahalaya	Rs. ...	1,68,000	1,62,000	27,000	27,000	27,000	27,000

\* The books are donated by Shri B. K. Chougule, Municipal Commissioner.

V. N. BARVE,  
*Chief Librarian i/c.*  
Municipal Free Reading Rooms and Libraries.

## Dr. Bhau Daji Lad Museum

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.

Eight Wall-fans were provided in the galleries by utilising the grant sanctioned by the Central Government. A gong-bell to be used in case of emergency was installed. Introduced the scheme of supplying positive prints from the glass-negatives in the possession of the Museum.

The President of India was pleased to sanction the grant of Rs. 14,920.00 for providing Show-cases and equipment, under the Re-organisation and Development Scheme.

The scheme for reducing the expenditure on printing admission tickets proved successful on introduction of group-tickets. A group-ticket for two visitors coming together was initiated and introduced during the year and as a result of the new system the expenditure on printing is reduced by 50 percent, the time of the visitors is not wasted at the booking office and indirectly cleanliness is maintained.

The work of improving display, extending necessary help to scholars, improving documentation, giving regular soil-treatment against white ants was continued during the year.

The details as regards the number of visitors, Sale proceeds of Admission Tickets, total expenditure etc.

Particulars.	1978-79	1979-80
Total number of days when the Museum was kept open ...	303	304
Total number of visitors ...	8,21,802	9,31,351
Sale proceeds of Admission Tickets Rs. ...	48,592.00	50,841.00
Sale proceeds of Museum Guides and Minor Receipts Rs. ...	836.35	1,010.11
Fees for taking photographs of the exhibits Rs. ...	180.00	318.00
Sale proceeds of Scrap waste papers etc. Rs. ...	41.12	..
Receipt of grant from the Central Govt. Rs. ...	10,000.00	14,920.00
Total Expenditure (excluding the amount spent from the Government Grant.) Rs. ...	1,14,729.00	1,17,872.00

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 Kurla were fully utilised by the public during the year under report. The No. 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.

27th Anniversary of the M. G. M. O. Swimming Pool was observed on 27-4-1980 by holding swimming competitions amongst the members of all three Municipal Swimming Pool.

National Junior Aquatic Championships were held at M. G. M. O. Swimming Pool in May 1979 from 21st to 27th Seven. M. G. M. O. members participated in National Jr. Aquatic Meet. Five members participated in the Open National Aquatic Meet held at Bangalore in 1979, from 31-10-79 to 4-11-1979.

M. G. M. O. Water Polo league Tournament was held at M. G. M. O. Swimming Pool in August 1979.

### Financial

Swimming Pool		Income	Expenditure
		Rs.	Rs.
(1) M. G. M. O. Swimming Pool	...	3,96,882	2,56,660
(2) S. V. P. Swimming Pool	...	2,28,555	2,00,316
(3) Ghatkopar Swimming Pool	...	2,24,095	1,90,543

### Swimmers.

Swimming Pool	New Admissions.	Casual Swimmers.	School children	No. of Institutions.	Private Reservations.
(1) M. G. M. O. Swimming Pool	8835	31290	3964	14	239 With Revenue of Rs. 14,380/-
(2) S. V. P. Swimming Pool	4523	62481	3868	7	130 With Revenue of Rs. 5200/-
(3) Ghatkopar Swimming Pool	4075	76675	1338	8	109 With Revenue of Rs. 3040/-

S. N. PINGE,  
*Manager,*  
 M. G. M. O. Swimming Pool.

## Raja Dr. Baldevdas Birla Kreeda Kendra

Raja Dr. Baldevdas Birla Kreeda 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. Two rangavali exhibitions, one for a fortnight and another for forty days were open for public during the current year.

Municipal departments arranged their programmes at Birla Kreeda Kendra. These included:—

- (a) One Act Play competitions of welfare centres of Labour Department.
- (b) Inter-ward and Inter-Departmental Dramatic competitions organised by Labour Department
- (c) Sports and Guide meetings of Education Department.
- (d) Exhibition of articles made at Balbhavan Centres.
- (e) Prize distribution functions of Education Department and Health Department.
- (f) Gatherings and other functions of Municipal Medical Colleges and hospitals.

Birla Kreeda Kendra has a First Grade Restaurant on its premises. It is open to the audience as well as to the public. Terrace Garden is visited by the public for sight seeing. The garden is also rented for marriage receptions, lunches and dinners.

During the year under report, the Auditorium, Boat House, Children Hall, Garden were booked as under :—

1. Auditorium	658 Sessions.
2. Boat House	638 Sessions.
3. Children Hall	456 Sessions.
4. Garden	366 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. 2,98,151.00 was collected by way of revenue and an amount of Rs. 2,19,860.00 was expended on salary of staff and other items of maintenance.

V. V. KULKARNI,

*Manager,*

Raja Baldevdas Birla Kreeda Kendra.