

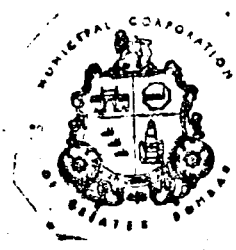
ADMINISTRATION REPORT OF

THE MUNICIPAL COMMISSIONER

FOR GREATER BOMBAY

1977-78

CITY, SUBURBS AND EXTENDED SUBURBS



**ADMINISTRATION REPORT OF
THE MUNICIPAL COMMISSIONER
FOR GREATER BOMBAY
1977-78**



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**ADMINISTRATION REPORT OF THE MUNICIPAL
COMMISSIONER FOR GREATER BOMBAY
FOR THE YEAR 1977-78**

THE Municipal Corporation of Greater Bombay is dedicated to promoting and enlarging specific need based civic amenities to its public. Commensurate with the rising trends of growth of population of the metropolis, the growth of demands for better civic amenities have also increased correspondingly. The administration will have to take care of their growing demands for better and more civic amenities through a sound system of financial management. Of all the management processes, those of realistic planning, programming and budgetting offer the most comprehensive example of finance as a thread running through all affairs. Besides, for accomplishing the Corporate goals effectively introduction of newly developed managerial and administrative techniques in almost all facets of administration becomes imperative. The accompanying administration report spells out in detail the major achievements of the departments aimed at improving the civic services.

The revised octroi schedule duly approved by the Corporation and the State Government has helped to a large extent in improving the financial position of the Corporation. For effective finance management the Performance Budget technique has been continued in the administration to correlate the physical and Financial aspects of every programme, project or activity. For highlighting the expenditure of the medical services and medical relief a separate health budget covering the activities under public Health and Medical Relief and Education has been shown. A separate Air Pollution Prevention Cell which was created with a view to taking long term measures to control and minimise the air pollution in Greater Bombay has continued during the last year. To tackle the emergency accident cases immediately an integrated Central Ambulance Service was organised under the able guidance of the experts in the line and is expected to do good work.

A detailed report of the Municipal Administration of Greater Bombay for the year 1977-78 as required under Section 124 of the Bombay Municipal Corporation Act, is submitted herewith.

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

GENERAL

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

CORPORATION :

Shri M. S. Dora who was elected Mayor at the First Meeting of the Corporation held on 4th April 1977, held that Office throughout the year.

One hundred and twenty Meetings of the Corporation including six Special Meetings and adjourned Special Meetings and one hundred twenty two Meetings of the Special Committees including fourteen meetings of the Consultative Committees, were held during the year.

No change took place in the personnel of the Corporation during the year, except Shri K. G. Mehta who resigned from 6-1-1978.

Two Civic Receptions, one Civic Reception and Civic Address and one Civic Address, were held during the year 1977-78.

STANDING COMMITTEE :

Shri D. S. Nilavde was elected Chairman of the Standing Committee at their Meeting held on 9th April 1977, and held that office throughout the year.

The changes that took place in the personnel of the Standing Committee during the year under review were as follows :—

- (i) Shri M. S. Dora, resigned as a member of the Committee from 20th June 1977.
- (ii) The vacancy caused by the resignation of Shri M. S. Dora was not filled in throughout the year.
- (iii) Shri R. C. Ankleswaria became an *ex-officio* member of the Standing Committee on his appointment as Chairman of the Education Committee from 9th April 1977, under Section 43(2) of the B. M. C. Act.

Two hundred and eight, including one hundred ninety seven regular and Adjourned Meetings and Eleven Special Meetings including Adjourned Special Meetings were held during the year. No meeting of the Sub-Committee was held during the year.

IMPROVEMENTS COMMITTEE :

Dr. (Smt.) Ashalata V. Toraskar was elected Chairman of the Improvements Committee at their Meeting held on 26th April 1977 and held that office throughout the year.

The changes that took place in the personnel of the Improvements Committee during the year under review were as follows :—

- (i) Shri Z. H. Chugtai was granted leave for maximum period.
- (ii) Shri P. R. Kadam resigned as a member of the Improvements Committee from 18th May 1977.
- (iii) Shri K. K. Rajpurkar was appointed a member from 11th July 1977.
- (iv) Shri R. S. Tirandaz resigned as a member of the Improvements Committee from 26th August 1977.
- (v) Shri V. G. Parab was appointed a member from 12th September 1977.

Forty six Meetings including regular and Adjourned Meetings were held during the year. No Special Meeting was held during the year. No Meeting of the Sub-Committee was held during the year.

EDUCATION COMMITTEE :

Shri R. C. Ankleswaria was elected Chairman of the Education Committee at their Meeting held on 9th April 1977 and held that Office throughout the year.

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

Twenty nine Meetings including twenty six regular and Adjourned Meetings and Three Special Meetings including Adjourned Special Meetings were held during the year. No meeting of the Sub-Committee was held during the year.

TREE AUTHORITY :

As per the provisions of Maharashtra Act No. XLIV of 1975, the Corporation at their Meeting held on 21st November 1975 constituted for one year a Statutory Committee known as "Tree Authority" consisting of 15 Councillor Members including the Mayor of Bombay who is *ex-officio* Chairman of the Tree Authority. They also laid down a convention that the Chairman, Markets and Gardens Committee should be one of the *ex-officio* members of the Tree Authority. Corporation under their Resolution No. 1453, dated the 17th February 1977, extended the term of the Tree Authority for the period from 14th November 1976 to 31st March 1978 so as to coincide with the term of the Corporation. As per Section 3(3) of the aforesaid Act, the Tree Authority co-opted from time to time 3 members on the Tree Authority.

The change that took place in the Personnel of the Tree Authority during the year under review is as follows :—

Shri K. G. Mehta, resigned as a member of the Tree Authority from 6-1-1978.

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 during the year, except during the period from 2nd December 1977 to 2nd January 1978 when Shri K. N. Kolhatkar, B. A. (Hons.) acted as the Municipal Secretary during the leave period of Shri V. R. Konkar.

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

There was no separate award or adjudication during the year 1977-78 so far as this department is concerned.

**LIST OF MEMBERS WHO HELD OFFICE UPTO 31ST MARCH 1978.
CORPORATION**

SHRI MURLI S. DEORA, *Mayor.*

SHRI DATTA NALAVDE, *Chairman, Standing Committee.*

DR. Smt. ASHALATA, V. TORASKAR, M.A., Ph. D., *Chairman, Improvements Committee.*

SHRI R. C. ANKLESWARIA, B.SC., B.T., S.T.C., M. Ed., *Chairman, Education Committee.*

SHRI MOHAN SAWANT, *Chairman, B. E. S. & T. Committee.*

ADVANI, SHRI H. P.
ANSARI, SHRI N. M.
ABWEDI, SHRI M. I. ARIF.
ACHARYA, SHRI S. N.
AMKE, SHRI S. S.
AVALE, SHRI P. V. B. A., L.L.M.
OOMMACHEN, SHRI C. D.
KADAM, SHRI P. R.
KADAM, SHRI H. S.
KANGUTKAR, SHRI P. R.
KARGUTKAR, SHRI B. S.
KAVTHE, SHRI M. N.
KARIRA, SHRI T. K.
QURESHI, SHRI A. J., B.A.
KENI, SHRI R. M.
KENIA, SHRI N. K., M.A.
KOPARDE, SHRI E. R., B.A.
KOHLI, SHRI SOHANSINGH J.
KHANDWANI, SHRI M. A.
GAWDE, SHRI B. R.
GANDHI, SHRI V. R.
GAONKAR, SHRI V. G.
GHADGE, SHRI J. P.
CHAVAN, SHRI N. S. B. A., LL. B., Advocate, High Court.
CHAVAN, SHRI R. N.
CHAVAN, SHRI S. S.
CHAVAN, SHRI S. B., S.T.C.
CHIMBULKAR, SHRI R. K.
CHORWADWALLA, PROP. A. E., M. COM., LL.B.
CHOUGULE, DR. (SMT.) SHALINI K., M.B., B.S.
JEELANI, SHRI K. G.
JOSHI, SHRI M. G. M.A., LL.B.
JOSHI, SHRI S. G., B.SC.
ZAKARIA, SHRI AHMED B., M.A.
ZUTE, SHRI B. D.
TANNA, SHRI J. M.
THAKKAR, SHRI N. P.
THAKARE, SHRI G. S., B. COM.
THANEKAR, SHRI K. B.
D'CRUZ, SHRI C. R.
D'MELLO, SHRI V. C.
TIRANDAZ, SHRI R. S., B.SC.
DADIA, SHRI U. D.
DANAIT, SHRI S. V.
DANNU, SHRI MOHAMMED YASIN.
DABHOLKAR, SHRI A. K. B.SC., B.G.L.
DARWATKAR, SHRI B. S.
DIWAN, SHRI J. A., D.C.E
DUTIA, SHRI G. B.
DUBE, SHRI RAMESHKUMAR M.
DUBASH, SHRI A. B.
DESAI, SMT. ALKA A., S.T.C., T.D.
DESAI, SMT. KAMAL V.
DESAI, SHRI B. A.
DHARAP, SHRI V. G., B.A., LL.B.
NABAB, SHRI S.
NAGVEKAR, SHRI Y. S.
NAIK, SHRI M. R.
NIKLANKAR, SHRI P. D.
NEVREKAR, SHRI K. R.
PATEL, SMT. INDUMATI T., B.A.
PADWAL, SHRI C. S.
PADWAL, SHRI R. V.
PARAB, SHRI V. G.
PARMAR, SHRI N. D.
PARIHAR, SMT. PARVATI L.
PAWAR, SHRI NAGESH B., B. A. LL.B. ADVOCATE, HIGH COURT.

PARVATKAR, SHRI V. M.
PATIL, SHRI A. W.
PATIL, SHRI J. M.
PATIL, SHRI B. R.
PATIL, SMT. MANORAMA D.
PAREKH, SHRI J. G.
PAREKH, SHRI MOHANLAL C.
PALAV, SHRI J. J.
PASHTE, SHRI ANANT P., B. A., LL.B.
PEDNEKAR, DR. M. D.
PAI, DR. P. S.
PANDYA, SMT. LILY A., B. SC. (Lond).
PRABHOO, DR. R. Y., M.B., B.S. (BOM.)
FITRAT SHRI M. I.
BANE, SHRI MANHAR V.
BEDI, SHRI M. H.
BEGCHUGHTAI, SHRI Z. H.
BOMAN-BEHRAM, SHRI B. K., M.A., LL.B.
BRAHMBHATT, SHRI D. B.
BHAVE, SHRI M. G.
BHUBBAL, SHRI C. C., L.M.E.
BHUGRA, SHRI HANS R., B. COM.
BHOSALE, SHRI D. M.
MAYEKAR, SHRI R. S.
MAHADIK, SHRI V. S., B.A. (HON) L.S.G.D.
MALKAR, SHRI S. K.
MUZUMDAR, DR. SAURABH R., G.F., A.M. (BOM)
MENON, SHRI C. B.
*MEHTA, SHRI K. G., B.A. (HON) LL.B.
MEHTA, SHRI C. S., B. COM. F.C.A.
MEHTA, SMT. JAYWANTIBEN N.
MEHTA, SHRI J. S.
MEHTA, SHRI N. D.
MEHTA, SHRI RUSI M.
MODI, SHRI S. A.
MHATRE, SHRI P. A.
RAWOOL, SHRI N. G.
RAGINWAR, SHRI R. W. Master Mariner
RAJDA, SHRI RATANSINH G., B.A., LL.B.
RAJPURKAR, SHRI K. K., B.A., L.I.B.
RANGNEKAR, SMT. AHILYA P., B. SC.
LABDE, SHRI R. S., Sahitya Ratna.
LAUD, SHRI R. P.
VARTAK, SHRI G. D., B. SC.,
WAGHDHARE, SHRI V. L.
SHARMA, SHRI PREM S.
SHAH, SHRI N. M.
SHAH, DR. H. L.
SHIKARI, SHRI F. K.
SHISODE, SHRI R. H.
SHAIKH, DR. M. A., B.U.M.M.S. (Alig.)
SHETE, SHRI B. H.
SHETTY, SHRI K. D.
SHEJAR, SHRI B. S.
SHROFF, SHRI B. N.
SHRINGI, DR. VASUDEO G., M.A., M.S. (Delhi) R.M.F.
SATAM, SHRI A. G.
SATAM, SHRI G. D.
SAMANT, SHRI J. R., B. TEXT.
SAMANT, SMT. VINITA D.
SINH, SHRI R. T.
SING, SHRI R. R.
SEHGAL, SHRI P. H.
SOLANKI, SHRI T. G.
HARSHE, SHRI P. V., B.A., B.T., LL.B., Advocate.
HULAVALE, SHRI R. D.

* Shri K. G. Mehta, resigned from 6-1-1978.

Shri Gopinath Sitaram Chavan expired on 10th October 1973 and Shri Sritrang Dattatraya Sabade expired on 23rd August 1975. The vacancies caused by the deaths of the aforesaid Councillors were not filled in as bye-election was not fixed.

**LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE UPTO
31ST MARCH 1978.**

SHRI DATTA NALAWDE, (*Chairman*).

ADVANI, SHRI H. P.
ANKLESWARIA, SHRI R. C.*
BEDI, SHRI H. M.
BHUBBAL, SHRI C. C.
DEORA, SHRI M. S. †
DHARAP, SHRI V. G.
DIWAN, SHRI J. A.
KOHLI, SHRI S. J.

MEHTA, SHRI J. S.
PANDYA, SMT. LILY A.
PATEL, SMT. INDUMATI T.
PAREKH, SHRI J. G.
PATIL, SHRI A. W.
SAMANT, SHRI J. R.
SHETE, SHRI B. H.
ZUTE, SHRI B. D.

* Shri R. C. Ankleswaria became an ex-officio member of the Standing Committee.

† Shri M. S. Deora, resigned as a member of the Committee from 20-6-1977 and the vacancy was not filled in during the year.

**LIST OF THE MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE
UPTO 31ST MARCH 1978.**

DR. (SMT.) ASHALATA V. TORASKAR, (Chairman).

BANE, SHRI M. V.	NIKLANEAK, SHRI P. D.
CHAVAN, SHRI N. S.	PADWAL, SHRI R. V.
CHAVAN, SHRI S. B.	PADWAL, SHRI C. S.
CHIMBULKAR, SHRI R. K.	QURESHI, SHRI A. J.
BEGCHUGTAI, SHRI Z. H.	TIRANDAZ, SHRI R. S. †
DADIA, SHRI U. D.	ZAKARIA, SHRI A. B.
DANAIT, SHRI S. V.	PARAB, SHRI V. G. †
KADAM, SHRI P. R. *	RAJPURKAR, SHRI K. K. **
NAGVEKAR, SHRI Y. S.	

* Shri P. R. Kadam resigned as a member of the Committee from 18-5-1977.
 † Shri R. S. Tirandaz resigned as a member of the Committee from 26-8-1977.
 ‡ Shri V. G. Parab was appointed as a member of the Committee from 12-9-1977.
 ** Shri K. K. Rajpurkar was appointed as a member of the Committee from 11-7-1977.

**LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE
UPTO 31ST MARCH 1978.**

SHRI R. C. ANKLESWARIA, (Chairman).

AVALE, SHRI P. V.	LOCHANSINGH, SHRI MAHENDERSINGH *
TANNA, SHRI J. M.	MALKAR, SHRI S. K.
DESAI, SMT. ALKA A.	VARDE, SHRI S. S. *
DUTIA, SHRI G. B.	SHAH, SHRI N. M.
NERLEKAR, SHRI G. V. *	SATAM, SHRI A. G.
PATHAK, SMT. ANJALI J. *	SATAM, SHRI G. D.
PEDNEKAR, DR. M. D.	KARJRA, SHRI T. K.
FITRAT, SHRI M. I.	

* Non-Councillor member.

**LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE UPTO
31ST MARCH 1978.**

SHRI M. S. DEORA, (Chairman).

QURESHI, SHRI A. J., B.A.	BOMAN-BEHRAM, SHRI B. K., M.A., LL.B.
KENI, SHRI R. M.	BHAVE, SHRI M. G.
GHADGE, SHRI J. P.	BHAT, SHRI S. V. †
DABHOLKAR, SHRI A. K., B.SC., B.C.L.	MEHTA, SHRI K.G. * B.A. (HONS.) LL.B.
DEORAS, DR. P. J. †	MEHATRE, SHRI P. A. (ex-officio)
DUTIA, SHRI G. B.	SHAH, SHRI N. M.
NAWAB, SHRI SHAMSUDDIN	SHIKARI, SHRI F. K.
PARIHAR, SMT. PARVATI L.	SAMPAT, SHRI SURESH V. †
PAWAR, SHRI N. B., B.A., LL.B.	

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

* Shri K. G. Mehta, resigned as a member of the Tree Authority from 6-1-1978.

MUNICIPAL COMMISSIONER'S OFFICE

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

Designation	Name of the Officer	Period		Remarks.
		From	To	
Municipal Commissioner	Shri B. G. Deshmukh, B.Sc. (Hon.), M.A. Development Economics (U. S. A.); I. A. S.	1-4-77	31-3-78	(1) On Earned Leave from 18-4-1977 to 17-5-1977. (2) On Earned Leave from 20-9-1977 to 15-10-1977.
	Shri V. D. Desai, B. E. (Civil), M.E. (P. H.) Calcutta with 1st class A.M.I.E. (India)	18-4-77 20-9-77	17-5-77 15-10-77	
Dy. Municipal Commissioner (Special Engineering)	Shri V. D. Desai, B.E. (Civil) M.E. (P. H.) Calcutta with 1st class, A.M. I.E. (India).	1-4-77	17-4-77	(1) On E. L. from 28-2-1977 to 17-4-77 (2) Appointed as Ag. M. C. during the leave period of Shri B. G. Deshmukh.
		18-5-77 16-10-77	19-9-77 31-3-78	
Dy. Municipal Commissioner (Special Engineering)	Shri K. D. Mulekar, B.E. (Civil) 1st class Hon., M.E. (P. H.) Calcutta 1st class.	1-4-77	17-5-77	(1) Appointed as D. M. C. (Special Engineering) from 28-2-77 to 17-4-77 during the leave period of Shri V. D. Desai and, (2) Continued as D. M. C. (S. E.) vice Shri V. D. Desai appointed as M. C. from 18-4-77 to 17-5-1977.
Dy. Municipal Commissioner (Improvements)	Shri S. R. Rane, B.E. (Mech. & Elec.) completed the post Graduate course in Mottaurgu Possess competence certificate P. W. D. Bombay.	1-4-77	31-3-78	On Earned Leave from 10-2-1978 to 11-3-1978.
Dy. Municipal Commissioner (Personnel)	Shri V. D. Vaidya, B.A. (Spl.), M.COM.	1-4-77	31-3-78	
Dy. Municipal Commissioner (Engineering)	Shri J. R. Patwardhan, B.E. (Civil) • M.E. (P. H.) A. M. I. E.	1-4-77	31-3-78	
Dy. Municipal Commissioner (Zone-I)	Shri P. P. Kamdar, B.A. (Spl.) with Ecos.L.L.B. 2nd class, B.COM.	1-4-77	31-3-78	
Dy. Municipal Commissioner (Zone-II)	Shri K. J. Gidwani, B.E. (Civil)	1-4-77	31-8-78	
Dy. Municipal Commissioner (Zone-III)	Shri V. C. Patikh, B.COM. 2nd class, I.C.A. Indian Institute of Banking (India).	1-4-77	31-3-78	On Earned Leave from 11-1-78 to 9-2-1978.
Dy. Municipal Commissioner (Zone-IV)	Shri S. H. Mhatre, B.E. (Civil) A.M.I.E.	1-4-77	31-3-78	
Dy. Municipal Commissioner (Zone-V)	Shri G. A. Prabhuchimulkar, B.E. (Civil) 2nd class, A.M.I.E.	1-4-77	31-3-78	

Municipal Chief Auditor.

The post of the Municipal Chief Auditor was held by Shri R. G. Godbole, B.COM., F.C.A., F.C.M.A., F.C.I.S., A.M.B.I.M. throughout the year.

Other Heads of Departments (City).

Serial No.	Designation	Name of the Officer	Period		Remarks.
			From	To	
1	City Engineer	Shri Thehemud Kaikshu Santoke B.E. (Civil)			Throughout the year.
2	Chief Accountant	Shri M. V. Kanekar B. Com., F. C. A.	1-4-77	26-2-78	
		Shri S. V. Dogare B. A. (Hons.)	27-2-78	31-3-78	C. A. I/e.
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.	1-4-77	30-3-78	Jt. C. A. I/e.
		Shri R. B. Desai, B. Com. IInd class, B.A., L. S. G.D., Hindi Pravin.	31-3-78		Jt. C. A. I/e.
3	Hydraulic Engineer	Shri H. N. Chavan, B.E. (Civil)	1-4-77	17-5-77	
		Shri K. D. Mulekar M.E. (P. H.) B. E. (Civil)	18-5-77	31-7-77	
		Shri H. N. Chavan, B. E. (Civil)	1-8-77	31-8-77	
		Shri K. D. Mulekar, B.E. (Civil) M.E. (P.H.)	1-9-77	31-3-78	
4	Bx. Health Officer	Dr. M. K. Vaidya, M.B.B.S., D.P.H.			Throughout the year.
5	Dean, K. E. M. Hosp. and G. S. M. College.	Dr. C. K. Deshpande, M. D. (Path.) F. R. C. (Path.)			Throughout the year.
6	Dean, B. Y. L. N. Hosp. and T. N. M. College.	Dr. M. S. Kekre, M.B.B.S., M.Sc. (Med.)			Throughout the year.
7	Dean, L. T. M. G. Hosp. & L. T. M. M. College.	Dr. V. N. Panse, M.D.M.P.H. (Columbia)			Throughout the year.
8	Dean, Nair Hospital, Dental College	Dr. S. T. Talim, M.D.S.			Throughout the year.
9	Chief Fire Officer.	Shri A. S. Kulkarni,	1-4-77	31-5-77	
		Shri G. S. Salvi, Int. Science.	1-6-77	31-3-78	
10	Medical Supdt. G. T. B. Hospital.	Dr. A. P. Rao, M.D.T.D.D., F.C.C.P. (U. S. A.)			Throughout the year.
11	Assessor & Collector	Shri R. G. Rele, B. Sc.	1-4-77 1-1-78	30-11-77 31-3-78	
		Shri S. S. Murkute, B. Com., LL.B. L.S.G.D.	1-12-77	31-12-77	
12	Education Officer	Mrs. K. N. Kamat, M.A. M. Ed.			Throughout the year.
13	Law Officer,	Shri S. N. Phadke, B.A., LL. B.			Throughout the year.

Other Heads of Departments (City).

Serial No.	Designation	Name of the Officer	Period		Remarks.
			From	To	
14	Project Engineer	Shri T. M. Kandawala, B. E. (Civil), F. I. E. (India).			Throughout the year.
14A	Chief Engineer (Sewerage)	Shri N. L. Patel, B.E. (Civil) M.I.E.			Do.
14B	Chief Engineer (Common Services) I/c.	Shri B. R. Gole, B.E. (Civil), M.I.E. (India) M.I.W.W.A., M. A.W.W.A., Fellow E.D.I.			Do.
15	Controller of Stores.	Shri C. H. Khubchandani B.E. (Civil), M.I.E.			Throughout the year.
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 S. V. Gambhir, A.M.I.E.	1-4-77	15-6-77	
		Shri H. M. Chachad D.C.E.	16-6-77	31-3-78	
17	Administrative Officer (Enq.)	Shri M. S. Dusane, Vigilance Officer	1-4-77	30-11-77	A Police Officer brought on deputation.
17A	Administrative Officer (Enq.) Incharge	Shri K. R. Dixit B. A., L. G. S., D. I. A. S.	1-12-77	31-3-78	
18	Security Officer	Shri G. H. Salunke B.A. (Spl.)			Throughout the year.
19	Ward Officer (Estates)	Shri N. N. Lalit, B.A., (Hons.)			Do.
20	Labour Officer	Shri G. S. Saudagar, B.A. (Hons.) LL.B. D. L. W.			Do.
21	Public Relations Officer and Editor, Bombay Civic Journal.	Shri K. T. Pandit, M. A.			Do.
22	Dy. Assessor and Collector (Octroi)	Shri S. S. Murkute, B. Com. LL.B. L.S.G.D.			Do.
23	Supdt. of Licenses I/c.	Shri D. N. More, B.A., LL.B., L.G.S. L.S. G.D., Rashtra Bhasha "Pravin."			Do.
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 M. M. Kamat, Ptg. Tech., D. B. M.			Do.
27	Asstt. Medical Officer (ENT Hospital)	Dr. (Smt.) S. C. Basrur, M.B.B.S., D.G.O.			Do.

Other Heads of Department (City)

Serial No.	Designation	Name of the Officer	Period		Remarks.
			From	To	
28	Organization of Methods Officer	Shri M. P. Patil, M.A., (Bombay) L.S.G.D., Pravin.			Throughout the year.
29	Curator, Dr. Bhau Daji Lad Museum & Chief Librarian I/c.	Shri V. N. Barve, B.A. (Hons.) L.S.G.D.			Do.
30	Manager, Mahatma Gandhi Memorial Olympic Swimming Pool.	Shri S. N. Pinge.			Do.
31	Manager, Raja Baldeo-das Birla Kreed Kendra.	Shri V. V. Kulkarni, B.A., L.S.G.D.	1-4-77	30-6-77	
		Shri S. G. Agashe, B.A., L.S.G.D.	1-7-77	7-8-77	
		Shri V. V. Kulkarni, B.A., L.S.G.D.	8-8-77	31-8-77	
		Shri V. S. Rajadhyaksha, B.Sc., L.S.G.D.	1-9-77	16-10-77	
		Shri V. V. Kulkarni, B.A., L.S.G.D.	17-10-77	31-3-78	
Suburbs and Extended Suburbs.					
1	Dy. Ex. Health Officer (Subs.)	Dr. M. N. Gurnani, M.B.B.S., D.P.H.			Do.
2	Dy. Accountant (Suburbs).	Shri R. B. Desai, B.A. (Spl.) B. Com. IInd class with Advance Accounting & Auditing.			Do.
3	Dy. Assessor and Collector (Western Subs.)	Shri G. P. Parulkar, M.A., B.Sc. L.S.G.D.			Do.
3A	Dy. Assessor & Collector (Eastern Subs.)	Shri S. G. Phatak, B.A. (Hons.)			Do.
4	Asstt. Supdt. of Markets. (Eastern Subs.)	Shri M. L. Naik,			Do.
5	Asstt. of Supdt. of Markets (Western Subs.)	Shri N. V. Prabhu.			Do.

WARD OFFICERS.

Sr. No.	Name	Designation
1	Shri G. R. Khairnar	Ward Officer.
2	Shri S. K. Desai	Ward Officer.
3	Shri K. M. Joglekar	Ward Officer.
4	Shri D. V. Paranjpe	Ward Officer.
5	Shri G. Gomes	Sr. Ward Officer.
6	Shri A. D. Doctor	Ward Officer.
7	Shri S. R. Dange	Ward Officer.
8	Shri S. M. Taraporewalla	Sr. Ward Officer.
9	Shri R. D. Jaisinghani	Sr. Ward Officer.
10	Shri S. G. Gavankar	Ward Officer.
11	Shri R. B. Shirkolkar	Ward Officer.
12	Shri V. G. Godambe	Ward Officer.
13	Shri S. B. Muthalia	Ward Officer.
14	Shri M. P. Nerkar	Ward Officer.
15	Shri H. M. Chachad	Ward Officer.
16	Shri N. G. Kabe	Ward Officer.
17	Shri C. V. Bhatt	Ward Officer.
18	Shri S. C. Malgaonkar	Ward Officer.
19	Shri Y. A. Nadkar	Ward Officer.
20	Shri R. R. Desai	Ward Officer.
21	Shri S. V. Gambhir	Ward Officer.
22	Shri A. A. Raisinghani	Ward Officer.
23	Shri M. B. Nirgudkar	Ward Officer.
24	Shri V. Balchandran	Ward Officer.
25	Shri V. B. Kadam	Ward Officer.
26	Smt. K. S. Kadam	Ward Officer.
27	Dr. K. K. Soman	Sr. Ward Officer.
28	Shri E. V. Rangnekar	Ward Officer.
29	Sr. (Smt.) M. V. Nerurkar	Ward Officer.
30	Shri S. N. Phadke	Ward Officer.
31	Shri N. N. Lalit	Ward Officer.
32	Shri D. A. Pinto	Personal Secretary to Municipal Commissioner (M. C.'s Office)

WARD OFFICES

With a view to render efficient Civic Services to the Citizens numbering over 75 lakhs spread over an area of about 437 Sq. M., the administration of Municipal Departments has been decentralised by setting up Ward Offices which now number 19. Each Ward Office is in charge of a Ward Officer who has been delegated wide powers. The citizens can approach him in the respective Ward Office for redressal of their grievances in the matter of Civic amenities.

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

(a) Maintenance of Municipal Properties, Roads and Drains Inspection of Private Building and Factories as also ensuring adequate water supply ; (b) Collection of taxes, and rent of Municipal Estates ; (c) Regulation of licensable commodities and enforcement of shops and Establishment Act ; (d) Registration of Births and Deaths, vaccination, maintenance of dispensaries and 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 10,352 as against 11,131 last year. It worked in close co-operation with the Fire Brigade, Water Supply Control Room and saw that in cases of house collapses and such other emergencies, the Municipal Officers and staff appeared on the scene without any delay. Co-ordination between the heads of the departments was also brought about on such occasions.

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

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

Organization and Methods Division

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

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

- (1) Standardization of forms and registers.
- (2) Re-arrangement of municipal records.
- (3) Case study.
- (4) Methods study.
- (5) Scrutiny of proposals from some of the municipal departments.
- (6) Scrutiny of furniture proposals received from different departments—ward offices.
- (7) Submission of consolidated weekly reports received from Heads of Departments and Ward Offices to the Municipal Commissioner.
- (8) Spread of Marathi language in municipal administration. Various steps were taken to accelerate the use of Marathi in day-to-day administration.
- (9) Compilation of important Circulars issued by the Municipal Commissioner'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 recently set up under Organization and Methods officer (M. C.) for inspection of various departments and offices.
- (13) The following training classes are also conducted :—
 - (1) In service training classes.
 - (2) Marathi training classes for non-Marathi employees.
- (14) The Organization and Methods Officer serves 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 Civic Journal

Shri K. T. Pandit, M.A., continued to work as the Public Relations Officer and Editor, Bombay Civic Journal during the year 1977-78.

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 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 1978 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 Councillors and Officers. Special publicity material, such as posters, folders, stickers etc., on Total Immunisation, Save Water, Cleaner Bombay, Plant More Trees etc., was prepared and distributed widely to institutions and individuals all over Greater Bombay. Besides, two attractive folders on (1) Greater Bombay Development Plan (1981-2001) and (2) the Integrated Bhatsai Scheme for augmentation of Bombay's Water Supply, were also brought out.

Press Relations : A Press Room equipped with lockers, telephone, typewriter etc. has been provided for the use of the press reporters. During the year 59 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 hand outs giving information about various civic matters and rejoinders in reply to complaints suggestions appearing in the newspapers were also issued promptly.

Special Campaigns

The Total Immunisation Campaign for Greater Bombay against Tetanus, Tuberculosis Diphtheria Whooping Cough and Polio was undertaken in response to the appeal made by W. H. O. Accordingly a systematically organised health education programme was undertaken which was aimed at helping the people to help themselves. Mass media like newspapers, hoardings, posters, stickers, T. V., Radio, Film etc. and other conventional means of communications were utilised for creating general awareness amongst the masses about various aspects of health. A "Save Water Campaign" was also undertaken on similar lines which aimed at focussing public attention and also educating the public on the colossal wastage of water due to negligence and careless usage. These two all media intensive publicity campaigns were carried out in consultation and co-operation with the Advertising Club Bombay, both in the matter of planning and production of media material.

Other Activities

(a) The Second Inter Municipal Sports Tournaments were held in Bombay from 18 to 21 November 1977 in which 22 Municipal Corporations participated. Besides organising the publicity programme all other arrangements for organising and holding the tournaments were made by this department. (b) Some of the important programmes organised by this department included (i) the Laying of the Foundation stone of the Master Balancing Reservoir at Bhandup by the Prime Minister Shri Morarji Desai on 8th January 1978. (ii) Presentation of the Civic Address to the Prime Minister on 14th January 1978 at Shivaji Park, Dadar, (iii) Children's Rally held on December 27, 1977 at Shivaji Park in honour of the President of India, Shri Sanjiva Reddy and (c) the Presentation of Civic address to the President at the Kamla Nehru Park on December 27th, 1977. (d) The department participated in the observance of the World Health Day, National Cleanliness Day, World Leprosy Day, Social Education Week, Family Welfare Campaign, Grow more Trees Campaign, Fire services Day, Republic Day, Independence Day, Cleaner Bombay Campaign, Sharad Utsav, Flag Day, Prohibition week and also in various Health Drives and Exhibitions organised by Social Welfare Organisations. (e) The Clean Bombay Green Bombay Campaign, was carried out on an intensive scale and sustained educative propaganda was carried out through various media of publicity. Besides, the annual competition for the Mayor's shield was also organised by this department.

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

Four important civic programmes and projects viz., Save Water Campaign, Total Immunisation Campaign, All India Inter-Municipal Sports Tournaments held in Bombay and Bhandup Complex were prominently published during the year under review. The Journal gave full coverage to save water campaign launched in a big way by the Corporation to focus public attention on the fact that water is an important commodity too precious to be wasted in a manner we like. The total Immunisation Campaign, first of its kind in India was launched by the Corporation and the Journal gave full publicity to this important civic activity aimed to persuade and motivate the people to immunise and protect their children. Special articles on the importance of immunisation against different diseases were published in the Journal to create awareness among the people about the seriousness of these diseases if not prevented by immunisation. Bombay Corporation played the host for the Second All India Inter Municipal Corporations Sports Tournaments and the journal gave intensive publicity to this event introduced by the All India Council of Mayors in the year 1975-76. The Journal gave pictorial features of various indoor and outdoor games in action which could help promote discipline and sense of belonging and responsibility among the civic employees and inspire the

young and upcoming athletes from different Municipal Corporations to show their skill in the various fields of sports in future. A special issue of the Journal was brought out to depict the salient features of the Bhandup Complex established by the Civic authorities to augment the Water Supply to the City and also provide for the first time the filtered water to the citizens. Articles from hydraulic engineering experts were published in the issue, to bring home to the people, the importance of this huge project undertaken by the civic authorities for their benefit.

During the year under review, the Journals were brought out with attractive front covers which showed the progress made by the Corporation in various fields of public interest. Continued efforts were made to improve the lay-out and the contents and also to increase the number of subscribers.

Special articles having a bearing on civic life, were published in the Diwali Number of the Journal. Pollution Problem, one of the burning problems of the City was highlighted through various view points expressed by the writers in their articles in the Journal. Other issues of the Journal contained publicity of the different projects and programmes undertaken by the Civic Administration such as anti-pollution measures, Municipal Children rally, Tree plantation drive, blood donation drive, Elections to Maharashtra Assembly, Civic reception to Shri Sanjiva Reddy, President of India, Civic reception to Shri Morarji Desai, Prime Minister of India, history of Bombay's water supply, Kabbadi tournaments, Civic reception to Mother Teresa, Family Welfare programme, 10th Anniversary of Bombay Stuttgart sister city relationship, Clean Bombay Green Bombay Competition, Teacher's awards and other subjects of civic interest.

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

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. The Executive Engineer (Vigilance) at present is assisted by five Assistant Engineers, two Sub-Engineers and other administrative staff.

The works carried out by all the engineering branches in the City and Suburbs are checked periodically. One Assistant Engineer is solely engaged in checking the works carried out through petty Works Contractors in all the Wards.

In addition, this unit keeps watch over all technical matters, scrutinises technical staff proposals and pays surprise visits to various municipal works under execution. Besides, the unit examines the technical matters and investigates complaints against the engineering staff whenever complaints of technical nature are received from the public.

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 obtained at the materials testing laboratory where the building materials, the cubes of cement concrete are tested and asphalt laboratory where hot mix asphalt macadam and asphalt concrete samples used on Municipal works are sent for testing. 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 1977-78 are as follows :—

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

(a) Building Construction Works	..	..	..	..	198
(b) Road Construction Works	..	..	..	..	153
(c) Water Supply and S.D. Works	..	..	..	..	98
(d) Slum Improvement Works	..	..	..	..	28
(e) P.W.C. Works	..	..	..	..	780
(2) Number of final bills checked	..	..	..	..	59
(3) Number of miscellaneous visits	..	..	..	..	135
(4) Number of building proposal scrutinised by the staff	..	..	..	..	510
(5) Number of cases investigated and examined referred by the M.C., D.M.Cs., C.E. etc.	..	..	..	..	146
(6) Amount recovered from the Civic Contractors by way of detection of excess payments, penalties imposed on sub-standard work, recovery of rebates for incomplete works, etc. pointed out at the time of checking the works in progress and/or while checking the final bills	..	..	..	..	Rs. 91,129.39

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

LABOUR DEPARTMENT

High Lights—

(1) Expenditure—	
(i) Establishment	Rs. 5,24,000
(ii) Other than Establishment	Rs. 2,25,000
(2) Recognised Unions	35
(3) Joint Councils	9
(4) Grievances attended	24,015
(5) Average daily attendance of Welfare Centres—	
(i) Adults	3,050
(ii) Children	4,000

Trade Unions: The Trade Union activities among labour and other staff were mostly confined to 35 Unions recognised by the Municipal Commissioner as per rules and covered about 36,189 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 Councils 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 committees 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 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, 777 applications for scholarships were received and 400 scholarships were granted to the applicants for higher education and 264 for secondary Education. The total amount paid by way of scholarships to the Municipal employees was Rs. 75,840.

Medical Assistance scheme to the Municipal Employees: Under the above scheme, 67 deserving employees suffering from T.B. and other diseases were given medical assistance amounting to Rs. 13,358.

Inter Ward and Inter Department Dramatic Competition: 16 Departments participated in the Inter Ward and Inter Departmental Dramatic competitions held at the Birla Kreedra 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 30 consolation prizes of Rs. 51 each were awarded for acting. Two consolation Prizes were also awarded, one for the Best Lighting and the other for Best Music.

State Dramatic Competition: During the year under report the Corporation took part in the State Dramatic Competition, the Altekar and the Chintamanrao Kolhatkar Dramatic Competitions. The Drama secured the first Prize in the Regional Round of the State Dramatic Competition at Rang Bhawan Kendra and also secured the Best Actor and Consolation Prizes in acting.

The Dramatic Training Class was conducted for the first time at the Birla Kreedra Kendra. 30 Municipal Employees took advantage of the training class.

Statistical Branch: The Statistical Section has been transferred to this department during the year under report. The section collected the information from all Municipal departments in respect of reservations of post of Backward Classes, quarterly Staff Position and Submitted to the Corporation and the State Government.

The instructions of the Government in respect of reservation of vacancies to the Backward class employees of the Corporation is being implemented scrupulously as per the orders issued from time to time by the State Government. In certain stages of recruitments and promotions, there are difficulties in implementing the instructions of the Government as qualified candidates are not available. This difficulty is more experienced in technical posts.

Bi-annual information regarding reservation of posts for backward classes etc. is also submitted to the Corporation. The Special Committee has been constituted to look into the grievances of the Backward etc. communities. A special Officer in the rank of Ward Officer has been specially appointed to look after the question of recruitment and promotion of backward etc. classes.

Efforts have been made in certain cases to make available candidates by advertising the posts exclusively for backward classes.

The following information is being collected by this department in respect of recruitment and promotions of Backward etc. classes and the report submitted to the State Government.

- (1) Monthly reports regarding supersession of Backward class employees in the Class-III and IV of the Corporation.
- (2) Quarterly information regarding the reservation of the post for Backward Class candidates.
- (3) Bi-annual information regarding reservations of posts for Backward Class on percentage basis.
- (4) Annual return regarding 'Backward Class Recruitment'.

Welfare Branch : There are 46 Welfare Centres run by the department including the new Welfare Centre opened during the year at Bhandup Complex.

(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 Competition :** The competition was held at the Open Air Theatre at the Jijamata Udyan, 20 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 1977. Trophies awarded to the first three dramas and prizes were given to the Best Directors, Best Actors and Best Actress. 16 consolation prizes were also given to encourage the artists.

(iv) **Film Shows :** Documentary and full length films of the education 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 3,050 adults and 4,000 children as against 3,000 adults and 3,050 children in the previous year.

(vi) **Excursion for Nursing Staff :** The excursion for the Nursing Staff was organised in the month of March 1978 to Darjiling-Culcutta. 40 Nurses of different hospitals and Maternity Homes participated in the excursion.

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

(viii) **Balwadi :** 3 Balwadis are conducted at Bapty Road, Palton Road and Colaba Municipal Chawls. One new Balwadi is opened at Chembur Welfare Centre during the year under report. Nearly 200 children of the Municipal employees took advantage of the Balwadis.

(ix) **Different Functions :** Combined Ganpati Festival was organised at K.E.M. Hospital Welfare Centre. Cultural items were presented during the festival and the prizes distributed to the participants taking part in the programmes. Haldi Kumkum functions were held at different welfare centres. Buddha Jayanti functions were held at 8 welfare centres.

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

(xi) **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.

(xii) **Scouting and Guiding :** The total strength of the Scouts and Guides Section was 2,174. The organisation rendered services by maintaining Law and order at the time of several celebrations.

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.	3,032	1,540	2,663	1,527	320	10	49	3
2	Promotions, Transfer Confirmation and annual increments	1,102	244	1,013	239	81	3	8	2
3	Fines, Reversions, Suspensions, Dismissals and other punishments. ...	767	60	701	55	60	4	6	1
4	Delay in payment of wages (wages leave) and allowance ...	825	144	775	143	39	Nil.	11	1
5	Delay in settlement of Provident Fund and other retirement benefits ...	702	409	657	405	36	3	9	1
6	Non supply of equipments & uniforms	413	45	398	44	11	1	4	Nil.
7	Delay in sanctioning leave due ...	1,006	81	995	80	7	Nil.	4	1
8	House rent, accommodation & transfers of quarters	1,214	61	1,198	59	10	2	6	Nil.
9	Miscellaneous ...	5,044	1,389	5,001	1,381	38	7	5	1
10	Departmental reference etc. ...	4,590	1,347	4,590	1,340	...	...	...	7
	Total ...	18,695	5,320	17,991	52,73	602	30	102	17

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 Executive Staff Union ...	S.O.	Security Asstt. and Security Officer.	Asstt. Commissioner of Labour.	Regarding demand for revision in the wages scales by the Security Asstt. and Asstt. Security Officers.
2	Municipal Executive Staff Union ...	A & C	Dy. Superintendent	Do.	Increase in duty allowance.
3	Municipal Executive Staff Union ...	H.O.	Technical staff working in Municipal Laboratory.	Cconciliation Officer	Revision of rate of Special Pay.
4	Municipal Executive Staff Union ...	S.L.	Supervisor working in Licence D.pt.	Asstt. Commissioner of Labour.	Re-transfer of Original Department.
5	Individual representation from employees.	H.O.	Compounders	Govt. Labour Officer	Request for re-instatement of service.
6	Munl. Mazdoor Union	... H.S. and W.O. Slum	Sweepers	... Conciliation Officer	Change in service condition in respect of employees working in slum department.
7	Executive Staff Union	... Family Planning Unit.	Employees working in family planning unit.	Asstt. Commissioner of Labour.	Grievance of the F.P. employees regarding allowance and their service conditions.

LEGAL DEPARTMENT

I.—Supreme Court—						
Appeals	..	..	..	..	..	43
II.—High Court—						
(1) First Appeals	..	..	..	..	..	439
(2) Appeals from order	..	..	..	..	..	296
(3) Letters Patent Appeals	..	..	..	..	..	37
(4) Civil Applications	..	..	..	..	..	321
(5) Civil Revision Applications	..	..	..	..	..	45
(6) Special Civil Petitions	..	..	..	..	..	161
(7) Long Causes Suits	..	..	..	..	..	119
(8) Arbitration Suits	..	..	..	..	..	5
(9) Appeals Before Division Bench	..	..	..	..	..	60
(10) Insolvency matters and company Petitions	..	..	..	..	..	263
(11) Writ Petitions	..	..	..	..	..	736
(12) Pauper Petition	..	..	..	..	..	1
(13) Notices of Motion	..	..	..	..	..	43
(14) Land Acquisition References	..	..	..	..	..	56
II-A.—Allahabad High Court—						
Insolvency matters	..	..	..	..	..	1
II-B.—Jodhpur High Court—						
Insolvency matters	..	..	..	..	..	1
III.—City Civil Court Suits—						
(a) Suits by the Corporation	..	..	..	..	..	10
(b) Suits against the Corporation	..	..	..	..	..	1,000
(2) Miscellaneous Appeals	..	..	..	..	..	50
IV.—Small Causes Court—						
(1) Suits by the Corporation	..	..	..	..	..	89
(2) Suits against the Corporation	..	..	..	..	..	55
(3) Garnishes Notice	..	..	..	..	..	3
(4) Full Court Applications	..	..	..	..	..	12
(5) Licence Appeals	..	..	..	..	..	165
(6) Set-back Appeals	..	..	..	..	..	21
(7) Rateable value Appeals	..	..	..	..	..	1,401
(8) Reference under Section 503 of the B.M.C. Act	..	..	..	..	..	201
V.—Police Courts—						
(1) Balance of Cases of Last year	..	..	..	..	..	42,529
(2) Complaints for offences against Municipal Laws	..	..	..	..	..	29,817
(3) No. of Cases disposed of during 1977-78	..	..	..	..	..	23,146
(4) Balance of Cases for next year	..	..	..	..	..	49,200
(5) Fine recovered in Police Courts	..	..	..	Rs.	18,20,211	
(6) I.P.C. Cases	..	..	..	..	..	60
(7) P.F.A. Cases	..	..	..	..	..	250
(8) Traffic Cases	..	..	..	..	..	9
(9) Cruelty to Animal Act	..	..	..	..	..	1
(10) Motor Vehicle Act (Thana Court)	..	..	..	..	..	1
(11) Cases under Section 145 under Executive Magistrates' Court	..	..	..	..	..	2
(12) Cases under section 45 of the B.M.C. Act	..	..	..	..	..	10
(13) Traffic matters in Bombay & Poona	..	..	..	..	..	12
(14) Charity Commissioner Matters	..	..	..	..	..	2
(15) Co-operative Court matter	..	..	..	..	..	1
(16) High Court Appeals	..	..	..	..	..	28
(17) Sessions Court Appeals and Sessions Cases	..	..	..	..	..	59
(18) Supreme Court Appeal	..	..	..	..	..	1
VI.—Labour and industrial Courts—						
(1) Workmen compensation court Applications	..	..	..	..	..	12
(2) Labour Court Applications	..	..	..	..	..	20
(3) Motor Accident Tribunal Applications	..	..	..	..	..	57
(4) Authority under Payment of Wages Act	..	..	..	..	..	192
VII.—Municipal Enquiry Courts—						
(1) Section 105-B of the B.M.C. Act	..	..	..	..	..	4,063

VIII.—Documents Completed during the year—

(1) Conveyance	5
(2) Agreements for handing over possession	9
(3) Leases	43
(4) Sale Certificate	40
(5) Deed of Exchange	1
(6) Deed of Rectification	1
(6) (a) Licence and Deed of Covenants	71
(7) Agreements	75
(8) Indemnity Bonds	42
(9) Cases for compensation of set back land (City)	35
(10) Cases for compensation of set-back land (Sub.)	187
(11) Advice matters in respect of stamp Duty, Town Planning, Set-back, P.F. Claims, Agreements Miscellaneous matters	2,253
(12) Indenture of Mortgage & Receipt (Municipal Housing Societies)	40
(13) Legal Notices for arrears of ground rent, etc.	47
(14) Legal notices for breaches committed by lessees	73
(15) Appeal matters in respect of C. T. S. R. T. S. Charity Commissioner, Sales Tax Tribunals etc.	39
(16) Opinion matters with Misc. notices	511
(17) Further charges M.H.S.	2
(18) Advice on Legal Documents like Deed of Assignment/Transfer Conveyance/ Gift/Relinquishment/Appointment of New Trustees/Consent/Decree/ Probate/Letters of Administration/Sub-Lease, etc.	342
IX.—References received from Departments and outside parties	29,927

S.N. PHADKE,
Law Officer,

CENTRAL STORES

SALIENT FEATURES :—

(1) Expenditure :—		Rs.
(a) Establishment	.. .. .	10,23,910
(b) Advertisement	.. .. .	58,921
(c) Printing and Stationery	.. .. .	28,795
(d) Miscellaneous	.. .. .	64,191
(e) Maintenance and Repairs	.. .. .	..
		11,75,817
(2) Amount realised	.. .. .	10,56,217
(3) Value of Stores:		
(i) Opening Balance	.. .. .	64,11,507
(ii) issue	.. .. .	574,98,392
(iii) Purchases	.. .. .	5,55,92,626
(iv) Balance	.. .. .	45,05,741
(4) Work handled :—		
	Nos.	Nos.
(i) Tender invited	.. 210	(iii) Contracts executed .. 314
(ii) Quotations invited	.. 97	(iv) Items purchased .. 2600
(5) Averages :—		
		General Stores Capital Stores
(i) Inventory level	.. .. .	Rs. 33,76,124 Rs. 20,82,500
(ii) Stock in terms of months consumption	.. .. .	2.756 months 0.584 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 purchase is made either by inviting tenders by public advertisement or by circular letters to all known dealers.

During the year 254 notices were served on the defaulting suppliers and in 12 cases tender or contract deposits were either wholly or partly forfeited. In delayed supplies penalties were also recovered.

During the course of the year, 2993 bills from suppliers were received and certified; 22165 indents from various departments were received and the same were complied with; 3250 sales memo 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 memo were forwarded duly priced out to departments on whose behalf the works were carried out. During the course of year scrap and unserviceable articles valued at Rs. 5,771/- were disposed of by Sale.

C. H. KHUBCHANDANI
Controller of Stores.

STATEMENT 'A' showing Stores Transaction during the year 1977-78.

Particulars	Capital Stores		General Stores		Total of Columns 2 & 3	
	(1)	(2)	(3)	(4)	(5)	(6)
Value of Stores as on 1st April 1977	..	Rs. P. 29,34,324.00	Rs. P. 34,77,183.00	Rs. P. 64,11,507.00		
Value of Stores received including transfers during the year 1977-78.	..	4,10,95,967.00	1,44,96,659.00	5,55,92,626.00		
Total	..	4,40,30,219.00	1,79,73,842.00	6,20,04,133.00		
Less—Value of Stores issued including transfer during the year 1977-78.	..	4,27,99,616.00	1,46,98,776.00	5,74,98,392.00		
Balance as on 1st April 1978	..	12,30,675.00	32,75,066.00	45,05,741.00		
Average Annual Inventory	..	20,82,500.00	33,76,124.00	54,58,624.00		
Ratio of average Inventory level to monthly average issue.		0.584 Months	2.756 Months	1.139 Months		

STATEMENT B

(Details of Stock held at Central stores.)

Figures are Rupees in Lakhs.

Serial No.	Particulars	Balance as on 1-4-1977	Receipts during 1977-78.	Total	Issued during 1977-78.	Balance as on 1-4-1978	Average Inventory	Average monthly consumption	Average Inventory level in terms of month.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CAPITAL ACCOUNT									
(1)	Cement	5.20	4,04.63	409.83	407.34	2.49	3.85	33.94	0.113
(2)	C. I. Pipes, Manholes Hydrants water & Drainage castings etc.	9.87	1.15	11.02	8.58	2.44	6.16	0.71	8.610
(3)	M. S. Round Bars, Flats, Plates, C. I. Black sheets, S. P. Tanks etc.	8.62	2.93	11.55	5.74	5.81	7.21	0.48	15.074
(4)	Pipes, stoneware and Hume	0.06	0.30	0.36	0.35	0.01	0.03	0.09	0.394
(5)	Galve. Pipes and Fittings	5.42	1.96	7.38	5.87	1.51	3.46	0.48	7.082
(6)	Lead Pig and head wool and Lead pipes	0.14	...	0.14	0.11	0.03	0.09	0.01	8.927
(7)	Asbestos sheets, Pipes and fittings	0.03	...	0.03	...	0.03	...	...	...
GENERAL ACCOUNT									
(8)	Spindle Bars and fittings	1.08	3.45	4.53	2.37	2.16	1.62	0.20	8.235
(9)	Bolts, Nuts, Rivets, Nails, Washers and Hardwares etc.	1.32	3.57	4.89	2.94	1.95	1.64	0.16	10.080
(10)	Broom Goa, Date and Brushes	0.49	4.71	5.20	4.20	1.00	0.74	0.35	2.123
(11)	Cables and Wires	0.10	0.92	1.02	1.00	0.02	0.06	0.08	0.723
(12)	Electric Accessories, bulbs, fans, Electrodes, Dry Cells, etc.	1.69	11.78	13.47	11.45	2.01	0.18	0.95	1.931
(13)	Files and Rasps	0.08	0.13	0.21	0.14	0.07	0.07	0.01	6.364
(14)	Oil Castor, Coconut, sweet, Kerosene grease Lubricating etc.	0.24	7.94	8.18	7.72	0.46	0.35	0.64	0.546
(15)	Timber, Ladders shaft Bhandiwood, Nowghani Poles, Plywood sheets, etc.	0.09	0.34	0.43	0.33	0.10	0.10	0.03	3.503
(16)	Clothing	18.63	49.50	68.13	52.70	15.43	17.03	4.39	3.880
(17)	Disinfectant, Tropical chloride cleaning powder etc.	0.76	10.97	11.73	11.31	0.42	0.59	0.94	0.627
(18)	Tools Machinery footrules, spanners, drills, saws, Angerscrews etc.	0.35	1.44	1.79	1.28	0.51	0.43	0.11	4.019
(19)	Soap and Soda	1.74	9.22	10.96	9.65	1.31	1.53	0.80	1.900
(20)	Baskets, Cane, Bamboo and wooden	0.81	10.90	11.71	10.91	0.80	0.81	0.91	0.890
(21)	Buckets, D 13 bins, Chamellas, Enamelware Hurricane, Lanterns, Glassware etc.	1.60	4.84	6.44	5.10	1.34	1.48	0.42	3.476
(22)	Hose, Rubber, Belting canvas	0.87	3.44	4.31	3.75	0.56	0.71	0.31	2.290
(23)	Wires Brass Rod, copper sheet, zinc Sheets, etc.	0.50	1.72	2.22	1.54	0.68	0.59	0.13	4.609
(24)	Leather Hides, Chamois, Chappals, Plougers, Boots and other leather articles.	0.80	4.06	4.86	4.15	0.71	0.76	0.35	2.190
(25)	Coir goods, cotton, goods, Yarn spun, waste cotton, packing asbestos, etc.	0.46	3.28	3.74	3.32	0.42	0.44	0.28	1.580
(26)	Paints, powders, Linseed Oils and Turpentine.	2.38	3.29	5.67	3.67	2.00	2.20	0.31	7.180
(27)	Locks of sorts	0.27	1.34	1.61	1.50	0.11	0.37	0.13	2.980
(28)	Misc. articles (Polish, candles, gluefiles, gun, powder, snowle, typewriters, etc.)	0.52	8.09	8.61	7.95	0.66	0.58	0.66	0.870
	Total	64.12	553.90	620.02	574.98	45.04	53.08	47.88	1.139

ADMINISTRATIVE OFFICER (ENQUIRIES)

The Department carries out the following functions :—

1. Investigation of cases of corruption, malpractices, defalcation, misappropriation and misconduct of various nature indulged in by Municipal employes.

2. During the year the Department conducted 2337 investigations, paid 1071 surprise visits to various Municipal institutions and mustering places and disposed of 4376 cases of miscellaneous nature including some important cases of confidential nature. The details of investigation are as under :—

(a) Cases of alleged acceptance of illegal gratification and misappropriation of municipal money.	...	...	...	93
(b) Cases of irregularities of major nature.	...	...	...	627
(c) Cases of irregularities of minor nature.	...	...	...	1617
			Total	2337

Actions taken were as under :—

	No. of cases.
1. Dismissal.	3
2. Removal	5
3. Withholding increments.	77
4. Fines Imposed	52
5. Censure, Caution and Warnings.	18
6. Suspension for 3 days.	7
7. Sent to Departments for remedial actions.	948
8. D. B. dropped due to death of delinquent.	4
9. Exonerated as the charges were not proved.	12
10. Filed as the allegations were found to be either false or too vague.	1196
11. Resignation accepted.	2
12. Recovery on account of loss to the Corporation.	13

Details of deterrent punishment :—

Category	Dismissal	Removal	Withholding of increment.
1) Jr. Engineer	...	...	2
2) Head Clerk	...	...	1
3) Disinfectant Sanitary Inspector.	...	1	...
4) Ward Inspector	...	1	2
5) Licence Inspector	...	...	1
6) Market Inspector	...	...	1
7) Ostroi Inspector	...	...	1
8) Sanitary Inspector	...	...	1
9) Clerk-cum-Typist	...	...	1
10) Clerk	1	1	6
11) Dy. Head Teacher	...	...	1
12) Asstt. Teacher	...	...	3
13) Pharmacist	1	...	...
14) Co-ordinator (Family Planning)	...	...	1
15) Vaccinator	...	...	2
16) Labourer & other categories.	1	2	54
Total	3	5	77

Major changes effected during the year :—

The Departmental Enquiries which were formerly held by the Security Office were transferred to this office for expeditious disposal of the enquiries.

Similarly the stock verification Section of this office was placed under the control of Jt. Chief Accountant Department for Administrative convenience

The furniture Inspector of this office has checked during the year the total No. 31120 furniture articles out of which 24565 articles were approved, and 6554 articles were rejected.

K. R. DIXIT,
Administrative officer (Enquiries). i/c

Vigilance Branch

A Vigilance Cell consisting of Two Asstt. Security Officers and Four Inspectors (Enquiries) was sanctioned in the Enquiries Dept. in September 1977 exclusively for the collection of information about corruption/corrupt practices. The full contingent was however formed in December 1977. The cell made out a number of quality cases of Evasion of Octroi, mainly by importers from Bhiwandi, Unauthorised Slaughter, Double employment etc. Six cases of evasion of Octroi were detected by interception/surprise checking of vehicles leading to the recovery of about Rs. 45,000 as octroi dues. Discreet enquiries made into a case with the coordination of Sale-Tax Deptt. and Octroi Vigilance, led to the voluntary payment of Rs. 48,000 towards Octroi duty evaded by the erring firm.

On the basis of information passed by the branch, the A. C. & P. I. Bureau made out three corrupt cases against four employees and registered offences against two for possessing assets disproportionate to their known sources of income.

After the bifurcation of the Enquiries Deptt. with effect from 1-12-1977, the Vigilance Cell and the Unit sanctioned for conducting D. E.s, the control over which was transferred to the Vigilance Officer formed a Vigilance Branch under the Vigilance Officer. The staff consisting the Vigilance Cell is also making enquiries in cases where integrity of employee is doubted or any question of corruption is involved.

M. S. DUSANE,
Vigilance Officer.

BOMBAY MUNICIPAL SECURITY FORCE

Money Spent :

(i) On Establishment Rs. 1,30,89,475.00

(ii) On other matters Rs. 6,04,000.00.

Results achieved :

Departmental Enquiries completed	217
Theft etc. cases reported	446
Value of Municipal Property involved	Rs. 77,142.31
Cases detected	107
Value of property recovered	Rs. 25,041.95

The Security Force was established in the year 1966 with the twin objective of guarding Municipal properties and institutions as also to detect and/or investigate cases of thefts and pilferages and to conduct consequent Departmental Enquiries. The staff complement consists of a Security Officer, 14 Assistant Security Officers (including Asstt. security officers given for W. S. S. D. Security Cell and Vigilance Cell) and 42 Security Assistants. There are 2767 security guards.

Classification of Departmental Enquiries completed by the Department :—

(a) Alleged acceptance of illegal gratification, misappropriation, theft or pilferage.	80
(b) Irregularities such as rude behaviour, assaults, harrasment to patients in hospitals, taking leave under false pretext etc.	75
(c) Other irregularities such as irregular attendance subletting rooms, harbouring outsiders in the rooms and negligence of duties etc.	62
	217

Action taken :

	No. of employees
Dismissal	5
Removal from service	30
Withholding of increments	136
Fine imposed	41
Censures and warnings	10
Recoveries made for loss of Municipal Property	41

	No. of Cases
Exonerated as the charges were not proved.	8
Sent to Departments concerned for conducting further D. Es.	18
Enquiries in progress at the end of the year	70
D. Es. kept on Dormant File	17

Categorywise Classification of Punishments

Category	Dismissal	Removal	Increment withheld
Clerk		2	
Security and Head Security Guards	1	8	72
Labour staff and other categories	4	20	64
	5	30	136

Departmental Enquiries pending with the Department 223

The Security Guards found guilty of minor defaults are punished such as caution, censure or fine. The fine so recovered from 126 security guards amounted to Rs. 201.

Theft Cases :

	No. of cases	Property lost	Cases detected	Property recovered
		Rs.		Rs.
Hospitals	105	16,156.83	47	7,162.10
Others	341	60,985.48	60	17,879.85

With the expansion of activities of major municipal hospitals, the number of patients attending has increased. In order to put a check on the pilferage and other complaints the Security Staff at major hospitals has been increased and additional Security Assistants have also been appointed. The security force has also been engaged in special bandobast at Corporation Meetings.

The Security Force participated in Flag Saluation Ceremony on the Republic Day and Independence Day.

The security force has got its own training school and during the year 105 security guards (including new Recruits) were imparted training.

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

G. H. SALUNKHE,
Security Officer.

MUNICIPAL PRINTING PRESS

HIGH-LIGHTS :

- (1) Expenditure :
 (a) Establishment Rs. 28,71,705. (b) Other items Rs. 35,10,443.
 (2) Jobs : (a) Printing 9,531 (b) Supply of Stationery 2,112.
 (3) Printed pages for Corporation and their various committees 50,219.
 (4) Amount charged—(a) To Department Rs. 65,58,280 (b) To private Parties Rs. 66,931

During the year, the Press carried out 9531 printing jobs both Department and Private in addition to supply of stationery jobs at a total cost of Rs. 65,58,230. Department undertook 59 Private Printing jobs and 7 jobs of stationery and earned Rs. 66,931. There was a surplus of Rs. 13,36,334 against the last year's surplus of Rs. 8,42,210. In order to meet the requirements, Department purchased 505 1/2 Metric Tons of various kinds of paper from the market and consumed total quantity of 524 3/4 Metric Tons which included old stock.

The comparative statement of jobs carried out and papers purchased during 1976-77 and 1977-78 is furnished below :—

Statement I (Jobs carried out)

Description	1976-77		1977-78	
	Jobs	Pages	Jobs	Pages
		A		
(i) Departmental (Printing) ..	9579		9472	
(ii) Departmental (Stationery) ..	1751		2105	
(iii) Private Parties (Printing) ..	51		48	
(iv) Private Parties (Stationery) ..	8		7	
(v) B.E.S. & T. Undertaking ..	8		11	
(vi) Corporation & Committees ..		34874 E 7179M		33511 E 6882M
(vii) Corporation Record ..		2953M 7868 E		1770M 8356 E

(‘E’ denotes English & ‘M’ denotes Marathi).

Statement II (Paper consumed)

Description	1976-77		1977-78	
	Rate per Kg.	Quantity in M. T.	Rate per Kg.	Quantity in M. T.
	Rs.		Rs.	
(i) White ..	4.65	378½	5.25	378½
(ii) Nepal ..	3.40	28	3.82	26½
(iii) Other kinds ..	5.08	118½	5.64	120
Total ..		525		524½

Certain jobs were carried out through outside agencies at a cost of Rs. 44,806 as against Rs. 59,038 in the previous year. In addition to regular work, the Press carried out Printing of (i) Marathi Budget comprising 3019 pages and (ii) Budget ‘G’ both Marathi and English in time against heavy odds.

In response to the incentive Bonus Scheme for C. L. 46 workers responded as against 31 in the previous year. The Press is working in two shifts with a total strength of 386 workers as on 28th February 1978 against 384 as on 28th February 1977. 13 Apprentices under Apprenticeship Act 1961 were engaged in the year as against 25 on 28th February 1977. The labour relations were very cordial & their grievances were redressed on spot wherever practicable.

M. M. KAMAT,
 Manager,
 Municipal Printing Press.

Balance Sheet as at 31st March 1978

LIABILITIES		ASSETS	
	Rs. P.	Rs. P.	
CAPITAL—			
(1) Advances from Surplus Cash Balance	5,544 30		(1) Plant and Machinery purchased out of Surplus Cash Balance ... 5,544 00
(2) Advances from Net Premium Fund	1,68,221 12		(2) Plant & Machinery purchased out of Net Premium Fund ... 1,68,221 12
(3) —Do—	49,291 19		(3) —Do— ... 49,291 19
(4) —Do—	22,745 31		(4) —Do— ... 22,745 31
(5) Advances from Special Funds	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, L—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 L—General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge ... 1,55,903 66 Do. Books and Dead Stock ... 11,640 38 Do. Cost of Crusher Building ... 4,47,771 85
(9) —Do—	1,09,122 24		(10) Plant and Machinery Purchased out of Capital Works—Loan Funds P. & M. Fire & Accident Insurance Fund ... 51,881 44
(10) Advances from Plant & Machinery Depreciation Fund.	1,39,669 10		(11) Plant and Machinery purchased out of Capital Works—Loan Funds P. and M. Fire and Accident Insurance Fund ... 97,107 17
(11) Advances from Capital Works—Loan Funds—Plant and Machinery to be purchased out of Fire and Accident Insurance Fund	51,881 44		(12) —Do— ... 2,49,116 21
(12) —Do—	97,107 17		(13) Plant and Machinery purchased out of P. & M. Depreciation Fund ... 1,39,669 10
(13) —Do—	2,49,116 21		(14) Plant and Machinery purchased out of Sundries Miscellaneous Advances ... 1,11,100 39
(14) Advances from Sundries—Miscellaneous Advances	1,11,100 39		(15) Plant & Machinery purchased out Special Fund Item No. 10 ... 1,39,800 00
(15) Advances from Plant & Machinery to be purchased out of Special Fund Item No. 10	1,39,800 00		(16) Plant and Machinery purchased out of Special Fund Item No. 1 ... 1,50,697 24
(16) Advances from Plant & Machinery to be purchased from Special Fund Item No. 1	1,30,697 24		17 Advances from different Special Fund ... 6,84,008 11
(17) Advances from different Special Fund	6,89,908 11		Less—Depreciation upto 31-3-1978 ... 26,79,542 09
Less Amount Repaid	26,74,542 09		15,23,820 65
	15,28,829 89	11,50,721 20	11,50,721 20
			Work in Progress ... 9,35,653 05
			Stock of Paper, etc., ... 5,55,419 66
			Lead Metal—Balance as per last year ... 2,95,578 95
			Do. Addition during the year ... 0 00
			Do. Less written off ... 14,778 95
			2,80,800 00
			Lead Metal—Balance as per Last year ... 2,83,953 24
			Do. Additions during the year ... 1,57,796 85
			4,41,750 09
			Do. Less—Written off ... 22,087 50
			4,19,662 59
			Materials Non-Cum-usable—
			Balance as per last year ... 17,655 42
			Do. Less—Written off ... 17,372 74
			82 68
			Books and Dead Stock—
			Balance as per last year ... 26,361 02
			Do. Addition during the year ... 6,128 99
			32,490 01
			Do. Less—Written off ... 4,377 78
			28,112 23
Outstanding Advances as on 31-3-1978		9,58,489 87	Bills due from Departments ... 77,40,473 66
		1,11,00,005 07	77,43,773 66
			99,56,003 87
			1,11,00,005 87

The summary of Advances Departmental Works-Municipal Printing Press recoveries for the year 1977-78.

Description	Amount		Total	Description	Amount		Total
	Rs.	P.			Rs.	P.		Rs.	P.
Opening Balance	93,73,877.16			Recoveries during 1977-78	81,88,367.40		
Material in hand	12,41,028.90			Misc. Revenue	1,21,250.01		83,09,617.41
Work in Progress	7,76,554.19			Material in hand	12,82,157.16		
	1,13,91,460.25			Work in Progress	9,35,653.05		
Less Profit during 1976-77	8,42,240.12			Outstanding Bills	77,40,273.66		99,58,083.87
	1,05,49,220.13		1,05,49,220.13				1,82,67,701.28
Expenditure during 1977-78							
I—Establishment	28,71,705.46						
II—Contingencies	1,58,531.43						
III—Repairs and Maintenance	1,58,688.04						
IV—Stores	28,55,425.44						
V—Electric Power	66,690.61			Profit			13,36,333.58
VI—Work through Outside Agencies	44,806.34						
VII—Provident Fund Charges	63,817.07						
VIII—Debt Charges	1,25,756.11						
IX—Transport	36,727.07						
X—Depreciation	Nil		63,82,147.57				
	63,82,147.57		1,69,31,367.70				1,69,31,367.70

FINANCE

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement Schemes and the Education Fund for the year 1977-78.

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'	1977-78			Actuals for 1976-77
	Budget Estimates	Revised Estimates	Actuals	
Opening Balance	Rs. 8,22,26,587	Rs. 3,50,56,575	Rs. 3,50,56,575	Rs. —3,60,46,534
Income ..	*1,47,85,38,991	*1,32,00,41,060	*1,32,21,20,453	92,56,20,289
Expenditure ..	**1,35,90,67,852	**1,35,42,83,685	**1,32,67,34,311	82,55,70,892
Balance ..	11,94,71,139 (Surplus)	3,42,42,625 (Deficit)	46,13,858 (Deficit)	10,00,49,397 (Surplus)
Balance ...	20,16,97,726	8,13,950	3,04,42,717	6,40,02,863
Increase(—) Decrease(+) .. in Reservation for Advances etc. ..	..	..	76,90,412	—2,89,46,288
Closing Balance..	20,16,97,726	8,13,950	3,81,33,129	3,50,56,575

2. The details of reservation of Advances etc.		Rs.	Rs.
<i>Increase :</i>			
In Renewed Grant for Expenditure in 1978-79 ..		1,25,00,000	1,25,00,000
<i>Decrease :</i>			
In Advances, Miscellaneous Advances ..		1,98,87,610	
In Reserve Stores. ..		2,80,982	
In Advance for Plant and Machinery ..		21,820	2,01,90,412
Net Decrease. ..			76,90,412

* Inclusive of contribution from Part I to Part II

** Inclusive of contribution to Part II from Part I

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1978 and that as shown in the Revised Estimates for 1977-78 in Corporation's Budget.

(Rs. in Lakhs).

Revenue Account Budget 'A'	As adopted by the Corporation	Actuals	Variation compared with Estimates of the Corporation.
	Rs.	Rs.	Rs.
Opening Balance ..	350.57	350.57	..
Income ..	1,32,00.41	1,32,21.20	+20.79 (Excess)
Expenditure ..	1,35,42.84	1,32,67.34	2,75.50 (Short fall)
Deficit/Surplus for the year ..	-3,42.43	-46.14	2,96.29 (Short fall)
Deficit/Surplus ..	+8.14	+3,04.43	2,96.29 (Increase by)
Deduct—Increase in reservation for Advances ..	..	+76.90	+76.90
Net Deficit/Surplus (-) (+) ..	+8.14	3,81.33	3,73.19 (Increase)

In the Revised Estimates income was estimated at Rs. 132.00 Crores and Expenditure at Rs. 135.42 Crores on actual closing of the books it is revealed that Income is in excess by Rs. 0.21 Crores and expenditure is less by Rs. 2.75 Crores.

3. The net unhypothecated Surplus Cash Balance on 31st March 1978 was as under :—

Liabilities		Assets	
	Rs.		Rs.
Reserve Stores and Line Suspense Account ..	35,89,173	Surplus Fund as per Appendix No. 2 ..	12,79,75,111
Advances for Plant and Machinery ..	11,576		
Miscellaneous Advances ..	8,62,41,233		
Minimum required by law ..	1,00,000		
Surplus Cash Balance ..	3,80,33,129		
	12,79,75,111		12,79,75,111

4. The Opening and Closing Reserve Stores (including Capital Stores) Balance for the year 1977-78 is compared below :—

	Opening Balance	Closing Balance	+Increase —Decrease
	Rs.	Rs.	Rs.
Serviceable Stores Reserve Stores ..	2,55,81,941	*1,53,39,728	—1,02,42,213
Reserve Suspense Account ..	12,09,842	**10,16,433	—1,93,409
Capital Stores ..	2,95,27,954	2,57,22,463	—38,05,491
Capital Stores (Foras Road Depot) ..	5,82,549	3,04,001	—2,78,548

* This includes Rs. 1,20,64,663 shown under unadjusted Reserve Stores Account

** This includes Rs. 7,02,325 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 1977	Loans raised during the year	Repayment during the year	Loan outstanding as on 31st March 1978
	Rs.	Rs.	Rs.	Rs.
Division—I	42,56,15,751	8,54,40,596	2,93,48,100	48,17,08,247
Division—II	27,10,96,603	6,60,00,000	65,39,382	*36,17,60,545
Division—III	13,58,83,929	4,40,00,000	..	*19,50,35,658
Total	83,25,96,283	19,54,40,596	3,58,87,482	1,03,85,04,450

* The figure is inclusive of Retransfer of outstanding Loan from Budget G. Transferred in excess in 1974-75 Div.—II Rs. 3,12,03,324, Div.—III Rs. 1,51,51,729.

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

(1)	Rs.	Rs.	
Division—I	4,40,00,000		Being the loan amount towards Rs. 1400 lakhs plus 10 per cent. issued at Rs. 98.85, with the currency of 10 years at 6½ per cent interest per annum raised by public subscription out of Rs. 1800 lakhs loan sanctioned under Corporation resolution No. 1052 dated the 17th November 1977 and G.R. No. LON/3277/1388/77/BUD-16 dated the 24th November 1977. The provision of Sinking Fund is sanctioned on 10 years basis improving at 6 per cent.
Division—II	6,60,00,000		
Division—III	4,40,00,000	15,40,00,000	
(2)			
Division—I	4,00,00,000		Being the loan amount towards Rs. 400 lakhs loan issued at par with a currency of 25 years at 7½ interest per annum raised by internal funds. Loan sanctioned under C. R. No. 1052 of 17th November 1977 and G. R. No. LON/3277/1388/77/BUD-16 dated the 24th November 1977. The provision of Sinking Fund is sanctioned on 25 years basis improving at 5 per cent.
Division—II	..		
Division—III	..	4,00,00,000	
(3)			
	14,40,596	14,40,596	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% p.a. allocated to B.M.C. vide C. R. No. 772 of 29th November 1976 and G.R. No. BMC/7676/313-UD-3 of 18th January 1977.
Total	..	19,54,40,596	

The repayment during the year were as under :—

	Rs.	
Division—I (1)	2,39,23,717	Repaid to Debenture holders out of Sinking Fund Investment.
(2)	54,24,383	Repaid to different Special Funds out of Revenue on the basis of equated payments.
Division—II	65,39,382	Repaid to Debenture holders out of Sinking Fund investment.
Division—III	..	
Total	3,58,87,482	

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

Budget 'A'	Amount of Fund on 1st April 1977.	Interest etc. received.	Sinking Fund Instalment	Withdrawn for payment of Loan	Amount of Fund on 31st March 1978
	Rs.	Rs.	Rs.	Rs.	Rs.
Div.—I ..	36,29,66,713	1,85,77,800	3,48,74,658	3,25,00,000	38,39,19,171*
Div.—II ..	8,47,40,624	45,02,728	1,25,47,899	1,00,00,000	9,17,91,251*
Div.—III ..	4,47,02,311	27,15,925	73,30,553	..	5,47,48,799*
	49,24,09,648	2,57,96,463	5,47,53,110	4,25,00,000	53,04,59,221

The value of the securities held in the Sinking Fund on the basis of Market rates prevailing on 31st March 1978 including accrued interest and Cash exceeds the actuarial amount of the Sinking Fund by Rs. 3,24,11,066 (Division-I—Rs. 1,57,28,071, Division-II—Rs. 1,33,32,050 and Division III—Rs. 33,50,945).

REVENUE INCOME

For Division I, II and III

6. The estimated income for the year was Rs. 1,47,85,38,991 and Revised Estimates was Rs. 1,32,00,41,060. The Actuals amounted to Rs. 1,32,21,20,453 resulting in decrease of Rs. 15,64,18,538 on the Budget Estimates and Increase of Rs. 20,79,393 on the Revised Estimates.

OCTROI

6 A. The gross collections for the year were estimated at Rs. 64,50,00,000, the refunds and commission charges at Rs. 7,00,00,000 and the net revenue at Rs. 57,50,00,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 55,77,93,888 and after deducting the amount of Rs. 6,26,99,197. (on account of refunds Rs. 6,16,69,411 and on account of fees for collection Rs. 10,29,786 credited to the separate Revenue Head), the net receipts amounted to Rs. 49,50,94,691 showing an increase of Rs. 5,89,64,622 as compared with the actuals of the previous year (i.e. Rs. 43,61,30,069).

REVENUE EXPENDITURE

For Division I, II and III

7. The final sanctioned Grants amounted in the aggregate to Rs. 1,65,19,92,954

Budget Grants.	..	1,35,90,67,852
Unexpended Grants for previous years renewed for Expenditure.	..	3,97,14,180
Additional Grants.	..	25,32,10,922
		1,65,19,92,954
		Final sanctioned Grants

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 2,12,75,222.

8. Against the final grants for the year aggregating to Rs. 1,65,19,92,954 as stated above the actuals amounted to Rs. 1,32,67,34,311 leaving an unexpended balance of Rs. 32,52,58,643 at the close of the year. Out of this balance the amount of Rs. 6,50,00,000 is being renewed for expenditure during 1978-79 as against Rs. 5,25,00,000 in 1977-78 and the remaining balance of Rs. 26,02,58,643 is being allowed to lapse.

* Out of this Rs. 24,41,00,403 Rs. 1,73,32,377 and Rs. 1,20,55,738 pertaining to Division-I, II and III respectively relate to Budget 'C'.

9. The percentage of establishment expenditure to the total expenditure for 1977-78 and the previous year is as given below :—

Budget A	Percentage of Establishment cost to total expenditure during	
	1977-78	1976-77
Division—I	26.15	37.20
Division—II	30.89	37.78
Division—III	31.56	39.05

LOAN WORKS EXPENDITURE
(City)

10. The Opening deficit balance on 1st April 1977 on account of Loan Funds excluding the Trust Fund was Rs. 65,27,134. Loans aggregating to Rs. 8,40,00,000 were raised during the year and amount of Rs. 14,40,577 was received from B. M. R. D. A. towards reimbursement of loan. Thus the total loan funds available for expenditure during the year were Rs. 7,89,13,463. The total expenditure incurred during the year amounted to Rs. 6,78,63,094. credit amount of Rs. 7,13,490 has been advanced during the year towards recoupment of advance from the Surplus Cash Balance. Thus unspent balance at the close of the year stood as Rs. 1,17,53,859.

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

Year	LOAN FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1975-76 ..	7,82,77,100	12,14,12,520	4,73,81,443	61	39
1976-77 ..	12,95,77,410	16,65,92,895	5,21,42,297	40	31
1977-78 ..	21,43,06,150	21,01,24,950	6,78,63,094	31	32

The percentage of actual expenditure to funds available works out to 86.
(Suburbs)

The deficit opening balance on 1st April 1977 on account of Loan Fund was Rs. 29,70,860. Loan aggregating to Rs. 6,60,00,000 was raised during the year. Thus total Loan Fund available for expenditure during the year were Rs. 6,30,29,140. The total expenditure incurred during the year amounted to Rs. 6,26,06,212, leaving a balance of Rs. 4,22,928 in the loan fund at the close of the year. No expenditure was incurred during the year under Trust Funds and a balance of Rs. 97,808 was in Trust Funds at the close of the year. Balance of Rs. 00.01 (One paisa only) pertaining to Budget 'G' credited to loan redemption fund in 1974-75 is transferred to Budget 'G' during the year.

The following statement compares the expenditure on the Capital Works with the Budget and Revised Estimates during the last 3 years :—

Year	LOAN AND TRUST FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1975-76 ..	10,39,40,070	12,02,41,295	5,14,55,993	40	43
1976-77 ..	11,47,76,350	13,76,45,091	6,47,01,483	56	47
1977-78 ..	17,36,26,700	17,00,21,150	6,26,06,212	36	37

The percentage of actual expenditure to the funds available works out to 99.

(Extended Suburbs)

The deficit opening balance on 1st April 1977 on account of Loan Funds was Rs. 8,17,337. Loan aggregating to Rs. 4,40,00,000 was raised during the year and Loan Fund balance of Rs. 57,621 pertaining to Budget 'G' which was credited to Loan Redemption Fund in 1974-75 was transferred to Budget 'G'. Thus total Loan Funds available for expenditure during the year were Rs. 4,31,15,042. The total expenditure incurred during the year amounted to Rs. 3,63,88,847 leaving a balance of Rs. 62,26,195 at the close of the year.

The following statement compares the expenditure on the Capital Works with the Budget and Revised Estimates during the last 3 years :-

Year	LOAN AND TRUST FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1975-76 ..	5,61,71,300	6,77,23,200	2,07,84,050	37	30
1976-77 ..	7,92,62,000	7,25,56,100	3,10,13,140	39	43
1977-78	10,09,83,600	7,74,02,530	3,63,88,847	37	48

The percentage of actual expenditure to the Funds available works out to 86.

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.		
1975-76 ..	33,83,88,470	30,93,77,015	11,96,21,486	50	39
1976-77 ..	32,36,15,760	37,67,94,086	14,78,56,920	46	39
1977-78 ..	48,89,16,450	45,75,48,630	16,73,63,153	34	37

The percentage of Actual expenditure to the Funds available works out to 90.

SINKING FUND

(CITY)

12. The book value of investment of the Sinking Fund as on 31st March 1978 amounted to Rs. 38,39,19,171 made up of Rs. 38,39,19,153 being the book value of securities and Rs. 18 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 1978 comes to Rs. 38,20,57,749. This together with the amount of interest accrued upto 31st March 1978 viz. Rs. 46,48,528 and cash with the State Bank of India Rs. 18 brings the total amount of Sinking Fund to Rs. 38,67,06,295 and more than covers the amount viz. Rs. 37,09,78,224 to which the Sinking Fund should have accumulated upto 31st March 1978. The excess in Sinking Fund Account was thus Rs. 1,57,28,071.

(SUBURBS)

From the Appendix No. 10 it will be seen that the book value of investment of the Sinking Fund as on 31st March 1978 amounted to Rs. 9,17,91,251 made up of Rs. 9,17,91,245 being the book value of the securities and Rs. 6 in cash with the State Bank of India, Bandra. Valuing the Municipal Debenture at par the Market Value of the Sinking Fund investment held on 31st March 1978 comes to Rs. 9,15,81,656 as shown in Appendix No. 17. This together with the amount of interest accrued upto 31st March 1978 viz., Rs. 15,96,879 and cash with the State Bank of India, Bandra Rs. 6 brings the total amount of Sinking Fund to Rs. 9,31,78,541 and more than covers the amount of Rs. 7,98,46,491 to which the Sinking Fund should have been accumulated upto 31st March 1978. The excess in the Sinking Fund investment Account was thus Rs. 1,33,32,050.

(EXTENDED SUBURBS)

From the Appendix No. 10, it will be seen that the book value of investment of the Sinking Fund as on 31st March 1978 amounted to Rs. 5,47,48,799 made up of Rs. 5,47,48,700 being the book value of the securities and Rs. 99 in cash with the State Bank of India, Bandra. Valuing the Municipal Debentures at par the Market Value of the Sinking Fund investment held on 31st March 1978 comes to Rs. 5,47,48,700 as shown in the Appendix No. 17. This together with the amount of interest accrued upto 31st March 1978 viz., Rs. 10,07,476 and cash with the State Bank of India, Bandra Rs. 99 brings the total amount of Sinking Fund to Rs. 5,57,56,275 and more than covers the amount of Rs. 5,24,05,330 to which the Sinking Fund should have been accumulated upto 31st March 1978. The excess in the Sinking Fund investment account was thus Rs. 33,50,945.

INVESTMENT

(CITY)

13. As detailed below, the aggregate investment made during the year was of the order of Rs. 147.98 Crores and the interest earned thereon during the year was Rs. 4.91 Crores as against Rs. 124.27 Crores and Rs. 1.90 Crores respectively during the preceding year (1976-77). The average rate of interest realised on the aggregate investment works out to 8.37% p. a. as against 7.41% p. a. for the preceding year.

Nature of Investment	INVESTMENTS MADE		Interest Realised	
	Amount	Average No. of Days	Amount	Average rate p. a.
Fixed Deposits	Rs. 80,71,69,800	247	Rs. 4,64,43,887	8.51 %
Current A/c. Deposits	67,26,25,567	9	6,53,563	3.99 %
Aggregate	1,47,97,95,367	139	4,70,97,450	8.37 %

The average rates of interest on Fixed Deposits and Current Account Deposits were 8.51 per cent and 3.99 per cent, as against 7.65 per cent and 3.56 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 4 per cent.

The maximum rates realised on Fixed Deposits and Current Account Deposits during the preceding year were 10 per cent and 4 per cent respectively.

(SUBURBS)

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

Deposits	Amount	Average No. of days
(1) Current Account Deposits	Rs. 94,62,10,494	2.02

The interest earned during the year amounted to Rs. 1,96,493 as against Rs. 1,14,705 during the year 1976-77.

The Average rate of interest realised on Current Account Deposits was 3.79 as against 3.55 per cent of the preceding year. The rates ranged from 4.00 per cent to 0.50 per cent.

(EXTENDED SUBURBS)

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

	Amount	Average No. of days.
	Rs.	
(1) Current Account Deposits	4 1,16,35,009	2.7

The interest on Current Account Deposit earned during the year amounted to Rs. 1,25,361 as against Rs. 97,789 during 1976-77.

The average rate of interest realised on Current Account Deposit was 4.00 per cent as against 4.00 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. 2,55,81,941 and Rs. 1,40,84,831 respectively and the issues amounted to Rs. 2,43,27,044. The closing balance of General Stores was therefore Rs. 1,53,39,728 i. e. less by Rs. 1,02,42,213 than the Opening Balance.

As against this, the outstanding balance on 31st March 1978 according to Controller of Stores was Rs. 32,75,065. The difference of Rs. 1,20,64,663 is due to adjustment in respect of Stores etc. issued by Controller of Stores to the Departments not having been returned by them to this office in time for being adjusted in the accounts of 1977-78. This amount of Rs. 1,20,64,663 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. 12,09,842 and Rs. 5,48,886 respectively and issues amounted to Rs. 7,42,295. The closing balance of General Stores Foras Road Depot was Rs. 10,16,433 i.e. less by Rs. 1,93,409 than the opening balance. As against this, the outstanding balance on 31st March 1978 according to books of Executive Engineer (Mechanical-South)'s department is Rs. 3,14,108. The difference of Rs. 7,02,325 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. 2,95,27,954 together with the receipts of Capital Stores during the year viz. Rs. 4,10,44,011 aggregated to Rs. 7,05,71,965. As against this, issues during the year aggregated to Rs. 4,48,49,502 thus resulting in decrease of Rs. 38,05,491 in the closing balance of Capital Stores viz. Rs. 2,57,22,463 compared with the opening balance. As against this, the outstanding balance as on 31st March 1978 according to C. S. is Rs. 12,30,675. The opening balance and the receipts of Capital Stores, Foras Road Depot were Rs. 5,82,549 and Rs. 1,22,315 respectively and the issues amounted to Rs. 4,00,863 thus resulted in decrease of Rs. 2,78,548 in the closing balance of Capital Stores, Foras Road Depot viz. Rs. 3,04,001 compared with opening balance. As against this, the outstanding balance as on 31st March 1978 according to books of Executive Engineer Mechanical (South)'s department is Rs. 39,662.

**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. 65,00,000 and the expenditure being Rs. 31,58,490. This leaves a balance of Rs. 23,41,510. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1978 in regard to set backs already acquired and sanctioned to be acquired amount to Rs. 59,15,817.

(SUBURBS)

The provision made in the Revised Loan Works Budget Estimates for meeting the claim on account of acquisition of set backs was Rs. 20,00,000 and the expenditure was Rs. 1,76,235. This leaves a balance of Rs. 18,23,765.

(EXTENDED SUBURBS)

The provision made in the Revised Loan Works Budget Estimates for meeting the claims on account of acquisition of set backs was Rs. 1,50,000 and the expenditure was Rs. 96,160. This leaves a balance of Rs. 53,840.

LEAVING, METALLING ETC. PRIVATE STREETS

17. The expenditure on the Improvements of Private Streets is financed in the first from Plant and Machinery Depreciation Fund pending recovery from the House Owners.

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

Year	EXPENDITURE			Total	Recoveries inclusive of interest and Supervision Charges
	Actual expenditure of work	Supervision Charges	Interest etc. Advances		
	Rs.	Rs.	Rs.	Rs.	Rs.
1975-76	4,17,909	62,685	..	4,80,594	..
1976-77	4,90,271	73,541	..	5,63,812	..
1977-78	96,308	14,445	..	1,10,753	12,351.75

Balance of Supervision Charges outstanding as on 31st March 1978 is Rs. 5,76,308.

IMPROVEMENT SCHEMES

General Account

INCOME

18. The total income for the year amounted to Rs. 3,42,94,150 against Rs. 5,89,80,852 for the previous year showing the net decrease of Rs. 2,46,86,702. This is made up of decrease of (1) Rs. 1,53,18,681 under I-Rent and other proceeds of properties, (2) Rs. 1,65,486 under V-Misc. Receipts, counter balanced by increase of (1) Rs. 16,51,353 under II—Contingencies from Municipal Corporation.

EXPENDITURE

19. The total expenditure for the year aggregated to Rs. 4,26,20,806 against Rs. 6,47,47,733 for the previous years showing decrease of Rs. 2,21,19,927. This is made up of decrease of Rs. 2,42,38,095 under A-Maintenance of Properties and Streets counter balanced by increase of (1) Rs. 21,18,168 under D-Debt Charges. The expenditure of Rs. 4,26,20,806 comprises of expenditure of Rs. 3,11,31,638 under maintenance of properties and streets and Rs. 1,14,89,168 under Debt Charges. The deficit of Rs. 83,26,656 in the General Account is transferred to Capital Account.

20. The loan liabilities at the beginning of the year stood at Rs. 15,00,33,647. A loan of Rs. 2,75,00,000 was raised during the year. Rs. 15,84,291 were repaid to Government on the basis of equated payment. The outstanding loan liabilities at the close of the year thus stood at Rs. 17,59,49,356.

CAPITAL ACCOUNT

21. The opening deficit balance on 1st April 1977 was Rs. 21,74,815. During the year under report receipt on account of the sale proceeds of lands and buildings amounted to Rs. 7,83,259. An amount of Rs. 2,75,00,000 was received as loan. The total funds available were thus Rs. 2,61,08,444. The total expenditure incurred amounted to Rs. 1,45,11,691. The deficit in the general Account amounting to Rs. 83,26,656 was transferred to Capital Account. The unspent balance at the close of the year stood as Rs. 32,70,097.

EXPENDITURE ON SCHEMES

22. The actual expenditure incurred during the year on schemes amounted to Rs. 1,45,11,691 as against the Revised Estimates of Rs. 3,15,67,700 included in the total amount of Rs. 4,03,84,505 which also consists of Rs.30,00,000 on account of cost of Management and Establishment and Rs. 63,16,805 as deficit in General Account.

SINKING FUND

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

Amount of Fund on 1st April 1977.	Interest etc. realisation, during 1977-78.	Sinking Fund Instalments during 1977-78.	Withdrawn for Repayment of Loans.	Amount of fund on 31st March 1978
Rs.	Rs.	Rs.	Rs.	Rs.
9,17,24,621	46,43,841	22,01,554	..	9,85,70,016

The Sinking Fund as on 31st March 1978 amounts to Rs. 9,85,70,016 of which Rs. 9,85,69,953 represent the book value of the securities and Rs. 63 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 1978 comes to Rs. 9,85,19,299. This together with the amount of interest accrued upto 31st March 1978 viz. Rs. 4,38,370 and cash with State Bank of India viz. Rs. 63 brings together the total amount of Sinking Fund to Rs. 9,89,57,732 against Rs. 7,11,08,447 the amount to which the Sinking Fund should have accumulated upto 31st March 1978. The excess in the Sinking Fund investment account is thus Rs. 2,78,49,285.

24. The gross capital liabilities of the Improvement Schemes stood at Rs. 18,07,07,846 at the close of the year and the assets at Rs. 38,25,38,086 including the book value of the lands comprised in Schedules 'W' and 'X' resulting in surplus of Rs. 20,18,30,240.

SLUM CLEARANCE

GENERAL ACCOUNT

(City Section)

INCOME

25(1). The total income for the year amounted to Rs. 28,20,368 against Rs. 25,32,340 for the previous year showing a net increase of Rs. 2,88,028. This is made up of increase of Rs. 2,88,028 under Rent and other proceeds of properties.

EXPENDITURE

25(2). The expenditure for the year amount to Rs. 62,81,648 against Rs. 62,07,661 for the previous year showing increase of Rs. 73,987. This increase is made up of (1) Rs. 6,81,995 under Debt Charges counter balanced by decrease of Rs. 6,08,008 under Maintenance of properties. The expenditure of Rs. 62,81,648 comprises of (1) Rs. 18,99,924 under Maintenance of properties etc. and (2) Rs. 43,81,724 under Debt Charges. The net deficit of Rs. 34,61, 280 is transferred to Capital Account.

(Suburban Section)

INCOME

25(3). The total income for the year amounted to Rs. 11,15,508 against Rs. 7,83,180 for the previous year showing a net increase of Rs. 3,32,328. This is made up of increase of (1) Rs. 29,316 under Rent and other proceeds of properties and (2) Rs. 1,86,269 under Miscellaneous receipts.

EXPENDITURE

25(4). The expenditure for the year amounted to Rs. 45,30,688 as against Rs. 41,11,588 for the previous year showing net increase of Rs. 4,19,100. This is made of decrease of Rs. 4,64,716 under Maintenance of properties etc., counter balanced by increase of Rs. 8,83,815 under Debt Charges. The expenditure of Rs. 45,30,688 comprises of (1) Rs. 6,58,172 under Maintenance of properties etc. and (2) Rs. 38,72,516 under Debt Charges. The net deficit of Rs. 34,15,180 is transferred to Capital Account.

SLUM IMPROVEMENT

GENERAL ACCOUNT

INCOME

25(5). The total Income for the year 1977-78 amounted to Rs. 3,40,31,934.

EXPENDITURE

25(6). The Expenditure for the year 1977-78 amounted to Rs. 3,40,31,934.

CAPITAL ACCOUNT

(City Section)

26(1). The Opening Balance on 1st April 1977 was Rs. 59,66,494. The amount of Rs. 50,00,000 was received as Loan. Thus the total funds available for expenditure were Rs. 1,09,66,494. The total expenditure amounted to Rs. 9,77,244. The deficit in the General Account amounting to Rs. 34,61,281 was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 65,27,969.

SINKING FUND

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

Amount of Fund on 1st April 1977	Interest etc. realisation during 1977-78	Sinking Fund instalments during 1977-78	Withdrawn for Repayment of Loans	Amount of Fund on 31st March 1978
Rs.	Rs.	Rs.	Rs.	Rs.
109,77,520	6,17,409	10,29,724	..	1,26,24,653

The Sinking Fund on 31st March 1978 amounts to Rs. 1,26,24,653 of which Rs. 1,26,24,580 represent the book Value of securities and Rs. 73 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 1978 comes to Rs. 1,26,26,300. This together with the amount of interest accrued upto 31st March 1978 Viz., Rs. 1,11,390 and cash with the State Bank of India Viz., Rs. 73 brings the total amount of the Sinking Fund to Rs. 1,27,37,763 against Rs. 1,16,53,926 the amount to which Sinking Fund should have accumulated upto 31st March 1978. The excess in Sinking Fund Investment Account is thus Rs. 10,83,837.

CAPITAL ACCOUNT

(Suburban Section)

26(3). The Opening Balance on 1st April 1977 was Rs. 55,97,083. During the year under report the sale proceeds of lands and buildings amounted to Rs. 84,436. The amount of Rs. 50,00,000 was raised as loan. The total funds available for expenditure were Rs. 1,06,81,519. The total expenditure amounted to Rs. 6,32,532. The Deficit in the General Account amounting to Rs. 34,15,180 was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 66,33,807.

SINKING FUND

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

Amount of Fund on 1st April 1977.	Interest etc. realisation during 1977-78.	Sinking Fund Instalments during 1977-78.	Withdrawn Repayment of Loans.	Amount of Fund on 31st March 1978.
Rs.	Rs.	Rs.	Rs.	Rs.
62,57,641	3,72,339	8,94,472	..	75,24,452

The Sinking Fund as on 31st March 1978 amounts to Rs. 75,24,452 of which Rs. 75,24,370 represent the book value of the securities and Rs. 82 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 1978 comes to Rs. 75,24,400. This together with the amount of interest accrued upto 31st March 1978 viz., Rs. 61,788 and cash with the State Bank of India viz. Rs. 82 brings the total amount of the Sinking Fund to Rs. 75,86,270 against Rs. 69,49,106 the amount to which Sinking Fund should have accumulated upto 31st March 1978. The excess in the Sinking Fund Investment Account is thus Rs. 6,37,164.

SINKING FUND

(Slum Improvement)

26(5). The position of Sinking Fund is as shown below :—

Amount of Fund on 1st April 1977	Interest etc. realisation during 1977-78.	Sinking Fund Instalments during 1977-78.	Withdrawn for Repayment of loans.	Amount of Fund on 31st March 1978.
Rs.	Rs.	Rs.	Rs.	Rs.
..	..	3,64,534	..	3,64,534

The Sinking Fund as on 31st March 1978 amounts to Rs. 3,64,534 of which Rs. 3,64,500 represent the book value of the securities and Rs. 34 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 1978 comes to Rs. 3,64,500. This together with the amount of interest accrued upto 31st March 1978 viz., Rs. 63 and cash with the state Bank of India viz., Rs. 34 brings the total amount of the Sinking Fund to Rs. 3,64,597 against Rs. 3,64,595 the amount to which Sinking Fund should have been accumulated upto 31st March 1978. The excesses in the Sinking Fund Investment Account is thus Rs. 2.

EDUCATION FUND

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

Revenue Budget 'E'	1977-78			Actuals for 1976-77.
	Budget Estimates	Revised Estimates.	Actuals.	
	Rs.	Rs.	Rs.	Rs.
Opening Balance. ..	+18,20,673	+50,33,942	+50,33,942	+21,239
Income. ..	20,60,62,690	21,04,92,928	21,80,35,760	18,34,38,345
Expenditure. ..	20,73,95,657	21,93,36,739	21,46,76,667	17,08,22,894
Surplus or Deficit (+) (—) during the year. ..	— 13,32,967	— 88,43,811	+ 33,59,093	+1,26,15,451
Balance. ..	+ 4,87,706	— 38,09,869	+ 83,93,035	+1,26,36,690
Decrease or Increase in reservation as shown in (ii) below. ..	..	..	— 34,07,311	— 76,02,748
Closing Balance. ..	+ 4,87,706 (Surplus)	— 38,09,869 (Deficit)	+ 49,85,724 (Surplus)	+ 50,33,942 (Surplus)

Statement showing the comparative position between the Revised Estimates and the Actuals for the year 1977-78.

Revenue Budget 'E'	Rs. in lakhs.		
	Revised Estimates for 1977-78.	Actuals for 1977-78.	Difference Increases (+) Decreases (—)
	Rs.	Rs.	Rs.
Opening Balance. ..	50.34	50.34	..
Income ..	21,04.93	21,80.36	+ 75.43 *
Expenditure. ..	21,93.37	21,46.77	— 46.60 **
Surplus/Deficit. (+) (—) ..	— 38.10	+ 83.93	+ 122.03

* This increase is due to excess collection as shown below:—

	Rs.
1. Education Cess	51 lakhs
2. Grant-in-aid from Govt.	11 lakhs
3. Rent and other, proceeds	1 lakh
4. Interest and profit.	11 lakhs
5. Miscellaneous Receipts.	1 lakh
Total :	75 lakhs

** The shortfall is due to the entire liability not fully booked during the year.

(ii) The details of Reservation of Advances etc., are as under :—

Increase/Decrease (+) (—)	1977-78	1976-77
	Rs.	Rs.
In Miscellaneous Advances.	— 29,42,639	+ 80,92,748
In Renewed Grants.	+ 63,50,000	+ 4,90,000
Net Increase or Decrease. (+) (—)	+ 34,07,311	+ 76,02,748

(iii) The net unhyponthicated Surplus Cash Balance on 31st March 1978 was as under :—

Liability		Assets	
	Rs.		Rs.
Miscellaneous Advances..	92,96,065	Surplus Revenue Fund as per Appendix No. 31.	1,42,81,789
Minimum required by Law	20,000		
Surplus Cash Balance. . .	49,65,724		
	1,42,81,789		1,42,81,789

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

Outstanding Debt on 1st April 1977.	Loan raised during the year	Repayment of Debt during the year	Outstanding Debt on 31st March 1978.
Rs.	Rs.	Rs.	Rs.
11,56,00,000	2,50,00,000	50,00,000	13,55,00,000

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

Amount of fund on 1st April 1977.	Interest etc. realised	Sinking Fund instalments	Total Sinking Fund	Withdrawal for Repayment of Loans.	Amount of Fund on 31st March 1978
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,77,69,469	14,38,265	35,82,022	3,27,89,756	50,00,000	2,77,89,756

The value of securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1978 including accrued interest and Cash exceeded the actuarial amount of the Sinking Fund by Rs. 85,60,441 which is held in the Sinking Fund Account.

INCOME

(vi) The estimated Income for the year was Rs. 20,60,62,690 and that as per the Revised Estimates was Rs. 21,04,92,928. The actuals amounted to Rs. 21,80,35,760 resulting in increase of Rs. 1,19,73,070 and Rs. 75,42,832 on Budget Estimates and revised Estimates respectively. The increase in Income is mainly due to the additional Special Contribution drawn from Budget 'A' (to cover the day to day raising Expenditure and to meet the outstanding liabilities under Budget 'E') and Education Cess and decrease in Government Grant-in-Aid. The rates of Education Cess were varying from 1/2 per cent to 5 per cent on slab basis of Rateable value of Buildings and Lands.

EXPENDITURE

(vii) The final sanctioned grants in aggregate amounted to Rs. 24,10,23,441 as follows :—

	Rs.
Budget Grant	20,73,95,657
Unexpended Grants for previous years renewed for Expenditure.	1,11,50,000
Additional Grants	2,24,77,784
Final sanctioned Grants	24,10,23,441

The transfers from one Budget Grant to another without affecting the total Budget Provision of the year amounted to Rs. 7,05,600.

(viii) Against the final grant of the year aggregating to Rs. 24,10,23,441 as stated above the Actuals amounted to Rs. 21,46,76,667 leaving an unexpended balance of Rs. 2,63,46,774 at the close of the year. Of this a sum of Rs. 1,75,00,000 is being renewed for expenditure during 1978-79 against Rs. 1,11,50,000 in 1977-78 and balance of Rs. 88,46,774 is being allowed to lapse as savings.

(ix) The percentage of Establishment cost inclusive of Expenditure on Dearness Allowance, Provident Fund and Pension Fund etc., charges to the total expenditure for 1977-78 as compared with the previous year's percentage is given below :—

Establishment	Establishment Cost.	Percentage to total expenditure during	
		1977-78	1976-77
	Rs.	Rs.	Rs.
(1) Supervisory and Subordinate ..	15,86,96,495	73.92	75.36
(2) Labour : Technical and Others	1,49,98,988	6.99	8.12
Total ..	17,36,95,483	80.91	83.48

LOAN FUNDS

(x) The Opening Balance on 1st April 1977 on account of Loan Funds excluding the Trust Fund was Rs. 10,12,161. The amount of new loan proposed in the Budget for 1977-78 was Rs. 200 lakhs. A loan of Rs. 250 lakhs was raised during the year. The total loan fund available for expenditure during the year thus amounted to Rs. 2,60,12,161.

The expenditure incurred on loan works during the year amounted to Rs. 2,46,50,867 leaving an unexpended balance of Rs. 13,61,294 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.	Rs.	
1975-76 ..	3,26,15,550	3,01,66,600	1,98,95,981	61	66
1976-77 ..	3,84,65,900	4,08,75,570	1,92,08,919	50	47
1977-78 ..	5,09,52,000	5,09,39,900	2,46,50,867	48	48

The percentage of actual expenditure to the funds available works out to 95.

SINKING FUND

(xii) The book value of investments of Sinking Funds on 31st March, 1978 amounted to Rs. 2,77,89,756 made up of Rs. 2,77,89,752 in securities and Rs. 4 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 1978 comes to Rs. 2,78,12,480. Thus, together with the amount of interest accrued upto 31st March 1978, viz., Rs. 4,94,693 and Cash with the State Bank of India of Rs. 4 brings the total amount of Sinking Fund to Rs. 2,83,07,177 and more than covers the amount of Rs. 1,97,46,736 to which the Sinking Fund should have accumulated upto 31st March 1978. The excess in Sinking Fund Account was Rs. 85,60,441.

INVESTMENT

(xiii) The total amount invested during the year in Fixed Deposit was Rs. 58,06,000 and the aggregate average rate of interest thereon was 8.11 per cent, as against 7.98 per cent in the preceding year. The interest earned during the year amounted to Rs. 3,51,584 as against Rs. 5,63,630 for 1976-77.

The details of investments in Fixed Deposits are separately given below :—

Deposits.	Amount.	Interest earned during the year.	Average rate of interest per annum.
	Rs.	Rs.	Rs.
Fixed Deposits.	58,06,000	3,51,584	8.11%

M. V. KANEKAR,
Chief Accountant.

APPENDICES
MUNICIPAL ACCOUNT
(Budget 'A')

- No. 1.—General Financial Statistics. (Consolidated)
- No. 2.—Revenue Account Budget 'A' for the year ended 31st March 1978 (Consolidated).
- No. 5.—Revenue Account Budget 'A' Balance Sheet as at 31st March 1978 (Consolidated).
- No. 7.—Capital Fund Budget 'A' Balance Sheet as at 31st March 1978 (Consolidated).
- No. 8.—Capital works Expenditure Budget 'A' (Summary).
- No. 11.—Out standing Balances of loans on 31st March 1978 pertaining to Budget 'A' (Consolidated).
- No. 15.—Statement showing the amount of the receipts and expenditure respectively credited and debited to the Municipal Fund during the year 1977-78 and the balance to the credit of the fund at the close of the year 1977-78 (i.e. 31st March 1978), City, Suburbs and Extended Suburbs;

IMPROVEMENT SCHEMES ACCOUNT
(Budget 'B')

- No. 22.—General Account for the year ending 31st March 1978.
- No. 22A.—Slum Clearance (City) General Account for the year ending 31st March 1978.
- No. 22B.—Slum Clearance (Suburbs and Extended Suburbs) General Account for the year ending 31st March 1978.
- No. 22C.—Slum Improvement General Account for the year ending 31st March 1978.
- No. 25.—Capital Account Balance sheet as on 31st March 1978.
- No. 25A.—Capital Account Balance sheet as on 31st March 1978 Slum Clearance (City).
- No. 25B.—Capital Account Balance sheet as on 31st March 1978 Slum Clearance (Suburbs and Extended Suburbs).
- No. 25C.—Capital Account Balance sheet as on 31st March 1978 Slum Improvement.
- No. 26.—Capital works Expenditure Imp. Schemes. (Summary).
- No. 26A.—Capital Works Expenditure Slum Clearance (City) (Summary).
- No. 26B.—Capital Works Expenditure Slum Clearance (Suburbs and Extended Suburbs.) (Summary).
- No. 26C.—Capital Works Expenditure Slum Improvement.
- No. 29.—Statement showing outstanding Balances of Loans on 31st March 1978. Pertaining to Budget 'B'.
- No. 30C.—Statement showing position of Housing Loans granted to the consolidated Co-operative Housing Societies of the Municipal employees, as on 31st March 1978.

EDUCATION FUND
(Budget 'E')

- No. 31.—Revenue Account for the year ended 31st March 1978.
- No. 34.—Revenue Account Balance Sheet as at 31st March 1978.
- No. 35.—Capital Fund Balance Sheet as at 31st March 1978.
- No. 36.—Statement showing Capital Works Expenditure upto 31st March 1978.
- No. 37.—Outstanding Balances of Loans on 31st March 1978 pertaining to Education Fund (Budget 'E').
- No. 40.—Statement showing the amounts of receipts and expenditure respectively credited and debited to the Education Fund during the year 1977-78 and the balance at the credit of the fund at the close of the year 1977-78, (i.e. 31st March 1978).

APPENDIX No. 1

General Financial Statistics.

Particulars.	1973-74	1974-75.	1975-76.	1976-77.	1977-78.
<i>General</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	437,4359	438,2647	438,2763	438,1963	438,1963
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.	98,76,66,793	1,06,00,36,477	1,20,63,57,032	1,34,32,51,792	1,36,11,55,271
4. Rateable value Rs. per head of population.	Rs. 165.42	Rs. 177.54	Rs. 202.05	Rs. 224.98	Rs. 227.98
Properties registered in the Assessment Book	2,22,494	2,24,598	2,27,882	2,19,351	2,17,461
<i>Income</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
6. General Tax (@24% of R.V.) ...	20,26,54,257	20,93,28,261	24,52,81,650	26,89,11,723	30,22,69,649
7. Income from other sources ...	50,61,29,376	40,57,36,440	45,87,59,475	65,67,08,566	1,01,98,50,804
Total Income	70,87,83,633	61,50,64,701	70,40,41,125	92,56,20,289	†1,32,21,20,453
8. Incidence of Taxation per head	100.73	§§ 81.98	§§ 95.50	§§ 130.42	§§ 142.99
<i>Loans</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	1,41,73,21,925	†61,62,55,427	67,83,68,419	83,25,96,283	1,03,85,04,450
10. Redemption and Sinking Funds in hand or invested ...	40,73,74,073	†21,05,84,878	17,89,12,846	20,58,42,401	25,69,70,703
11. Net Loan Debt ...	1,00,99,47,852	†40,56,70,549	49,94,55,573	62,67,53,882	78,15,33,747
12. Net Debt per head of population ...	169.15	† 67.94	83.65	104.97	130.99
<i>Expenditure</i>					
	Rs.	Rs.	Rs.	Rs.	Rs.
13. Water Works—					
Maintenance ...	4,59,62,564	†† ...	†† ...	††...	††...
Debt Charges ...	6,94,41,517	†† ...	†† ...	††...	††...
14. Primary Education ...	9,25,20,234	8,09,19,561	12,40,72,203	12,15,73,726	14,10,33,928
15. Medical Relief ...	10,89,68,776	12,96,88,026	18,11,70,570	18,31,80,725	21,41,48,410
16. Other City services ...	35,37,84,608	32,61,48,163	37,54,83,857	44,81,06,451	89,12,80,286
17. Debt Charges ...	6,19,07,813	5,48,69,727	6,21,17,289	7,27,09,990	8,02,71,687
Total Expenditure ...	73,25,85,512	59,16,25,477	74,28,43,919	82,55,70,892	†1,32,67,34,311

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

†† Service Head transferred to Budget 'G'.

§§ Incidence of Taxation per head of population exclusive of water Tax, Halalkhore Tax and Education cess.

† Reduced on account of transfer to Budget G.

‡ Inclusive of contribution from Budget 'A' part I to part II.

APPENDIX No. 2.

(Consolidated)

Revenue Account for the year ended 31st March 1978

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure	1,32,67,34,311.63		By Revenue Receipts	1,32,21,20,453.68	
			By Deficit for the year	46,13,857.95	
	1,32,67,34,311.63			1,32,67,34,311.63	
	Rs.	P.		Rs.	P.
To Revenue Expenditure to be incurred in 1978-79 and provided for as renewed grants	6,50,00,000.00		By Surplus Revenue Fund as at 1st April 1977		14,50,88,969.62
		6,50,00,000.00	By Deficit for the year		46,13,857.95
To Balance being Surplus Revenue Fund as at 31st March 1978 as per Appendix No. 5 of Division I	+59,12,20,454.06				14,04,75,111.67
" II	-32,03,23,162.58		By Revenue of previous years reserved for the year 1977-78	5,25,00,000.00	
" III	-14,29,22,179.81				5,25,00,000.00
		12,79,75,111.67			19,29,75,111.67
		19,29,75,111.67			19,29,75,111.67

Appendix No. 5

(Consolidated)

Revenue Account, Balance Sheet as at 31-3-1978

LIABILITIES	AMOUNT				ASSETS	AMOUNT			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
(A) Outstanding liabilities					Deposit in G. P. Notes with S. B. I.			Rs. 20,20,000.00	
Cash Bt outstanding					Deposit in G. P. Notes with C. Rly.			1,02,54,039.95	
Budget 'A' Div. I ..	3,06,743.62				Cash at Bank—				
" II ..	1,34,914.51				Div. I Credit ..	3,70,13,862.76			
" III ..	1,26,178.02			5,67,836.15	Div. II Credit ..	61,36,549.53			
					Div. III ..	36,52,733.63			Cr. 3,94,97,677.92
Budget payable A/c.					Cash in Office—				
Budget 'A' Div. I ..	1,71,39,712.27				Div. I ..	5,65,58,485.52			
" II ..	45,88,429.67			2,73,65,375.47	Div. II ..	1,43,08,076.18			
" III ..	56,33,733.01				Div. III ..	18,44,379.28			7,27,10,940.98
					Municipal Loans-Interest Warrant payable Account				
Stores purchase outstanding A/c.			10,11,222.79		Budget 'A' Div. I ..	44,802.55			
Stock Adjustment A/c. ..			1,51,087.49		" II ..	10,642.25			
Outstanding charges for 1976-77 and previous years					" III ..	244.00			53,688.80
Budget 'A' Div. I ..	3,25,00,000.00				B.I.T. Loans Interest Warrant payable Account				6,04,458
" II ..	2,90,00,000.00			6,50,00,000.00	Interest on B.I.T. Loans payable Account				760.00
" III ..	1,25,00,000.00				Current Account with State Bank of India for payment of interest on Suburban Loans				
Outstanding charges in respect of Interest Accrued but not paid					Budget 'A' Div. II ..	74.22			
Budget 'A' Div. I ..	58,30,145.48				" III ..	1,83,509.29			1,83,589.51
" II ..	44,80,288.74			1,26,94,276.50	Current Account with State Bank of India for repayment payable A/c.				10,500.00
" III ..	23,83,842.88				Interest Receivable Account ..				9,50,00.00
Deposit in Cash and Public Securities from contractors and Private Parties					Due for Stores Sold ..				2,84,96,246.19
Budget 'A' Div. I ..	24,02,81,222.92				Advances Recoverable Account				
" II ..	15,11,57,716.10			45,05,40,392.94	Budget 'A' Div. I ..	14,77,07,950.40			
" III ..	5,91,01,453.92				" II ..	4,90,1,667.70			
Interest on loans payable A/c.					" III ..	1,36,49,664.18			21,12,58,381.28
Budget 'A' Div. I ..	3,55,845.66			6,21,701.30	Contribution receivable from Budget Reserve Stores purchase A/c.				63,771.79
" II ..	1,38,382.57				Deposit in Securities from public with State Bank of India				
" III ..	1,77,472.77				Budget 'A' Div. I ..	65,71,050.00			
Amount Payable to Budget 'E' ..			1,48,40,314.77		" II ..	7,01,790.12			
Amount Payable to Budget 'G' ..			28,65,11,159.72		" III ..	3,86,750.00			76,59,590.12
Amount of accumulated Revenue Surplus Payable by Budget 'A' to Budget 'G'			5,66,42,219.54		In Office				
					Budget 'A' Div. I ..	2,75,600.00			
					" II ..	3,59,810.00			
					" III ..	7,01,540.00			13,36,950.00
Total—Outstanding Liabilities			11,59,45,586.63		Investment in Securities, Fixed Deposit & Current A/c. ..				54,10,59,510.50
					Investment of Surplus Monies in Public Securities ..				38,013.14
					Advance from Surplus Monies for levelling metalling of Private Streets				31,95,170.45
					Accumulated Revenue Surplus of Water Works Account as on 31-3-1974				5,66,42,219.54
					Capital Stores Purchase A/c.				67,34,815.97
					Unadjusted Reserve Stores A/c. Stock				1,20,64,662.02
					Unadjusted Reserve Stores A/c. Stores (F. R.)				7,02,325.00
					Unadjusted amount of Supn. Ch. on Cap. works payable by Bu. 'E' to D. A. (Subs.) transferred from Div. II to Div. I.				40.00
Total C. F.			91,59,45,586.63		Total C. F.				91,59,45,586.63

Appendix No. 5—Contd.

(Consolidated)

LIABILITIES	AMOUNT				ASSETS	AMOUNT			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total B.O. ...			91,59,45,586.63		Total B.O....			91,59,45,586.63	
(B) Special Fund Account-					Investment of Special Funds in Advance for purchase of Plant and Machinery				
Municipal Fire and Accident Insurance Fund A/c. ...			48,49,536.52		Advance from Net Premia Fund for Municipal Printing Press			3,309.57	
Net Premia Fund Account ...			18,31,537.33		Municipal Fire & Accident Insurance Fund			17,78,322.53	
Provident Fund Account ...			41,75,00,749.50		Net Premia Fund			9,67,991.75	
Hospital Fund Account					Hospital Fund			7,76,390.64	
Budget 'A' Div. I ..	20,14,383.72				Land R. A. Fund			56,41,493.99	
" II ..	1,41,691.87				Total—Advances			91,57,588.46	
" III ..	94,500.00		22,50,575.59		Investment of Special Funds in Securities.				
Welfare Fund			5,34,602.00		Provident Fund			1,75,00,677.81	
G. S. M. Collae K. E. M. Hospital Research Fund A/c.			4,09,088.12		Fidelity Guarantee Ins. Fund			6,83,000.00	
Fidelity Guarantee Insurance Fund A/c. ...			6,83,070.88		Motor Vehicles (Third Party) Ins. Fund			9,43,600.00	
Motor Vehicles (Third party) Insurance Fund A/c. ...			9,93,619.74		Endowment Fund			13,58,184.29	
Land R. A. Fund Account			1,37,32,350.19		Public Monument Maintenance Fund				
Pension Fund Account			19,59,38,485.28		Budget 'A' Div. I ..	1,22,820.44			
Gratuity Fund Account			1,43,86,572.32		" II ..	16,300.00		1,39,120.44	
Public Monument Maintenance Fund Account					Hospital Fund				
Budget 'A' Div. I ..	1,22,917.44				Budget 'A' Div. II ..	1,41,600.00			
" II ..	16,317.94		1,39,230.38		" III ..	94,500.00		2,36,100.00	
Endowment Fund Account			13,89,896.44		Total—Inv. in Securities			42,08,60,682.54	
Fire Brigade Employees (Operational Staff) Accident Compensation Fund			1,24,255.00		Investment of Special Funds in Fixed Deposit and Cash etc.				
Development Fund for Secondary Schools			15,93,804.81		Municipal Fire and Accident Insurance Fund			30,81,213.99	
Tree Authority Fund			9,61,002.68		Net Premia Fund			8,60,156.03	
Total Special Fund A/c. ...			65,73,18,376.78		Provident Fund			71.69	
					Hospital Fund				
					Budget 'A' Div. I ..	12,37,993.08			
					" II ..	91.8.		12,38,084.95	
Total C.F. ...			1,57,32,63,963.41		Total C.F. ...			51,79,526.66	
					Total C.F. ...			91,59,45,586.63	

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

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
Total B. O....			Total B. O. ...		91,59,45,586.63
		1,57,32,63,963.41	Total B. O....		51,79,526.66
			Welfare Fund		5,34,602.00
			G. S. M. College and K. E. M. Hospital Research Fund ..		4,09,088.12
			Fidelity Guarantee Insurance Fund		70.38
			Land R. A. Fund		80,90,856.20
			Motor Vehicle (Third Party) Insurance Fund ..		50,019.74
			Pension Fund ..		19,59,38,485.28
			Gratuity Fund ..		1,43,86,572.32
			Endowment Fund ..		31,712.15
			Public Monuments Maintenance Fund, Budget 'A' Div. I ..	92.00	
			" " II ..	17.94	
			Fire Brigade Employees (Operational Staff) Accident Compensation Fund ..		109.94
			Development Fund for Secondary Schools ..		1,24,255.00
			Tree Authority Fund ..		15,93,804.81
			Total Investment in Fixed Deposits and in Cash ..		9,61,002.68
(C) Surplus Revenue Fund A/c.			Total Investment Special Fund ..		22,73,00,105.78
Budget 'A' Div. I ..	59,12,20,454.06		Total Investment Special Fund ..		65,73,18,376.78
Deficit " " II ..	32,03,23,162.58		Investment of Surplus Revenue Fund		
Deficit " " III ..	14,29,22,179.81		Reserve Stores & Line Suspense Account Stock—(App. 14D) ..		35,89,173.24
		12,79,75,111.67	Plant & Machinery Purchased out of S.C.B. Budget 'A' Div. III ..	11,576.33	11,576.33
			Advances out of S.C.B. Budget 'A' Div. I ..	3,98,07,854.82	
			" " II ..	3,12,59,259.94	
			" " III ..	1,51,74,118.28	
			Investment in Paper Deposit and Cash ..		8,62,41,233.04
			Total Surplus Revenue Fund ..		3,81,33,129.06
Grand Total...		1,70,12,39,075.08	Grand Total ..		12,79,75,111.67
					1,70,12,39,075.08

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 ..	13,77,43,000.00	33,10,42,200.00	4,95,10,854.62	2,15,834.94	51,85,11,889.56
Division II ..	2,13,87,727.20	...	2,26,77,631.75	64,597.17	4,41,29,956.12
Division III ..	1,22,51,300.00	..	42,74,413.17	25,080.79	1,65,50,793.96
Total ..	17,13,82,027.20	33,10,42,200.00	7,64,62,899.54	3,05,512.90	57,91,92,639.64

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

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1977.				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1977-78				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1978.			
	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. ..	2,79,60,593	72,01,403	40,41,401	3,92,03,397	44,74,525	19,57,384	1,00,185	65,32,094	3,24,35,118	91,58,787	41,41,586	4,57,35,491
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. ..	13,46,512	67,040	..	14,13,552	2,17,923	..	..	2,17,923	15,64,435	67,040	..	16,31,475
V.—Public Health Department ..	1,48,14,994	22,86,537	16,35,900	1,87,37,431	14,24,005	9,77,401	10,412	24,11,818	1,62,38,999	32,63,938	16,46,312	2,11,49,249
VI.—Medical Relief & Education ..	10,73,98,072	3,19,31,181	1,71,78,658	15,65,07,911	46,76,601	46,39,426	31,79,900	1,24,95,927	11,20,74,673	3,65,70,607	2,03,58,558	16,90,03,838
VII.—Street Cleansing and Conservancy ..	1,70,59,044	25,88,445	67,97,686	2,64,45,175	16,39,917	29,92,023	20,83,589	67,15,529	1,86,98,961	55,80,468	88,81,275	3,31,60,704
VIII.—Roads, S. W. Drains etc. ..	25,45,67,035	20,74,59,081	9,48,84,433	55,69,10,549	46,36,692	1,09,13,089	62,61,906	2,18,11,687	25,92,03,727	21,83,72,170	10,11,46,339	57,87,22,236
IX.—Mechanical ..	37,11,597	50,501	17,075	37,79,173	..	..	..	..	37,11,597	50,501	17,075	37,79,173
X.—Bldgs, Land Acqn. etc. ..	9,40,38,847	3,06,52,259	66,69,937	13,13,61,043	47,90,064	11,94,511	9,33,005	69,17,580	9,88,28,911	3,18,46,770	76,02,942	13,82,78,623
XI.—Fire Brigade ..	81,27,981	15,55,686	40,02,064	1,36,85,731	10,44,877	10,114	3,31,376	13,86,367	91,72,858	15,65,800	43,33,440	1,50,72,098
XIII.—Gardens & Open Spaces ..	1,95,94,572	59,61,719	34,15,662	2,89,71,953	18,52,761	12,44,224	14,28,447	45,25,432	2,14,47,333	72,05,943	48,44,109	3,34,97,385
XIV.—Markets & Slaughter Houses ..	8,47,15,239	1,15,47,981	18,73,344	9,81,36,564	31,45,141	47,10,450	9,32,996	87,88,587	8,78,60,380	1,62,58,431	28,06,340	10,69,25,151
XV.—Slum Service ..	50,75,492	39,36,181	11,41,149	1,01,52,822	..	..	..	..	50,75,492	39,36,181	11,41,149	1,01,52,822
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 ..	96,63,773	80	..	96,63,853	1,99,355	..	..	1,99,355	98,63,128	80	..	98,63,208
XXIII.—Traffic Operations ..	1,64,12,208	3,49,66,485	1,68,44,206	6,82,22,899	1,83,70,923	2,96,49,894	2,02,83,869	6,83,04,686	3,47,83,131	6,46,16,379	3,71,28,075	13,65,27,585
XXIV.—Measures for control of air pollution in Greater Bombay.												
Suspense Account, Mechanical Transport ..	24,000	47,36,754	..	47,60,754	3,28,755	..	..	3,28,755	3,28,755	..	..	3,28,755
Plant and Machinery out of defferent Special Funds ..	1,45,74,607	1,21,93,109	3,74,134	2,71,41,850	Cr. 54,24,383	..	..	Cr. 54,24,383	91,50,224	1,21,93,109	3,74,134	2,17,17,467
Plant and Machinery out of Loan Funds ..	1,82,47,955	32,18,407	2,40,839	2,17,07,201	2,10,13,939	40,05,558	8,02,403	2,58,21,900	3,92,61,894	72,23,965	10,43,242	4,75,29,101
Centenary Celebration Works ..	..	9,68,828	1,875	9,70,703	..	11,47,858	5,40,759	16,88,617	..	21,16,686	5,42,634	26,59,320
Discount & Other charges on Loans ..	3,60,237	..	45,223	4,05,460	Cr. 96,381	Cr. 34,46,557	..	Cr. 35,42,938	2,63,856	Cr. 34,46,557	45,223	Cr. 31,31,478
Total (1) Loan Fund ..	70,09,58,987	36,14,45,701	15,91,63,586	1,22,15,68,274	6,23,47,328	6,26,06,212	3,68,88,847	16,18,42,387	76,33,05,315	42,40,51,913	19,60,52,433	1,38,34,10,661
(2) Trust Fund												
Works executed ..	83,21,989	3,27,408	..	86,49,397	1,840	..	..	1,840	83,23,829	3,27,408	..	86,51,237
Land Bldg. Fund ..	43,03,044	..	..	43,03,044	..	..	..	..	43,03,044	..	..	43,03,044
Land purchased and Buildings erected ..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total ..	71,35,84,020	36,17,73,109	15,91,63,586	1,23,45,20,715	6,23,49,168	6,26,06,212	3,68,88,847	16,18,44,227	77,59,33,188	42,43,79,321	19,60,52,433	1,39,63,64,942

APPENDIX No. 11.
(CONSOLIDATED)

Outstanding Balances of Loans on 31st March 1978 pertaining to Budget 'A'

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan, Balance on 31st March 1978.	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1978.
1	2	3	4	1	2	3	4
			Rs.				Rs.
	BUDGET 'A' DIV. I				BUDGET 'A' DIV. II		
	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	4½%	10,00,000.00
2	Rs. 61 lakhs Loan 1948-49	3%	61,00,000.00	43	Rs. 50 lakhs Loan 1961-62	4½%	50,00,000.00
3	Rs. 125 lakhs Loan 1949-50	3½%	88,14,500.00	44	Rs. 50 lakhs Loan 1963-64	4½%	50,00,000.00
4	Rs. 80 lakhs Loan 1950-51	3½%	80,00,000.00	45	Rs. 70 lakhs Loan 1964-65	4½%	70,00,000.00
5	Rs. 130 lakhs Loan 1956-57	4%	1,30,00,000.00	46	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
6	Rs. 100 lakhs Loan 1957-58	4½%	1,00,00,000.00	47	Rs. 75 lakhs Loan 1966-67	5½%	75,00,000.00
7	Rs. 100 lakhs Loan 1958-59	4½%	1,00,00,000.00	48	Rs. 50 lakhs Loan 1966-67	6%	50,00,000.00
8	Rs. 170 lakhs Loan 1960-61	4½%	1,70,00,000.00	49	Rs. 45 lakhs Loan 1967-68	6%	45,00,000.00
9	Rs. 225 lakhs Loan 1961-62	4½%	2,25,00,000.00	50	Rs. 50 lakhs Loan 1967-68	6%	50,00,000.00
10	Rs. 150 lakhs Loan 1962-63	4½%	1,50,00,000.00	51	Rs. 75 lakhs Loan 1968-69	6%	82,50,000.00
11	Rs. 235 lakhs Loan 1963-64	4½%	2,35,00,000.00	52	Rs. 50 lakhs Loan 1968-69	6%	50,00,000.00
12	Rs. 100 lakhs Loan 1964-65	4½%	1,00,00,000.00	53	Rs. 100 lakhs Loan 1969-70	6%	1,10,00,000.00
13	Rs. 300 lakhs Loan 1965-66	6%	3,00,00,000.00	54	Rs. 220 lakhs Loan 1970-71	6%	2,42,00,000.00
14	Rs. 200 lakhs Loan 1965-66	6%	2,00,00,000.00	55	Rs. 170 lakhs Loan 1970-71	6%	1,87,00,000.00
15	Rs. 250 lakhs Loan 1966-67	5½%	2,50,00,000.00	56	Rs. 350 lakhs Loan 1971-72	6%	3,85,00,000.00
16	Rs. 400 lakhs Loan 1966-67	6%	4,00,00,000.00	57	Rs. 150 lakhs Loan 1972-73	6%	1,65,00,000.00
17	Rs. 250 lakhs Loan 1966-67	6%	2,50,00,000.00	58	Rs. 700 lakhs Loan 1972-73	6%	1,00,00,000.00
18	Rs. 2,90,95,000 Loan 1967-68	6%	2,90,95,000.00	59	Rs. 100 lakhs Loan 1973-74	6%	1,10,00,000.00
19	Rs. 200 lakhs Loan 1967-68	7%	2,00,00,000.00	60	Rs. 100 lakhs Loan 1973-74	6%	1,00,00,000.00
20	Rs. 800 lakhs Loan 1967-68	6%	8,00,00,000.00	61	Rs. 150 lakhs Loan 1974-75	6½%	1,65,00,000.00
21	Rs. 400 lakhs Loan 1968-69	6%	4,40,00,000.00	62	Rs. 100 lakhs Loan 1974-75	6½%	1,00,00,000.00
22	Rs. 300 lakhs Loan 1968-69	7%	3,00,00,000.00	63	Rs. 150 lakhs Loan 1975-76	6½%	1,65,00,000.00
23	Rs. 325 lakhs Loan 1968-69	6%	3,25,00,000.00	64	Rs. 250 lakhs Loan 1975-76	6½%	2,50,00,000.00
24	Rs. 6,15,98,000 Loan 1969-70	6%	6,15,98,000.00	65	Rs. 200 lakhs Loan 1976-77	6½%	2,20,00,000.00
25	Rs. 600 lakhs Loan 1969-70	7%	6,00,00,000.00	66	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00
26	Rs. 100 lakhs Loan 1970-71	6%	1,15,41,000.00	67	Rs. 250 lakhs Loan 1976-77	6½%	2,50,00,000.00
27	Rs. 370 lakhs Loan 1971-72	6%	4,07,00,000.00	68	Rs. 600 lakhs Loan 1977-78	6½%	6,00,00,000.00
28	Rs. 260 lakhs Loan 1972-73	6%	2,86,00,000.00		Total		40,91,50,000.00
29	Rs. 200 lakhs Loan 1972-73	6%	2,00,00,000.00		Less : Loan amount transferred to Budget 'C'		-4,73,89,455.00
30	Rs. 400 lakhs Loan 1972-73	6%	4,00,00,000.00		Total Div. II		36,17,60,545.00
31	Rs. 400 lakhs Loan 1973-74	6%	4,40,00,000.00		BUDGET 'A' DIV. III		
32	Rs. 250 lakhs Loan 1973-74	6%	2,50,00,000.00		Loans raised from Public		
33	Rs. 250 lakhs Loan 1974-75	6½%	2,50,00,000.00	69	Rs. 25 lakhs Loan 1957-58	4½%	25,00,000.00
34	Rs. 150 lakhs Loan 1974-75	6½%	1,65,00,000.00	70	Rs. 20 lakhs Loan 1958-59	4½%	20,00,000.00
35	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00	71	Rs. 10 lakhs Loan 1960-61	4½%	10,00,000.00
36	Rs. 100 lakhs Loan 1975-76	6½%	1,00,00,000.00	72	Rs. 25 lakhs Loan 1964-65	4½%	25,00,000.00
37	Rs. 225 lakhs Loan 1976-77	6½%	2,47,50,000.00	73	Rs. 50 Lakhs Loan 1965-66	6%	50,00,000.00
38	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00	74	Rs. 50 lakhs Loan 1966-67	5%	50,00,000.00
39	Rs. 400 lakhs Loan 1977-78	6½%	4,40,00,000.00	75	Rs. 40 lakhs Loan 1966-67	6%	40,00,000.00
40	Rs. 400 lakhs Loan 1977-78	7½%	4,00,00,000.00	76	Rs. 35 lakhs Loan 1967-68	6%	35,00,000.00
41	US \$ 4.54 Millions Loan from World Bank (IBRD) thro. BMRDA	9.2%	14,40,596.47	77	Rs. 20 lakhs Loan 1967-68	6%	20,00,000.00
	Total		1,05,46,39,096.47	78	Rs. 55 lakhs Loan 1966-67	6%	55,00,000.00
	Less : Loan amount transferred to Budget 'C'		-58,20,25,249.56	79	Rs. 75 lakhs Loan 1969-70	6%	82,50,000.00
	Total Div. I		47,26,13,846.91	80	Rs. 165 lakhs Loan 1970-71	6%	1,81,50,000.00
				81	Rs. 115 lakhs Loan 1970-71	6%	1,26,50,000.00
				82	Rs. 150 lakhs Loan 1971-72	6%	1,65,00,000.00
				83	Rs. 150 lakhs Loan 1972-73	6%	1,65,00,000.00
				84	Rs. 100 lakhs Loan 1972-73	6%	1,00,00,000.00
				85	Rs. 100 lakhs Loan 1973-74	6%	1,10,00,000.00
				86	Rs. 50 lakhs Loan 1973-74	6%	50,00,000.00
				87	Rs. 50 lakhs Loan 1974-75	6½%	55,00,000.00
				88	Rs. 50 lakhs Loan 1974-75	6½%	50,00,000.00
				89	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00
				90	Rs. 50 lakhs Loan 1975-76	6½%	50,00,000.00
				91	Rs. 150 lakhs Loan 1976-77	6½%	1,37,50,000.00
				92	Rs. 125 lakhs Loan 1976-77	6½%	75,00,000.00
				93	Rs. 75 lakhs Loan 1976-77	6½%	1,50,00,000.00
				94	Rs. 400 lakhs Loan 1977-78	6½%	4,40,00,000.00
					Total		23,78,00,000.00
					Less : Loan amount transferred to Budget 'C'		-4,27,64,342.00
					Total Div. III		19,50,35,658.00
					Grand Total Budget 'A'		1,02,94,10,049.91

Outstanding Balances of Advances taken from Special Funds under Budget 'A', as at 31st March 1978.

BUDGET 'A', Division I, Advance from—

	Rs.	Rs.
Municipal Fire and Accident Insurance Fund	17,68,322.53	
Net Premia Fund	9,67,991.73	
K. E. M. Hospital and G. S. M. College Research Fund		
Hospital Fund	7,76,390.64	
Land (Reclamation and Acquisition) Fund	56,41,493.99	
Less—Amount of the Advances transferred to Budget 'G'		91,54,198.89
Total—Outstanding balance of Advances as on 31st March 1978		-59,798.16
		90,94,400.73

APPENDIX—15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1977-78 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1978.

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I)								
RECEIPTS								
A) Revenue Account Receipts								
1. General Tax, Indirect Taxation and Miscellaneous Revenue								
A—General Tax.	15,62,09,903.29		10,03,70,258.51		3,97,89,487.75		29,63,69,649.55	
B—Octroi.	49,51,00,676.58		..		..		49,51,00,676.58	
BB—Theatre Tax	18,98,798.65		10,35,332.55		4,84,769.80		34,18,901.00	
C—Other Receipts								
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses	9,798.25		..		..		9,798.25	
(b) Grant-in-Aid in respect of Fines for Offences against the Law	14,18,635.26		..		..		14,18,635.26	
(c) Interest and Profit on Investment of Surplus Loan and Other Balances	1,55,23,002.20		20,59,241.29		3,63,466.21		1,79,45,709.70	
(d) Interest on Plant and Machinery Depreciation Fund	..		..		..		..
(e) Miscellaneous	65,21,031.92		10,71,956.88		4,75,160.17		80,68,148.97	
(f) Receipts on account of Municipal Journal	8,575.10		..		..		8,575.10	
D—Receipts on account of proportionate Cost of Collection of Education Cess	3,61,963.29		1,68,615.40		72,506.68		6,03,085.37	
B—Rebate from Govt. on account of collection of Education Cess	2,36,629.24		6,99,489.63		2,57,043.05		11,93,161.92	
	<u>67,72,89,013.78</u>		<u>10,54,04,894.26</u>		<u>4,14,42,433.66</u>		<u>82,41,36,341.70</u>	
3. Museums.	46,049.70		..		..		46,049.70	
4. Free Reading Rooms and Libraries.	1,54,24,500.48		2,484.77		2,160.00		1,54,29,145.25	
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service	28,95,142.33		4,49,622.02		4,36,529.19		37,81,293.54	
8. Roads, S. W. Drains etc.	..		816.73		13,378.50		14,195.23	
9. Mechanical.	3,00,215.59		56,881.84		..		3,57,097.43	
10. Buildings, Land Acquisition and Management.								
A—Sale Proceeds of Surplus Land.	..		..		..		..
B—Other Receipts.								
(a) Rent of Buildings.	32,25,433.98		4,13,738.89		33,043.95		36,72,216.82	
(b) Ground Rent.	6,23,833.99		7,127.40		1,322.75		6,32,284.14	
(c) Miscellaneous	94,16,416.31		1,63,31,670.50		47,83,506.04		3,05,31,592.85	
C—Contribution from Capital Funds on account of Special Land Acquisition Staff.	83,757.45		..		..		83,757.45	
	<u>1,33,49,441.73</u>		<u>1,67,52,536.79</u>		<u>48,17,872.74</u>		<u>3,49,19,851.26</u>	
11. Fire Brigade								
A—Fire Tax	96,94,104.67		59,28,597.35		24,58,151.43		1,80,80,853.45	
B—Other Receipts	68,645.67		7,781.11		4,466.00		80,892.78	
	<u>97,62,750.34</u>		<u>59,36,378.46</u>		<u>24,62,617.43</u>		<u>1,81,61,746.23</u>	

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.)								
12. Licensing, Removal of Encroachments on Public Streets, Administration of shops and Establishments Act, 1948								
A—Licences for Dangerous and Offensive Trades	60,35,281.57		31,01,938.10		18,16,791.02		1,09,54,010.69	
B—Removal on Encroachments on Public Streets etc.	63,90,256.52		12,24,419.39		3,09,317.00		79,23,992.91	
C—Receipts from Administration of Shops and Establishment Act	6,73,192.58		2,02,357.65		1,00,541.38		9,76,091.61	
D—Miscellaneous	21,87,492.73		6,61,913.91		1,34,069.94		29,83,476.58	
	<u>1,52,86,223.40</u>		<u>51,90,629.05</u>		<u>23,60,719.34</u>		<u>2,28,37,571.79</u>	
13. Gardens and Open Spaces.	11,11,019.36		2,56,980.75		1,42,106.32		15,10,106.43	
14. Markets and Slaughter Houses.	3,26,69,894.23		15,73,455.02		6,69,481.69		3,49,12,830.94	
15. Contribution from Capital Funds to Revenue Account of Loan Works Staff	17,04,835.38		15,53,020.64		9,65,704.57		42,23,560.59	
16. Extra Ordinary Receipts.	1,13,116.31		..		..		1,13,116.31	
17. Rebate from Govt. on Account of Collection of U.I.P. Tax.	..		..		571.48		571.48	
18. Transfer from the B. E. S. & T. Fund	3,00,97,779.34		..		..		3,00,97,779.34	
19. Receipts From Govt. on account of Urban Immoveable Property Tax.	..		2,548.13		4,344.81		6,892.94	
20. Rebate from Govt. on account of collection of House Repairs Cess	20,36,234.28		..		..		20,36,234.28	
21. Share in Entertainment Tax.	1,29,99,191.25		..		..		1,29,99,191.25	
23. Traffic Operations, Roads and Bridges.								
A—Wheel Tax,	1,51,06,397.58		54,01,674.03		13,50,706.79		2,18,58,778.40	
B—Contributions from Govt. in lieu of Tolls.	24,927.00		16,673.00		3,964.00		45,564.00	
C—Other Receipts	1,00,93,524.26		21,37,897.51		20,70,812.44		1,43,02,234.21	
D—Ferry Receipts	..		98,375.47		22,336.40		1,20,711.87	
	<u>2,52,24,848.84</u>		<u>76,54,620.01</u>		<u>34,47,819.63</u>		<u>3,63,27,288.48</u>	
Total—Part I	<u>84,03,10,256.34</u>		<u>14,48,34,868.47</u>		<u>5,67,65,739.36</u>		<u>1,04,19,10,864.17</u>	
Budget A (Part II)								
5. Public Health Department	28,02,512.45		11,07,292.18		4,38,946.67		43,48,751.30	
6. Medical Relief and Education	27,73,754.73		2,26,860.65		77,963.75		30,78,579.13	
Contribution from Part I	18,75,72,255.40		6,04,71,329.12		2,47,38,674.56		27,27,82,259.08	
Total—Part II	<u>19,31,48,522.58</u>		<u>6,18,05,481.95</u>		<u>2,52,55,584.98</u>		<u>28,02,09,589.51</u>	
Total (A) Revenue Receipts.	<u>1,03,34,58,778.92</u>		<u>20,66,40,350.42</u>		<u>8,20,21,324.34</u>		<u>1,32,21,20,453.68</u>	
(B) Capital Account Receipts								
Loan Funds—Capital Receipts								
Debt Principal—New Loans of 1977-78.	8,54,40,596.47		9,72,03,324.00		5,91,51,729.00		24,17,95,649.47	
Advance from Surplus Monies for Financing Loan Works Expenditure	Dr. 65,27,133.86		Dr. 29,70,860.42		Dr. 8,17,337.04		Dr. 1,03,15,331.32	
Advances from Surplus Monies for Purchase of Plant and Machinery	..		..		..		..
Advance from Loan fund for Purchase of Plant Machinery	..		34,46,556.74		1,54,207.16		36,00,763.90	
Total (B) Capital Receipts	<u>7,89,13,462.61</u>		<u>9,76,79,020.32</u>		<u>5,84,88,599.12</u>		<u>23,50,81,082.05</u>	
(C) Suspense Account Receipts								
I—Sinking and Special Fund Accounts								
Sinking Fund Account (Municipal)	5,45,50,793.89		1,78,21,029.09		1,02,23,908.25		8,25,95,731.23	
Special Fund Account	12,03,31,329.54		..		..		12,03,31,329.54	
Total—I (S.S.S. Funds)	<u>17,48,82,123.43</u>		<u>1,78,21,029.09</u>		<u>1,02,23,908.25</u>		<u>20,29,27,060.77</u>	
II—Paper and Cash Accounts.								
1. Sinking Fund.	4,49,62,877.14		87,68,715.68		429.76		5,37,32,022.58	
2. Special Funds.	7,50,00,357.02		..		..		7,50,00,357.02	
3. Surplus Fund.	22,05,59,426.76		3,28,19,393.74		1,00,47,012.62		26,34,25,833.12	
4. Loan Fund.	78.10		24.01		..		102.11	
State Bank of India and Other Local Banks on account of Sundry Deposits	99,07,80,916.93		17,89,75,468.53		7,45,60,163.73		1,24,43,16,549.19	
Total—II (Paper & Cash)	<u>1,33,13,03,655.99</u>		<u>22,05,63,601.96</u>		<u>8,46,07,606.11</u>		<u>1,63,64,74,864.83</u>	

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	3,09,10,29,397.95		23,43,89,086.57		8,54,73,543.07		3,41,08,92,027.59	
Reserve Stores Account	4,57,57,222.71						4,57,57,222.71	
Capital Stores Accounts	8,21,26,820.84						8,21,26,820.84	
Purchase of Petrol & Diesel Oil	29,11,406.40		12,64,371.56				41,75,777.96	
Advances to Public including Co. operatives for Housing purposes.	17,92,095.05						17,92,095.05	
Advances Departmental Works	55,75,935.39		18,50,087.94		2,83,425.41		77,09,448.74	
Advances Deptt. Works—Traffic Amenities.			6,18,289.90		40,336.44		6,58,626.34	
Advances Municipal Workshops	45,26,690.34						45,26,690.34	
Municipal Foundry	9,85,257.89						9,85,257.89	
Work Crushers	3,34,732.14						3,34,732.14	
Mechanical Transport	1,99,57,441.74		87,80,202.57				2,87,37,644.31	
Asphalt Plant	38,20,645.08						38,20,645.08	
Municipal Printing Press	83,09,617.41						83,09,617.41	
Rota Printing Unit	7,13,888.88						7,13,888.88	
Advances Private Works	4,96,039.20		68,804.57		3,771.22		5,68,614.99	
Advances Private Works—Traffic Amenities			Dr. 19,753.16		29,210.01		9,456.85	
Reinstatement of Trenches	Dr. 15,01,728.32		13,23,659.41		3,88,277.78		2,10,208.87	
Advances Special Funds, Welfare Fund	36,04,411.85						36,04,411.85	
Municipal Contractors	3,06,709.76		8,810.19		693.79		3,16,213.74	
Municipal Tenderers	5.40						5.40	
Sundry Advances, Miscellaneous	6,23,13,348.03		3,49,77,671.68		1,72,78,299.59		11,45,69,319.30	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings.	25,75,826.27				11,290.78		25,87,117.05	
Advances for conversion of Basket Privies etc.								
Advances to Municipal Officers	7,30,680.27		26,046.95		5,361.00		7,62,088.22	
Interest Accrued But Not Paid	4,69,270.83		9,32,465.28		3,89,322.92		17,91,059.03	
Interest receivable Account	6,50,000.00						6,50,000.00	
Provident Fund	5,47,22,333.16		88,16,278.08		35,99,158.42		6,71,37,769.66	
Welfare Fund	10,69,202.22						10,69,202.22	
Fines Fund	5,655.66						5,655.66	
Fidelity Guarantee Insurance Fund	5,708.15						5,708.15	
B.M.C. Loans Interest Warrants Payable A/c.	1,87,13,068.81		1,23,78,675.34		73,11,157.73		3,84,02,901.88	
Dishonoured Cheques	2,19,27,602.78		76,14,112.28		47,03,095.57		3,42,44,810.63	
Cash Bills Outstanding Accounts	3,47,025.73		22,409.61		7,079.81		3,76,515.15	
Cheques Payable	4,28,73,21,033.20		50,86,49,570.31		21,37,93,555.49		5,00,97,64,159.00	
Wages Deposit Account	2,18,44,755.56		56,20,242.54		23,27,408.18		2,97,92,406.28	
Loan Redemption Fund Municipal	2,93,48,100.60		65,39,382.00				3,58,87,482.60	
Repayment of Loans			34,60,618.00				34,60,618.00	
Interest on B.M.C. Loans Payable Account	3,06,913.88		51,803.50		93,813.75		4,52,531.13	
Municipal Power Laundry	42,50,098.27						42,50,098.27	
Advances from Surplus Monies for financing Loan Works Expenditure.	87,01,948.28		29,70,860.42		8,17,337.04		1,24,90,145.74	
Plant & Machinery Purchase out of Surplus cash Balance			21,819.76				21,819.76	
Pension Fund.	93,29,306.41						93,29,306.41	
Gratuities Fund.	35,05,862.91						35,05,862.91	
Amounts transferred within Bud. 'A' Divns.	15,12,98,293.70		23,49,79,887.02		12,17,28,905.06		50,80,07,085.78	
Amounts transferred to Budget 'G'.	54,49,99,182.35						54,49,99,182.35	
Improving Common House Gullies	36,516.00						36,516.00	
Contribution Receivable from Budget 'E'	8,62,15,977.25						8,62,15,977.25	
Advance for Deposit with outside bodies	195.00						195.00	
Unadjusted Reserve Stores Account stock.	2,29,21,628.15						2,29,21,628.15	
Halalkhore Services.			1,00,267.92		67,779.54		1,68,047.46	
Plant and Machinery Purchased out of Surplus Monies.	2,04,834.56						2,04,834.56	
Advances Spl. Funds for Purchase of Plant and machinery	55,43,145.08						55,43,145.08	
Municipal Debt Interest.			2,12,90,274.39		1,15,83,625.23		3,28,73,899.62	
Advances Suspense Account Accumulated surplus balance Payable by Budget 'A' and Budget 'G'	5,00,00,000.00						5,00,00,000.00	
Total III—(Other Susp.)	8,66,01,04,102.82		1,09,67,35,944.63		46,99,36,447.83		10,22,67,76,495.28	
Total (C) Suspense Receipts.	10,16,62,89,882.20		1,33,51,20,575.68		56,47,67,962.19		12,06,61,78,420.07	
Total Receipts Budget 'A'	11,27,86,62,120.73		1,63,94,39,946.42		70,52,77,885.65		13,62,33,79,955.80	

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.
BUDGET 'B' RECEIPTS					
(A) General Account Revenue.					
I Rent and other Proceeds of Properties.	1,30,00,34.23	1,15,58,239.61	24,00,299.08	5,97,074.51	2,75,56,447.43
II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act.	2,08,1371.00	..	..	..	2,08,13,571.00
IV Interest and Profit on Investments.	1,06,178.81	..	4,20,069.02	4,01,690.92	9,27,938.75
V Miscellaneous Receipts.	3,73,566.37	28,412.50	..	1,16,742.77	5,18,721.64
VI Grant Assistance from Govt. of India for Improvement Slums.	..	..	..	..	..
VII Appropriation from Capital Account to meet the deficit	33,26,655.64	..	34,61,280.58	34,15,179.81	1,52,03,116.03
Contribution from Budget 'A'	..	2,24,45,281.57	..	..	2,24,45,281.57
Total (A) General Account Revenue.	4,26,20,806.05	3,40,31,933.68	62,81,648.68	45,30,688.01	8,74,65,076.42
(B) Capital Account Receipts					
Sale Proceeds of Lands, Building etc.	7,83,258.91	..	..	84,436.32	8,67,695.23
New Loans raised during 1977-78.	2,75,00,000.00	..	50,00,000.00	50,00,000.00	3,75,00,000.00
Advances from Surplus Monies.	Dr. 21,74,814.42	..	..	..	Dr. 21,74,814.42
Reimbursement from Maharashtra Slum Improvement Board	..	1,87,41,156.00	..	..	1,87,41,156.00
Total (B) Capital Receipts	2,61,08,444.49	1,87,41,156.00	50,00,000.00	50,84,436.32	5,49,34,036.81
(C) Suspense Account Receipts					
I. Sinking and Special Funds Accounts					
(a) Sinking Fund Account.	69,25,904.19	3,64,534.00	16,56,549.13	12,71,409.12	1,02,18,396.44
(b) Investment Reserve Fund Accounts	13,40,945.17	..	..	..	13,40,945.17
(c) Rent Equalisation Fund Account	7,00,404.35	..	..	..	7,00,404.35
(d) Amenities Fund Account	2,31,574.11	..	..	..	2,31,574.11
Total I (S.S.S. Funds)	91,98,827.82	3,64,534.00	16,56,549.13	12,71,409.12	1,24,91,320.07
II Paper and Cash Account.					
(a) Sinking Fund.	28,93.59	183.47	307.17	98.86	29,513.09
(b) Capital Fund.	63.98	..	192.61	220.25	476.84
(c) Investment Reserve Fund.	13.48	..	..	..	13.48
(d) Rent Equalisation Fund.	69.40	..	..	..	69.40
(e) Amenities Fund.	26.31	..	..	..	26.31
Total II—(Papers & Cash)	29,096.76	183.47	499.78	319.11	30,099.12
III—Other Suspense Accounts.					
Loan Redemption Fund	15,84,290.90	..	1,63,319.65	94,051.40	18,41,661.95
B. I. T. Loans Interest Warrants Payable Account	7,911.65	..	..	..	7,911.65
Total—III (Other Susp.)	15,92,202.55	..	1,63,319.65	94,051.40	18,49,573.60
Total (C) Suspense Receipts	1,08,20,127.13	3,64,717.47	18,20,368.56	13,65,779.63	1,43,70,902.79
Total Receipts—Budget 'B'	7,95,49,374.67	5,31,37,807.15	1,31,02,017.24	1,09,80,903.96	15,67,70,106.02

APPENDIX—15—(contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' (Part I)								
EXPENDITURE								
A) Revenue Account—								
I—General Supervision, Collection of Revenue, etc.								
A—General Superintendence	3,58,12,482.80		30,99,927.02		12,74,017.38		4,01,86,427.20	
B—Collection of Revenue	1,82,97,481.19		55,36,684.29		23,76,351.24		2,62,10,516.72	
C—Upkeep of guarding of Municipal Offices	30,81,951.41		17,88,960.31		4,97,396.97		53,68,308.69	
D—General Stores	10,30,758.14		....		....		10,30,758.14	
E—Legal Department	19,36,167.64		56,981.87		23,460.39		20,16,609.90	
F—Miscellaneous Charges	15,18,038.03		66,53,966.37		27,34,988.00		1,09,06,992.40	
G—Election Expenses	10,83,471.07		....		....		10,83,471.07	
H—Provident Fund Charges	4,93,454.83		1,10,000.00		40,000.00		6,43,454.83	
I—Debt Charges	20,65,684.69		8,15,798.66		4,84,690.10		33,66,173.45	
J—Encouraging sports activities	2,17,397.46		..		..		2,17,397.46	
Deduct : Proportion of General Superintendence	Cr. 1,82,30,193.57		Cr. 53,50,530.72		25,70,917.45		Cr. 2,61,51,641.74	
	4,73,06,693.69		1,27,11,787.80		48,59,986.63		6,48,78,468.12	
III—Museums—								
A—Victoria and Albert Museum	1,87,997.59		....		....		1,87,997.59	
B—Provident Fund Charges	2,200.00		....		....		2,200.00	
C—Debt Charges .. .. .	..		....		....		....
	1,90,197.59		....		....		1,90,197.59	
IV—Free Reading Rooms and Libraries—								
A—Municipal Free Reading Rooms & Libraries	12,80,526.42		7,19,291.75		1,37,650.00		21,37,468.17	
B—Municipal High Schools	2,20,42,690.44		....		....		2,20,42,690.44	
C—Provident Fund Charges	11,500.00		....		....		11,500.00	
D—Debt Charges	1,31,934.68		1,805.36		....		1,33,740.04	
	2,34,66,651.54		7,21,097.11		1,37,650.00		2,43,25,398.65	
VII—Street Cleansing, Conservancy and Halalkhore Service—								
A—Street Cleansing and Conservancy	68,04,770.90		33,73,824.79		17,65,136.16		1,19,43,731.85	
B—Collection, Loading, Removal and Disposal of Town Refuse	5,85,78523.14		2,13,41,348.59		1,20,19,921.11		9,19,39,792.80	
C—Halalkhore Service	52,14,990.21		26,93,791.33		21,21,691.73		1,00,30,473.27	
D—Provident Fund Charges	5,52,820.02		1,21,000.00		35,000.00		7,08,820.02	
F—Debt Charges	9,38,168.44		5,74,271.02		7,78,271.73		22,90,711.19	
	7,20,89,272.71		2,81,04,235.69		1,67,20,020.73		11,69,13,529.13	
VIII—Roads, S.W. Drains and Public Lighting—								
A—General .. .. .	....		....		....		....
B—Maintenance of Roads .. .. .	....		....		....		....
C—Public Lighting .. .. .	....		....		....		....
D—Maintenance of S.W. Drains	1,28,23,102.64		49,61,138.09		14,74,267.25		1,92,58,507.98	
F—Provident Fund Charges .. .. .	....		15,000.00		5,000.00		20,000.00	
H—Debt Charges	3,48,089.29		6,50,296.78		12,08,646.15		22,04,032.22	
I—Proportionate Cost of Collection of Wheel Tax .. .. .	....		....		....		..
	1,31,68,191.93		56,26,434.87		26,87,913.40		2,14,82,540.20	
IX—Mechanical—								
A—Mechanical Engineer's Office Establishment	22,37,783.72		4,12,166.81		....		26,49,950.03	
B—Maintenance of Electric Installations .. .. .	....		1,97,889.03		54,784.91		2,52,673.94	
C—Provident Fund Charges	36,050.00		5,799.00		....		41,849.00	
D—Debt Charges	32,571.23		1,626.55		1,407.50		35,605.32	
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00		....		....		50,000.00	
	23,56,404.95		6,17,480.93		56,192.41		30,30,078.29	

APPENDIX—15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
X—Buildings, Land Acquisition and Management								
A—City Engineer's Central Office Establishment	24,76,416.20		19,66,235.29		6,38,524.25		50,81,175.74	
B—Inspection and Supervision of Private Buildings	27,47,611.31		12,44,544.96		53,224.10		40,45,380.37	
C—Architectural	2,29,339.00		.....		.....		2,29,339.00	
D—Land Acquisition and Management ..	31,36,791.19		2,72,100.36		31,847.66		34,40,739.21	
E—Inspection and Supervision of Factories, Workshops and Work Places.	2,21,324.02		1,42,902.14		83,377.90		4,47,604.06	
F—Industrial Estates	4,11,177.92		.....		.....		4,11,177.92	
G—Provident Fund Charges	1,06,346.00		50,000.00		20,000.00		1,76,346.00	
H—Debt Charges	34,39,654.64		21,53,840.00		6,45,482.74		62,38,977.38	
I—Proportionate cost on account of Central..			3,75,900.00		.....		3,75,900.00	
Central Planning Branch Proportionate Costs ..	Cr. —3,30,135.64		.....		.....		Cr. 3,30,135.64	
	1,24,38,524.64		62,05,522.75		14,72,456.65		2,01,16,504.04	
XI—Fire Brigade—								
A—Maintenance	70,30,980.95		14,41,858.40		3,30,754.42		88,03,593.77	
B—Provident Fund Charges	4,500.00		1,500.00		.....		6,000.00	
C—Pension, Gratuities and Compassionate Allowances.	6,510.00		.....		.....		6,510.00	
D—Proportion of General Supervision and Collection of Revenue.	5,30,735.13		1,41,640.00		72,191.38		7,44,566.51	
E—Debt Charges	15,77,888.63		8,017.02		3,89,918.43		19,75,824.08	
F—Contribution to Fire Brigade Employees ..	1,20,000.00		.....		.....		1,20,000.00	
	92,70,614.71		15,93,015.42		7,92,864.23		1,16,56,494.36	
XII—Licensing, Removal of Encroachments on Public Streets, Administration of shops and Establishment Act 1948 and Theatre Tax—								
A—Licensing Establishment	21,25,620.23		8,63,824.32		3,31,798.75		33,21,243.30	
B—Removal of Encroachment on Public Streets	23,46,007.87		11,06,133.09		4,55,839.40		39,07,980.36	
C—Administration of Shops and Establishment Act, 1948.	10,89,197.97		2,98,867.20		1,46,614.35		15,34,679.52	
D—Provident Fund Charges	1,01,500.00		40,000.00		25,000.00		1,66,500.00	
	56,62,326.07		23,08,824.61		9,59,252.50		89,30,403.18	
XIII—Gardens, Recreation Centres and Open Spaces								
A—Gardens	64,66,700.48		26,46,957.76		10,64,407.26		1,01,78,065.50	
B—New Gardens, Recreation Grounds, etc. ..	1,10,447.11		1,63,507.51		46,923.47		3,20,878.09	
C—Road side Trees .. .. .	.....		.....		.....		.....
D—Open Air Theatres	4,704.84		77,661.25		.....		82,366.09	
E—Swimming Pools	2,96,734.07		2,26,078.32		2,11,230.71		7,34,043.10	
F—Krida Kendra and Social Welfare Centres ..	2,29,412.41		.....		.....		2,29,412.41	
I—Social Welfare Centre at S.L. Barve Nagar, Ghatkopar.			28,758.33		.....		28,758.33	
J—Provident Fund Charges	40,348.00		4,000.00		1,500.00		45,848.00	
K—Debt Charges	12,54,844.52		5,95,144.44		3,71,356.93		22,21,345.89	
	84,03,191.43		37,42,107.61		16,95,618.37		1,38,40,917.41	
XIV—Markets and Slaughter Houses								
A—Markets and Slaughter Houses	2,74,12,707.29		32,16,490.50		8,53,796.11		3,14,82,993.90	
B—Provident Fund Charges	53,930.00		15,000.00		6,000.00		74,930.00	
C—Pension, Gratuities and Compassionate Allowance.	28,170.00		15,000.00		5,000.00		48,170.00	
D—Proportion of General Supervision ..	19,16,214.24		1,16,658.63		53,633.66		20,86,506.53	
E—Debt Charges	75,97,079.72		13,58,612.15		2,21,310.04		91,77,001.91	
	3,70,08,101.25		47,21,761.28		11,39,739.81		4,28,69,602.34	

APPENDIX—15—(contd)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
XV—Contribution to—								
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act.	1,18,90,966.00		61,02,063.00		28,20,542.00		2,08,13,571.00	
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act.	2,97,27,416.00		1,52,55,157.00		70,51,355.00		5,20,33,928.00	
(c) Budget 'E' (Special Contribution) under section 126C (c.1) of the Bombay Municipal Act.	8,90,00,000.00		.....		.....		8,90,00,000.00	
(d) Fines and Welfare Fund	16,74,629.82		.....		.....		16,74,629.82	
(e) Tree Authority Fund	13,44,558.00		.....		.....		13,44,558.00	
(g) Contribution to (Part-II)	18,75,72,255.40		6,04,71,329.12		2,47,38,674.56		27,27,82,259.08	
	32,12,09,825.22		8,18,28,549.12		3,46,10,571.56		43,76,48,945.90	
XVI—Miscellaneous—								
(a) Pension Fund .. .. .	.....		.....		.....		.....
(b) Gratuity Fund	10,79,722.90		4,03,160.00		1,22,000.00		16,04,882.90	
Deduct : Proportionate Share	34,680.00		15,000.00		5,000.00		54,680.00	
	10,45,042.90		3,88,160.00		1,17,000.00		15,50,202.90	
XVII—Measures for Civil Defence	94,806.91		.....		.....		94,806.91	
XVIII—Contribution to Bombay Building Repairs and Reconstruction Board.	2,10,00,000.00		.....		.....		2,10,00,000.00	
XX—Lump sum provision for payment of Centenary Gift.	303.00		.....		.....		303.00	
XXII—Lump Sum Provision for Staff contingencies, etc.	Cr- 304.00		.....		.....		Cr. 304.00	
XXIII—Traffic Operations, Roads and Bridges—								
A—General	23,59,158.62		20,48,771.62		6,20,808.17		50,28,738.41	
B—Traffic Planning and Operation	10,93,648.93		4,700.00		.....		10,98,348.93	
C—Road and Bridge Planning and Design	6,762.14		1,292.74		.....		8,054.88	
D—Road and Bridge Maintenance	5,49,30,700.22		2,27,51,038.22		1,23,11,477.02		8,99,93,215.46	
F—Provident Fund Charges	1,12,215.92		89,000.00		20,000.00		2,21,215.92	
E—Rebate on account of compounded wheel tax permissible under section 183 of the B.M.C. Act	30,000.00		.....		.....		30,000.00	
G—Debt Charges	1,52,03,867.40		2,00,14,073.04		97,91,007.35		4,50,08,947.79	
H—Proportionate Cost of Collection of Wheel Tax.	6,27,293.85		2,57,186.64		1,18,084.00		10,02,566.49	
I—Lumpsum provision for payment of Commission charges and interest on I.B.R. D.Loan	3,81,996.28		.....		.....		3,81,996.28	
	7,47,45,643.36		4,51,66,062.26		2,28,61,376.54		14,27,73,084.16	
XXIV—Measures to control environmental Pollution in Greater Bombay	1,96,707.74		.....		.....		1,96,707.74	
XXV—Lump sum provision for the payment of arrears on account of revision of grades	3,72,31,236.21		1,03,49,333.57		34,53,497.28		5,10,34,267.06	
XXVI—Special Contribution to meet deficit in Slum Imp.	1,40,12,020.00		.....		.....		1,40,12,020.00	
XXVII—Lump sum provision for the payment of dues to Budget 'G'	5,00,00,000.00		.....		.....		5,00,00,000.00	
Total—Part-I	73,08,95,453.85		20,40,84,573.02		9,15,64,140.11		1,04,65,44,166.98	

APPENDIX—15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
Budget 'A' (Part II)								
—Public Health Department—								
A—General Superintendence	1,90,87,010.44		81,00,551.46		33,45,166.71		3,05,32,728.61	
B—Supply of Milk to the under nourished needy children attending municipal schools.	39,28,623.08		24,66,545.82		6,53,267.07		70,48,435.97	
C—Provident Fund Charges	1,66,368.73		75,000.00		20,000.00		2,61,368.73	
D—Malaria Eradication Programme	4,03,570.89		6,09,920.62		2,67,858.60		12,81,350.11	
E—Impounding Stray Cattle	5,00,281.02		.....		.....		5,00,281.02	
I—Debt Charges	2,74,220.79		3,21,491.80		1,33,651.13		7,29,363.72	
F—Filaria Control Programme .. .. .	.....		2,18,752.49		1,12,605.41		3,31,357.90	
	2,43,60,074.95		1,17,92,262.19		45,32,548.92		4,06,84,886.06	
VI—Medical Relief and Education—								
A—Hospitals	11,71,51,336.05		3,75,03,069.96		1,10,92,561.16		16,57,46,967.17	
B—Maternity Homes	56,68,870.89		30,30,720.53		50,58,818.74		1,37,58,410.16	
C—Dispensaries	66,51,814.87		47,12,912.29		21,66,980.83		1,35,31,707.99	
E—Medical Education	1,84,46,040.76		.....		.....		1,84,46,040.76	
F—Statutory Contributions to Govt. Medical Institutions.	4,14,500.04		.....		.....		4,14,500.04	
G—Clinic for treatment of Leprosy Cases	7,09,281.95		30,000.00		15,000.00		7,54,281.95	
H—Grant-in-Aid to Public Institutions	73,87,908.94		3,74,796.75		2,02,218.79		79,64,924.48	
I—Provident Fund Charges	4,36,631.10		55,000.00		20,000.00		5,11,631.10	
K—Debt Charges	1,19,02,618.17		43,06,720.23		21,67,456.54		1,83,76,794.94	
	16,87,69,002.77		5,00,13,219.76		2,07,23,036.06		13,95,05,258.59	
Total—Part II	19,31,29,077.72		6,18,05,481.95		2,52,55,584.98		28,01,90,144.65	
Total—(A) Revenue Expenditure	94,40,24,531.57		26,58,90,054.97		11,68,19,725.09		1,32,67,34,311.63	
B) Capital Account—								
I—General Supervision, Collection of Revenue, etc.	44,74,524.91		19,57,383.53		1,00,185.42		65,32,093.86	
IV—Free Reading Rooms and Libraries	2,17,923.09		.....		.....		2,17,923.09	
V—Public Health Department	14,24,004.71		9,77,400.83		10,411.51		24,11,817.05	
VI—Medical Relief and Education	46,76,600.93		46,39,425.87		31,79,899.83		1,24,95,926.63	
VII—Street Cleansing, Conservancy and Halalkhore Service.	16,39,916.70		29,92,022.60		20,83,589.00		67,15,528.30	
VIII—Roads, S.W. Drains and Public Lighting	46,36,691.74		1,09,13,089.16		62,61,906.22		2,18,11,687.12	
IX—Mechanical .. .. .	.....		.....		.....		.....
X—Buildings, Land Acquisition and Management	47,90,064.79		11,94,511.50		9,33,004.55		69,17,580.84	
XI—Fire Brigade	10,44,876.62		10,113.74		3,31,376.39		13,86,366.75	
XIII—Gardens and Open Spaces	18,52,760.77		12,44,223.99		14,22,446.64		45,25,431.40	
XIV—Markets and Slaughter Houses	31,45,141.63		47,10,449.75		9,32,996.68		87,88,588.05	
XV—Slum Service and Village Amenities .. .. .	.....		.....		.....		.....
XVIII—Industrial Estates	1,99,354.95		.....		.....		1,99,354.95	
XXIII—Traffic Operations, Roads and Bridges	1,83,70,923.07		2,96,49,894.37		2,02,83,869.22		6,83,04,686.66	
XXIV—Measures for control of Pollution in Greater Bombay	3,28,754.56		.....		.....		3,28,754.56	
Centenary Celebration Works .. .. .	.....		11,47,858.43		5,40,758.86		16,88,617.29	
Plant and Machinery out of Loan Funds	2,23,88,707.25		40,05,557.95		9,56,609.82		2,73,50,875.02	
Suspense Account Mechanical Transport	52,614.19		26,10,837.11		.....		26,63,451.30	
Plant and Machinery Purchased out of different Special Funds.	Cr. 55,20,763.88		.....		.....		Cr. 55,20,763.88	
Clearance of Advance taken for purchase of Plant and Machinery out of Surplus Monies.	Cr. 13,74,767.60		.....		.....		Cr. 13,74,767.60	
Assets written off	55,20,763.88		.....		.....		55,20,763.88	
Recoupment of Advance for Purchase of Capital Stores.	Cr. 7,13,489.67		.....		.....		Cr. 7,13,489.67	
Trust Fund	6,71,54,602.65		6,60,52,768.83		3,70,43,054.14		17,02,50,425.62	
	1,840.00		.....		.....		1,840.00	
Total—(B) Capital Expenditure	6,71,56,442.65		6,60,52,768.83		3,70,43,054.14		17,02,52,265.62	

APPENDIX—15—(contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
BUDGET 'A' EXPENDITURE—(Contd.)								
C) Suspense Account								
I—Sinking and Special Fund Accounts								
Sinking Fund Account—Municipal ..	3,35,98,335.54		1,07,70,402.52		1,77,420.59		4,45,46,158.65	
Special Fund Account ..	4,21,58,524.70		..		..		4,21,58,524.70	
Loan Redemption Fund ..	..		3,12,03,324.01		1,52,19,349.78		4,64,22,673.79	
Total—I (S.S.S. Funds)	7,57,56,860.24		4,19,73,726.53		1,53,96,770.37		13,31,27,357.14	
II—Paper and Cash Account								
Sinking Fund ..	6,59,15,335.49		1,58,19,342.25		1,00,46,917.42		9,17,81,595.16	
Special Fund ..	12,97,65,806.94		..		..		12,97,65,806.94	
Surplus-Fund ..	18,53,33,583.19		2,37,97,185.82		1,65,19,322.76		22,56,50,091.77	
Loan Fund ..	98.06		51.49		95.20		244.75	
State Bank of India and Other Local Banks on account of Sundry Deposits ..	1,18,77,55,376.81		19,72,61,140.25		8,15,97,617.13		1,46,66,14,134.19	
Total—II (Papers and Cash)	1,56,87,70,200.49		23,68,77,719.81		10,81,63,952.51		1,91,38,11,872.81	
III—Other Suspense Accounts								
Deposit Account ..	3,05,92,24,927.47		25,58,62,028.70		9,03,56,916.24		3,40,59,43,872.41	
Reserve Stores Account ..	4,55,35,599.74		..		..		4,55,35,599.74	
Capital Stores Account ..	8,32,16,211.00		..		..		8,32,16,211.00	
Capital Stores Account (Foras Road Depot) ..	Cr. 2,26,823.16		..		..		Cr. 2,26,823.16	
Advances for purchase of Petrol and Diesel Oil ..	18,21,736.73		16,22,754.77		..		34,44,491.50	
Advances for Departmental Works ..	44,87,442.33		49,05,542.86		3,44,405.31		97,37,391.50	
Advances for Private Works ..	23,06,454.17		4,80,416.75		9,855.77		27,96,726.69	
Advances Private Works—Traffic Amenities ..	..		40,900.92		..		40,900.92	
Municipal Workshop ..	36,60,197.18		..		..		35,50,197.18	
Municipal Foundry ..	8,01,425.95		..		..		8,01,425.95	
Municipal Crushers ..	1,57,177.72		..		..		1,57,177.72	
Mechanical Transport ..	1,68,00,957.93		1,16,17,135.66		13,833.33		2,84,31,926.92	
Asphalt Plant ..	35,55,818.72		..		..		35,55,818.72	
Municipal Printing Press ..	63,82,147.57		..		..		63,82,147.57	
Rota Printing Unit ..	5,65,741.61		..		..		5,65,741.61	
Advances Special Funds ..	36,72,545.98		..		..		36,72,545.98	
Municipal Contractors ..	2,23,546.42		18,379.08		6,959.95		2,43,835.45	
Municipal Tenderers ..	2.00		..		..		2.00	
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings ..	19,06,943.63		34,527.59		13,431.08		19,54,902.30	
Advances to Public including Co-operatives for Housing purposes ..	2,87,70,887.03		..		..		2,87,70,887.03	
Municipal Power Laundry ..	30,05,971.91		..		..		30,05,971.91	
Advances to Municipal Officers ..	5,45,119.00		26,325.00		17,675.00		5,89,110.00	
Advances, Sundry Advances Miscellaneous ..	5,61,43,837.76		2,50,68,042.37		1,35,27,982.90		9,47,39,853.03	
Provident Fund ..	5,47,22,333.16		88,16,278.08		35,99,158.42		6,71,37,769.66	
Pension Fund ..	93,29,306.41		..		..		93,29,306.41	
Gratuity Fund ..	35,05,862.91		..		..		35,05,862.91	
Welfare Fund ..	10,69,202.22		..		..		10,69,202.22	
Fines Fund ..	5,055.66		..		..		5,055.66	
Fidelity Guarantee Insurance Fund ..	5,708.15		..		..		5,708.15	
Reinstatement of Trenches ..	46,86,236.83		11,31,439.93		9,32,744.95		67,50,421.71	
Advances from Surplus Monies for Financing Capital Works Expenditure ..	..		..		..		..
Total—(C)—III—(Other Susp.) C/o	3,39,58,82,574.03		30,96,23,771.71		10,93,22,953.95		3,81,48,29,301.69	

APPENDIX—15—(Contd.)

Account Heads	Division I		Division II		Division III		Total Budget 'A'	
	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
Budget— 'A' Expenditure—(Contd.)								
Total—(c) III (Other Susp.) B/F ...	3,39,58,82,574.08		30,96,23,771.71		10,93,22,963.95		3,81,49,29,309.69	
Dishonoured cheques. ..	2,19,27,602.78		76,14,112.28		47,03,095.57		3,42,44,810.63	
Advances for Halalkhore Service. ..	5,63,903.01		44,96,835.61		34,85,158.17		85,45,896.79	
Advances for Improvement of Private streets. ..	..		1,02,135.22		..		1,02,135.22	
Advances for Deposit with Outside Bodies. ..	11,333.00		3,500.00		1,033.00		15,833.00	
Advance for Security Deposit with Central Railway and D.G.S. Delhi. ..	..		..		..		..
Interest Accrued But Not Paid ..	3,20,564.14		96,092.60		..		4,16,656.74	
Interest receivable Account. ..	1,25,000.00		..		..		1,25,000.00	
Interest on Loans Payable Account ..	4,50,081.02		82,397.89		32,319.98		5,64,798.89	
B. M. C. Loans Interest Warrants Payable Account. ..	1,86,93,447.07		1,23,85,605.34		73,11,307.73		3,83,90,360.14	
Repayment of B. M. C. Loans ..	2,93,48,100.60		1,00,00,000.00		..		3,93,48,100.60	
Cash Bill Outstanding Account ..	3,33,526.06		11,395.98		3,90,820.75		7,40,742.79	
Cheques Payable ..	4,28,30,23,626.12		51,16,37,914.29		21,08,24,888.60		5,03,54,86,429.01	
Wages Deposit Account ..	2,18,44,755.56		56,20,242.54		23,27,408.18		2,97,92,405.28	
Contribution receivable from Budget 'E' ..	6,86,10,374.53		..		..		6,86,10,374.53	
Amount transferred to Budget 'G' ..	47,50,75,168.34		..		..		47,50,75,168.34	
Amount transferred within Budget 'A' Divisions ..	27,94,73,250.09		15,13,48,525.29		7,71,85,350.40		50,80,07,125.78	
Unadjusted Reserve Stores Account Stock. ..	1,20,64,662.42		..		..		1,20,64,662.42	
Unadjusted Reserve Stores (Foras Road Depot) ..	7,02,325.40		..		..		7,02,325.40	
Municipal Debt. Interest. ..	..		2,12,90,274.39		1,15,83,625.23		3,28,73,899.62	
Advances Suspense Account accumulated Surplus Balance payable to Budg G ..	5,00,00,000.00		..		..		5,00,00,000.00	
Total—III (Other Susp.) ..	8,65,84,55,294.17		1,03,43,12,803.14		42,71,67,908.56		10,11,99,36,035.87	
Total (C) Suspense Expenditure ..	10,30,29,82,354.90		1,31,31,64,249.48		55,07,28,661.44		12,16,68,75,265.82	
Total Expenditure Budget 'A' ..	11,31,41,63,329.12		1,65,36,84,309.93		70,45,91,440.67		12,67,24,39,079.72	

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.
BUDGET 'B' EXPENDITURE										
IMPROVEMENT SCHEME ACCOUNT										
A) General Account Expenditure										
A—Maintenance of Properties and Streets ..	3,11,31,637.81		3,40,31,933.68		18,99,924.84		6,58,172.22		6,77,21,658.55	
B—Cost of Management and Establishment ..	76,16,333.92		...		...		...		76,16,333.92	
C—Proportionate Charges on account of Municipal Supervision ..	33,82,864.66		...		...		...		33,82,864.66	
Proportionate Share of Cost of Management & Establishment.—										
(a) General Account ..	Cr. 96,93,933.10		...		...		...		Cr. 96,93,933.10	
(b) Capital Account ..	Cr. 13,05,265.48		...		...		...		Cr. 13,05,265.48	
D—Debt Charges ..	1,14,89,168.24		...		43,81,723.84		38,72,515.79		1,97,43,407.37	
Total (A) General Account Expenditure	4,26,20,806.05		3,40,31,933.68		62,81,648.68		45,30,688.01		8,74,65,076.42	
B) Capital Account Expenditure										
Improvement and Street etc. Schemes Expenditure. ..	1,32,05,425.70		1,52,05,698.04		9,77,244.48		6,32,532.13		3,03,21,900.35	
Proportionate Share of Cost of Management and & Establishment. ..	13,05,265.48		...		...		...		13,05,265.48	
Deficit in General Account— ..	83,26,655.64		...		34,61,230.58		34,15,179.81		1,52,03,116.03	
Total (B) Capital Expenditure	2,28,38,346.82		1,52,05,698.04		44,38,525.06		40,47,711.94		4,65,30,281.86	
(C) Suspense Account Expenditure										
I—Sinking etc. Fund Account										
(a) Sinking Fund Account ..	80,509.05		...		9,416.35		4,597.87		94,523.27	
Total—I (S. Fund)	80,509.05		...		9,416.35		4,597.87		94,523.27	
II—Paper and Cash Accounts										
(a) Sinking Fund. ..	68,74,318.73		3,64,534.00		16,47,439.95		12,66,910.11		1,01,53,202.79	
(b) Capital Fund. ..	161.65		141.43		167.55		144.63		615.26	
(c) Investment Reserve Fund ..	58.65		..		..		..		58.65	
(d) Rent Equalisation Fund. ..	73.75		...		...		...		73.75	
(e) Amenities Fund. ..	0.42		...		...		...		0.42	
Total—II (Papers and Cash)	68,74,613.20		3,64,675.43		16,47,607.50		12,67,054.74		1,01,53,950.87	
III—Other Suspense Account										
Repayment of B. I. T. etc. Loans ..	15,84,290.90		...		1,63,319.65		94,051.42		18,41,661.97	
B. I. T. Interest Warrants Payable Account. ..	7,911.65		...		...		...		7,911.65	
Total—III (Other Susp.)	15,92,202.55		...		1,63,319.65		94,051.42		18,49,573.62	
Total—(C) Suspense Expenditure	85,47,324.80		3,64,675.43		18,20,343.50		13,65,704.03		1,20,98,047.76	
Total Expenditure Budget 'B'	7,40,05,477.67		4,96,02,307.15		1,25,40,517.24		99,44,103.98		14,60,93,406.04	

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.
4,46,44,728.87	1,42,44,363.51	54,97,007.93	6,43,86,100.31	Opening Balance as at 1st April 1977	..	..	..	..
				Budget 'A'				
1,03,34,58,778.92	20,66,40,350.42	8,20,21,324.34	1,32,21,20,453.68	(A) Revenue Account	94,40,24,531.57	26,58,90,054.97	11,68,19,725.09	1,32,67,34,311.63
7,89,13,462.61	9,76,79,020.32	5,84,88,599.12	23,50,81,082.05	(B) Capital Account	6,71,56,442.65	6,63,52,768.83	3,70,43,054.14	17,02,52,265.62
10,16,62,89,882.20	1,33,51,20,575.68	56,47,67,962.19	12,06,61,78,420.07	(C) Suspense Account	10,30,29,82,354.90	1,31,31,64,249.48	55,07,29,661.44	12,16,68,75,265.83
11,27,86,62,123.73	1,63,94,39,946.42	70,52,77,885.65	13,62,33,79,955.80	Total—Budget 'A'	11,31,41,63,329.12	1,64,51,07,073.28	70,45,91,440.67	13,66,38,61,843.07
				Budget 'B'				
8,74,65,076.42	..	..	8,74,65,076.42	(A) General Account	8,74,65,076.42	..	..	8,74,65,076.42
5,49,34,036.81	..	..	5,49,34,036.81	(B) Capital Account	4,65,30,281.86	..	..	4,65,30,281.86
1,43,70,992.79	..	..	1,43,70,992.79	(C) Suspense Account	1,20,98,047.76	..	..	1,20,98,047.76
15,67,70,106.02	..	..	15,67,70,106.02	Total—Budget 'B'	14,60,93,405.04	..	..	14,60,93,405.04
11,43,54,32,229.75	1,63,94,39,946.42	70,52,77,885.65	13,78,01,50,051.82	Total Budgets 'A' + 'B'	11,46,02,56,735.16	1,64,51,07,073.28	70,45,91,440.67	13,80,99,55,249.11
..	..	..	..	Closing Balance as at 31st March 1978 as reconciled below* with the Cash Position	1,98,20,223.46	85,77,236.65	61,83,452.91	3,45,80,913.02*
11,48,00,76,958.62	1,65,36,84,309.93	71,07,74,893.58	13,84,45,36,162.13	GRAND TOTAL	11,48,00,76,958.62	1,65,36,84,309.93	71,07,74,893.58	13,84,45,36,162.13
				*Banks Reconciliation :				
				Balance as per Bank's Pass Book	10,08,257.55	2,23,32,823.41	1,24,10,864.34	3,57,51,945.30
				Add : Revenue sent to the Bank on 31st March 1978 but acknowledged on 1st April 1978	12,62,039.23	6,40,282.44	3,17,664.37	22,19,986.04
				Less : Uncashed Cheques	—3,92,84,158.84	—291,09,655.38	—90,75,795.08	—7,74,69,609.30
				Total—Bank Position	—3,70,13,862.06	—61,36,549.53	36,52,733.63	—3,94,97,677.96
				Balance in Bank as per Day Book (Column No. 10)—				
				Balance in Office, in Government Promisory Notes etc.	2,75,600.00	4,05,710.00	6,86,340.00	13,67,650.00
				Balance in Office in Cash	2,634.88	117.01	537.50	3,289.39
				Collection kept in office	5,65,55,850.64	1,43,07,959.17	18,43,841.78	7,27,07,651.59
				Total—Office Position	5,68,34,085.52	1,47,13,786.18	25,30,719.28	7,40,78,590.98
				Closing Balance as at 31st March 1978 as shown at *above.	1,98,20,223.46	85,77,236.65	61,83,452.91	3,45,80,913.02

Appendix No. 22

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1978.

Particulars	Amounts	Particulars	Amounts
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 24 ..	4,26,20,806	By Revenue Receipts as per Appendix No. 23 ..	3,42,94,150
Balance being Deficit transferred to Capital Account Balance Sheet ..	83,26,656		
Total ..	3,4,294,150	Total ..	3,42,94,150

APPENDIX NO. 22A

Slum Clearance Account—(City) General Account for the year ending 31st March 1978.

Particulars.	Amount	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per Appendix 24A ..	62,81,648	By Revenue Receipts under (i) Rent and other proceeds of properties ..	28,20,368
		(ii) Interest and Profits on Investments ..	..
		(iii) Miscellaneous Receipts ..	..
		Balance being Deficit transferred to Capital Account Balance Sheet ..	28,20,368
Total ..	62,81,648	Total ..	34,61,280

APPENDIX NO. 22B

Slum Clearance Account—Suburbs and Ext. Suburbs General Account for the year ending 31st March 1978.

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per Appendix 24B ..	45,30,688	By Revenue receipts under (i) Rent and other proceeds of properties ..	5,97,074
		(ii) Contribution from Budget—'D'. ..	4,01,691
		(iii) Interest & Profits on Investments ..	1,16,743
		(iv) Miscellaneous Receipts ..	..
		Balance being Deficit transferred to Capital Account Balance Sheet ..	11,15,508
Total ..	45,30,688	Total ..	34,15,180

APPENDIX NO. 22 C

**Improvement Schemes Account — Slum Improvement
General Account for the year ending 31st March 1978.**

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue expenditure as per Appendix 24C.	3,40,31,934	By Revenue receipts under :— (i) Hutment Colonies. (ii) Contribution from Budget 'A'. (iii) Subsidy for meeting the deficit.	1,15,86,652 2,24,45,282
	3,40,31,934		3,40,31,934

APPENDIX No. 25

IMPROVEMENT SCHEMES

Balance Sheet—(Capital Account) as on 31st March 1978.

LIABILITIES		Amount.		ASSETS		Amount.	
Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
LOANS OUTSTANDING—				BLOCK ACCOUNT—			
(Vide details as shown in appendix No. 29)	..	17,59,49,356.17		Property & Assets at original cost as per Appendix No. 26	..	34,36,14,185.67	
Loan Redemption Fund	..	10,45,61,132.89		LESS—ASSETS CREDITED BY—			
				(1) Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan †	..	25,07,830.00	
Book value of land comprised in Schedules 'W' and 'X'	..	47,58,490.00		(2) Special grants from the Govt. of India	..	54,00,000.00	
Sinking Fund on Loans	..	9,85,70,015.71		(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	
SPECIAL FUNDS—				(5) Sale proceeds of Land & Buildings	..	8,62,02,697.20	
Investment Reserve Fund	..	1,76,09,151.94				-9,46,40,527.20	
Amenities Fund	..	23,20,579.72		Book value of lands comprised in Schedules 'W' & 'X' as per Appendix No. 27 (Section 97A of B. M. C. Act.)	..	47,58,490.00	
Rent Equalisation Fund	..	70,36,091.87		INVESTMENT—			
		41,08,04,818.30		Sinking Fund - In paper & Cash as per Appendix No. 28	..	9,85,70,015.71	
Less :				Investment Reserve Fund - In Fixed Deposit & Cash	..	1,76,09,151.94	
SURPLUS REVENUE—				Amenities Fund - In Fixed Deposit & Cash	..	23,20,579.72	
Deficit upto 31st March 1977	..	1,99,40,077.08		Rent Equalisation Fund - In Fixed Deposit & Cash	..	70,36,091.87	
Add—Deficit during 1977-78	..	83,26,653.64		CAPITAL FUND—			
		-2,82,66,732.72		In Fixed Deposits	..	32,70,000.00	
		38,25,38,085.58		In Cash	..	97.67	
						32,70,097.67	
						38,25,38,085.58	

Div-I

* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1978, please see Appendix No. 30.
† 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. 25A

Slum Clearance City

Balance Sheet Capital Account as on 31st March 1978

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
LOAN OUTSTANDING—			Block Account—		
Vide details as shown in Appendix No. 25A)	6,15,81,726.50		Property and Assets at original cost as per Appendix No. 25A	4,42,46,412.36	
Subsidy from Government	1,06,52,426.00		Investment		
Sale proceeds up to 31st March 1978	33,028.68		Sinking Fund as per Appendix No. 25A	1,26,24,612.40	
Sinking Fund on Loans	1,26,24,652.40		CAPITAL FUND—		
Loan Redemption Fund	10,19,209.50		In Fixed Deposits	65,27,911.00	
	8,59,11,023.98		Cash	66.77	
Deduct—	Rs.	P.			65,27,917.77
Deficit upto 31st March 1977	1,90,50,718.97				
Add—Deficit during the year	34,61,180.58				
	2,25,11,999.55				
Total	6,33,99,023.53		Total		6,33,99,023.53

Appendix No. 25B

Slum Clearance Suburbs.

Balance Sheet Capital Account as on 31st March 1978.

LIABILITIES.	Amount		ASSETS.	Amount	
	Rs.	P.		Rs.	P.
Loan Outstanding	5,31,24,321.18		Block Account—		
Subsidy from Government	57,32,779.06		Property and Assets at original cost as per Appendix No. 25B	4,30,91,510.77	
Sinking Fund on Loans	75,24,45.03		Investment		
Sale proceeds upto 31st March 1978	33,04,310.13		Sinking Fund as per App. 25B	75,24,452.03	
Loan Redemption Fund	5,61,655.82		Capital Fund—		
	7,03,04,518.16		In Fixed Deposits	Rs. 66,33,500.00	
Deduct :			Cash	Rs. 7.29	66,33,507.29
Deficit upto 31st March 1977	96,39,563.26				
Add—Deficit during the year	34,15,179.81				
	1,30,54,743.07				
Total	5,72,49,770.19		Total		5,72,49,770.09

Appendix No. 25C

Slum Improvement

Balance Sheet Capital Account as on 31st March 1978

LIABILITIES.	AMOUNT		ASSETS.	AMOUNT	
	Rs.	P.		Rs.	P.
Loan Outstanding	2,00,00,000.00		Block Account—		
Sinking Fund on Loan	3,64,534.00		Property and Assets at original cost as per Appendix No. 25C	2,50,23,242.65	
Grant-in-Aid from Govt.	1,87,41,156.00		Investment		
			Sinking Fund as per App. 25C	3,64,534.00	
Total	3,91,05,690.00		Capital Fund—		
			In Fixed Deposits	1,37,17,900.00	
			Cash	13.35	1,37,17,913.35
			Total		3,91,05,690.00

Appendix No. 26

IMPROVEMENT SCHEMES

Block account showing details of Capital Expenditure upto 31st March 1978.

Particulars	Total Capital Expenditure upto 31st March 1976	Expenditure during 1976-77	Total Capital Expenditure upto 31st March 1977	Particulars	Total Capital Expenditure upto 31st March 1976	Expenditure during 1976-77	Total Capital Expenditure upto 31st March 1977
	Rs.		Rs.		Rs.		Rs.
CAPITAL ACCOUNT							
Improvement and Street Scheme.				Brought over ...	30,71,16,520	1,45,11,691	32,16,28,211
Schedule W Lands ...	13,45,571	...	13,45,571	Acquisition of land at Mogra for shifting potter from Dharavi to Jogeshwari ...	4,46,161	...	4,46,161
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 Ekar Pahad for housing of dishoused tenants as well as displaced Industries in execution of its sanctioned Schemes ...	94,149	...	94,149
Scheme No.				Acquisition of land at Borla village ...	11,565	...	11,565
1 First Nagpada ...	29,16,099	...	29,16,099	Acquisition of land bearing C. S. No. 1325 (Part) and 1/325 Lower Parel Division for housing dishoused persons as a result of Municipal Scheme ...	1,80,129	...	1,80,129
2 Princess Street ...	85,08,865	...	85,08,865	Acquisition of land at Poisar and Kandivli 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 Shantinagar Arthur Road, etc. ...	4,84,801	...	4,84,801
4 Camdevi ...	22,88,002	6,31,796	22,88,002		3,14,94,082	1,45,11,691	32,60,05,773
5 Dadar-Matunga ...	1,00,53,384	...	1,00,53,384	Police Accommodation Schemes.			
6 Sion-Matunga ...	1,99,28,37	...	2,05,59,93	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 Warehouse Road ...	3,22,667	...	3,22,667
11 Agripada ...	3,127	...	3,127	17 Duncan Road ...	53,981	...	53,981
13 Souther Street Extension—East-wards ...	68,102	...	68,102	18 Shepherd Road ...	36,223	...	36,223
17 Mathew Road ...	14,11,129	...	14,11,129	19 Agripada ...	1,79,120	...	1,79,120
29 Nowroji Hill ...	86,57,482	...	86,57,482	23 Connaught Road ...	79,495	...	79,495
30 Souther Street Extension—West-wards ...	1,30,512	...	1,30,512	24 Princess Street ...	2,65,953	...	2,65,953
31 Parel Suparibaug Estate ...	91,42,350	...	91,42,350	25 Camdevi ...	1,29,407	...	1,29,407
32 East Agripada ...	50,59,050	...	50,59,050	34 Lamington Road ...	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 Sandhurst Road East ...	7,58,893	...	7,58,893
37 Sydenham Road ...	1,40,51,180	...	1,40,51,180	40 Byculla ...	8,28,411	...	8,28,411
41 Undria Street ...	5,72,800	...	5,72,800	44 Maharbaudi ...	2,71,434	...	2,71,434
43 Parel Road Central ...	38,97,348	...	38,97,348	45 Palton Road ...	5,71,492	...	5,71,492
47 Parel Road North ...	52,96,220	...	52,96,220	46 Naigaum ...	5,69,142	...	5,69,142
49 Nepean Sea Road—Reclamation ...	3,053	...	3,053	48 Mahim ...	4,58,032	...	4,58,032
50 Mazgaon Street ...	40,68,206	...	40,68,206	55 Chinchbunder Road ...	4,32,656	...	4,32,656
52 Worli Street ...	2,73,21,710	1,03,213	2,74,24,923	55A Mazgaon ...	4,53,550	...	4,53,560
53 Foras Road ...	36,82,145	...	36,82,145	63 King's Circle (Matunga) ...	4,32,185	...	4,32,185
54 Kolbhatwadi ...	21,79,254	...	21,79,254	67 Naigaum (for Armed Police and Recruits) ...	24,42,031	...	24,42,031
55 B. Jaisi Road ...	18,530	...	18,530	70 Arthur Road ...	1,58,357	...	1,58,357
56 Dharavi Street ...	1,60,33,052	11,72,069	1,72,05,121		91,84,617	...	91,84,617
57 Sewri-Wadala ...	4,41,52,204	64,24,747	5,05,76,951	Mill Company's Chawl Schemes			
58 Worli-Extension ...	1,38,50,401	...	1,38,50,401	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 Mahalaxmi ...	4,86,705	...	4,86,705	Carried forward ...	30,71,16,520	1,45,11,691	32,16,28,211
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	...	15,347				
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. ...	6,78,29,616	61,79,866	7,40,09,482				
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 Lchar Chawl Gully ...	4,53,671	...	4,53,671				
77 Housing Accommodation—For Fishermen at Mahim Causeway ...	459	...	459				
Housing of Squatters Acquisition ...	6,29,401	...	6,29,401				
Housing of Squatters at Vikrol ...	151	...	151				
Construction of Dormitories ...	6,92,736	...	6,92,736				
Acquisition of land at Covandi ...	2,56,040	...	2,56,040				

Appendix No. 26—(Concl'd.)

Particulars	Total Capital Expenditure upto 31st March 1977	Expenditure during 1977-78.	Total Capital Expenditure upto 31st March 1978.	Particulars	Total Capital Expenditure upto 31st March 1977.	Expenditure during 1977-78.	Total Capital Expenditure upto 31st March 1978
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	32,16,24,521	1,45,11,691	33,61,36,212	Brought over ...	32,20,87,832	1,45,11,691	33,65,99,523
Slum Clearance.							
Preliminary Expenses ...	22,481	...	22,481	Brought over ...	7,56,460	...	7,56,460
Transit Camps for providing alternative housing accommodation to facilitate Slum Clearance—				Refund to preliminary expenses to Government ...	38,019	...	38,019
(i) Construction of 244 tenements, etc. ...	2,58,843	...	2,58,843	Preliminary expenses in connection with the Improvements of slum areas ...	68,816	...	68,816
(ii) Construction of 210 tenements etc. ...	1,81,987	...	1,81,987	Provision of a lift in the Improvement Trust Building at Napier Road near Queens Statue ...	12,267	...	12,267
	4,63,311	...	4,63,311		8,75,562		8,75,562
Miscellaneous.				Discount on Loans ...	14,53,359	...	14,53,359
Survey of the Island of Bombay...	1,06,046	...	1,06,046	Expenses in connection with the Loan of Rs. 10 lakhs ...	12,227	...	12,227
Administrative Offices, etc.— Building on Esplanade Road near Queen's Statue ...	3,21,562	...	3,21,562	Expenses in connection with the repayment of Rs. 25 Lakhs Loan ...	19,504	...	19,504
Engineer's Office at Matunga ...	1,38,468	...	1,38,468	Expenses in connection with the loan raised in 1957-58 ...	62,048	...	62,048
Central Stores at the back of Frere Fletcher School ...	15,656	...	15,656	Repayment of Rs. 40 lakhs loan of 1919 ...	26,83,469	...	26,83,469
Store yard at Agripada, etc. ...	83,801	...	83,801	Part payment of Rs. 25 Lakhs loan of 1926 ...	19,08,494	...	19,08,494
Workshop for Motor Lorries at Agripada ...	90,368	...	90,368		61,39,101	...	61,39,101
Tools and Plant ...	559	...	559				
	7,56,460	...	7,56,460				
Carried over ...	32,20,87,832	1,45,11,691	33,65,99,523	Grand Total ...	32,91,02,495	1,45,11,691	34,36,14,186

* This figure includes Rs. 10,06,180 being the share of cost of Management and Establishment chargeable to Capital Account.

APPENDIX No. 26A.

IMPROVEMENTS SCHEMES—SLUM CLEARANCE—CITY.

Block account showing details of Capital Expenditure upto 31st March 1978.

PARTICULARS	Total Capital Expenditure upto 31st March 1977	Expenditure during 1977-78	Total Capital Expenditure from 1st April, 1956 upto 31st March 1978
	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) ..	33,51,070	1,32,334	34,83,404
Total A—Works to be carried out from Municipal Fund ..	65,31,185	1,32,334	66,67,519
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 ..	3,23,69,337	8,44,910	3,32,14,247
Total B—Works to be carried out with the Government Aid ..	3,67,37,973	8,44,910	3,75,82,883
Grand Total* ..	4,32,69,158	9,77,244	4,42,46,402

* Previous expenditure amounting to Rs. 4,63,311 upto 31st March 1956 is shown in Appendix No. 26.

APPENDIX No. 26B.

IMPROVEMENTS SCHEMES—SLUM CLEARANCE—SUBURBS.

Block account showing details of Capital Expenditure upto 31st March 1978.

PARTICULARS	Total Capital Expenditure upto 31st March 1977	Expenditure during 1977-78	Total Capital Expenditure upto 31st March 1978
	Rs.	Rs.	Rs.
Slum Clearance—Suburbs.			
<i>A.—Works to be carried out from Municipal Fund.</i>			
Miscellaneous expenses including Preliminary Expenses (Staff and Contingencies) ..	1,75,80,863	19,697	17,6,00,760
Total A.—Works to be carried out from Municipal Fund ..	1,75,80,863	19,697	1,76,00,560
<i>B.—Works to be carried out with the Government Aid</i>			
(b) Chawl and S. P. Chawls ..	2,48,78,115	6,12,835	2,54,90,950
Total B.—Works to be carried out with the Government Aid ..	2,48,78,115	6,12,835	2,54,90,950
Grand Total ..	4,24,58,978	6,32,532	4,30,91,510

APPENDIX No. 26C.

IMPROVEMENTS SCHEMES SLUM IMPROVEMENTS

Block account showing details of Capital Expenditure upto 31st March 1978.

PARTICULARS	Total Capital Expenditure upto 31st March 1977	Expenditure during 1977-78	Total Capital Expenditure upto 31st March 1978
	Rs.	Rs.	Rs.
(a) Construction.			
1) Providing Civic amenities under the environment all improvements Schemes to the existing and newly created habitant Colonies Such as concrete passages, Drainage Lining Sanitary conveniences including Washing places and water supply arrangement ..	72,98,294	1,10,03,088	1,83,01,382
2) Providing additional amenities to Slum population Schemes ..	25,19,251	42,02,610	67,21,861
TOTAL ..	98,17,545	1,52,05,698	2,50,23,243

APPENDIX No. 29—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1978, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1978.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1978
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Improvement Scheme—				Programme No. 10		
	Loans Raised from the Government.			48	Rs. 1,62,343 Loan, 1966-67	5 1/2%	1,52,209.95
				49	Rs. 3,254 Loan, 1967-68	5 1/2%	3,053.8
				50	Rs. 58,984 Loan, 1968-69	5 1/2%	55,342.88
					Total—Prog. 10..		2,10,606.81
1	Consolidation loan in respect of Conversion loan, 35 Lakhs Loan and 8 Lakhs Loan	3.3759%	50,82,836.17		Programme No. 11		
2	Rs. 45 lakhs Loan 1921	4 1/2%	45,00,000.00	51	Rs. 69,426 Loan, 1968-69	5 1/2%	65,141.66
3	Rs. 172 lakhs Loan 1922	4 1/2%	1,72,00,000.00	52	Rs. 75,936 Loan, 1969-70	5 1/2%	71,247.74
4	Rs. 89 lakhs Loan 1923	4 1/2%	89,00,000.00	53	Rs. 13,725 Loan, 1970-71	6 1/2%	12,971.93
5	Rs. 100 lakhs Loan 1924	4 1/2%	1,00,00,000.00				
6	Rs. 70 Lakhs Loan 1925	4 1/2%	70,00,000.00		Total—Prog. 11 ..		1,49,361.33
	Total—Govt. Loans		5,26,82,836.07		Total—Govt. Loans		70,45,705.50
	Loans raised from Public—				Loan raised from the Public		
7	Rs. 70 Lakhs Debenture Loan 1920	6%	66,00,000.00	54	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	55	Rs. 20 Lakhs Loan, 1957-58	4 1/2%	20,00,000.00
9	Rs. 27,38,500 Loan, 1957-58	4 1/2%	27,38,500.00	56	Rs. 10 Lakhs Loan, 1958-59	4%	10,00,000.00
10	Rs. 50 Lakhs Loan, 1959-60	4%	50,00,000.00	57	Rs. 25 Lakhs Loan, 1959-60	4%	25,00,000.00
11	Rs. 70 Lakhs Loan, 1960-61	4 1/2%	70,00,000.00	58	Rs. 50 Lakhs Loan, 1961-62	4 1/2%	50,00,000.00
12	Rs. 50 Lakhs Loan, 1961-62	4 1/2%	50,00,000.00	59	Rs. 30 Lakhs Loan, 1964-65	4 1/2%	30,00,000.00
13	Rs. 100 Lakhs Loan 1962-63	4 1/2%	1,00,00,000.00	60	Rs. 50 Lakhs Loan, 1966-67	6%	59,00,000.00
14	Rs. 50 Lakhs Loan, 1963-64	4 1/2%	50,00,000.00	61	Rs. 25 Lakhs Loan, 1971-72	6%	25,00,000.00
15	Rs. 100 Lakhs Loan, 1965-66	6%	1,00,00,000.00	62	Rs. 50 Lakhs Loan, 1972-73	6%	50,00,000.00
16	Rs. 50 Lakhs Loan, 1966-67	6%	50,00,000.00	63	Rs. 50 Lakhs Loan, 1973-74	6%	50,00,000.00
17	Rs. 50 Lakhs Loan, 1967-68	6%	50,00,000.00	64	Rs. 75 Lakhs Loan, 1975-76	6 1/2%	75,00,000.00
18	Rs. 75 Lakhs Loan, 1968-69	6%	75,00,000.00	65	Rs. 100 Lakhs Loan, 1976-77	6 1/2%	1,00,00,000.00
19	Rs. 230 Lakhs out of Rs. 450 Lakhs Loan 1976-77	6 1/2%	2,50,00,000.00	66	Rs. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
20	Rs. 275 Lakhs Loan 1977-78	6 1/2%	2,75,00,000.00		Total—Public Loans		5,45,00,000.00
	Total—Public Loans		12,32,66,500.00		Total—Slum Clearance (City)...		6,15,45,706.50
	Total—Improvement Scheme		17,59,49,336.17		Slum Clearance—Suburbs & Extd. Suburbs—		
	Loans raised from the Govt.—				Programme No. 2		
	Programme No. 1			67	Rs. 307,000 Loan, 1959-60	4 1/2%	2,85,472.14
21	Rs. 9,50,997 Loan, 1957-58	4 1/2%	8,04,778.48	68	Rs. 5,84,000 Loan, 1960-61	4 1/2%	5,43,044.88
22	Rs. 6,12,000 Loan, 1958-59	4 1/2%	5,79,032.28	69	Rs. 3,54,375 Loan, 1962-63	5 1/2%	3,32,277.25
23	Rs. 2,73,000 Loan, 1959-60	4 1/2%	2,31,029.05	70	Rs. 1,67,625 Loan, 1963-64	5 1/2%	1,57,170.00
24	Rs. 1,85,000 Loan, 1960-61	4 1/2%	1,56,555.76	71	Rs. 2,43,364 Loan, 1964-65	5 1/2%	2,28,186.11
25	Rs. 5,04,000 Loan, 1961-62	4 1/2%	3,96,043.65	72	Rs. 11,599 Loan, 1966-67	5 1/2%	10,833.96
26	Rs. 2,64,529 Loan 1962-63	5 1/2%	2,27,784.34		Total—Prog. 2 ...		15,57,128.34
27	Rs. 2,50,971 Loan, 1963-64	5 1/2%	2,16,076.63		Programme No. 3		
28	Rs. 47,250 Loan, 1964-65	5 1/2%	40,865.73	73	Rs. 1,62,000 Loan, 1960-61	4 1/2%	1,16,433.19
29	Rs. 2,20,355 Loan, 1964-65	5 1/2%	1,82,746.40	74	Rs. 9,72,000 Loan, 1961-62	4 1/2%	6,98,598.31
30	Rs. 50,504 Loan, 1965-66	5 1/2%	43,487.44	75	Rs. 1,00,182 Loan, 1962-63	5 1/2%	74,188.29
31	Rs. 73 Loan, 1965-66	5 1/2%	62.89	76	Rs. 7,818 Loan, 1963-64	5 1/2%	5,790.00
32	Rs. 568 Loan, 1968-69	5 1/2%	489.15		Total—Prog. 3...		8,95,009.79
	Total—Prog. 1..		28,24,675.82		Programme No. 4		
33	Rs. 94,500 Loan, 1961-62	4 1/2%	87,870.94	77	Rs. 4,65,300 Loan 1963-64	5 1/2%	4,36,281.14
	Total—Prog. 2...		87,870.94	78	Rs. 1,03,900 Loan 1964-65	5 1/2%	1,02,109.40
	Programme No. 3			79	Rs. 4,75,911 Loan 1964-65	5 1/2%	4,46,224.24
34	Rs. 9,03,000 Loan 1960-61	4 1/2%	6,45,856.97	80	Rs. 1,31,267 Loan 1965-66	5 1/2%	1,23,164.06
35	Rs. 52,037 Loan 1962-63	5 1/2%	45,940.64	81	Rs. 1,53,917 Loan 1965-66	5 1/2%	1,44,416.5
36	Rs. 9,963 Loan 1963-64	5 1/2%	7,378.19	82	Rs. 1,07,739 Loan 1965-66	5 1/2%	1,01,088.03
	Total—Prog. 3		7,00,175.82	83	Rs. 1,06,343 Loan 1965-66	5 1/2%	99,778.01
	Programme No. 4			84	Rs. 1,28,865 Loan 1966-67	5 1/2%	1,20,911.01
37	Rs. 3,69,600 Loan, 1963-64	5 1/2%	3,45,550.16	85	Rs. 78,864 Loan 1967-68	5 1/2%	73,998.61
38	Rs. 1,84,800 Loan, 1964-65	5 1/2%	1,73,275.09	85	Rs. 22,388 Loan 1968-69	5 1/2%	21,047.73
	Total—Prog. 4 ..		5,19,825.25	87	Rs. 3,519 Loan 1968-69	5 1/2%	3,302.57
	Programme No. 6				Total Prog. 4..		16,72,230.05
39	Rs. 1,53,500 Loan, 1966-67	5 1/2%	1,32,529.91		Total Govt. Loan..		41,24,321.18
40	Rs. 17,100 Loan, 1967-68	5 1/2%	14,724.27		Loans raised from the Public—		
41	Rs. 57,000 Loan, 1968-69	5 1/2%	49,081.0	88	Rs. 50 Lakhs Loan 1962-63	4 1/2%	50,00,000.00
	Total—Prog. 6 ..		1,96,335.2	89	Rs. 50 Lakhs Loan 1965-67	6%	50,00,000.00
	Programme No. 9			90	Rs. 50 Lakhs Loan 1967-68	6%	50,00,000.00
42	Rs. 6,10,818 Loan, 1966-67	5 1/2%	5,73,113.46	91	Rs. 25 Lakhs Loan 1968-69	6%	25,00,000.00
43	Rs. 5,73,838 Loan, 1967-68	5 1/2%	5,38,415.70	92	Rs. 40 Lakhs Loan 1973-74	6%	40,00,000.00
44	Rs. 7,28,110 Loan, 1968-69	5 1/2%	6,83,163.00	93	Rs. 100 Lakhs Loan 1975-76	6 1/2%	1,00,00,000.00
45	Rs. 1,03,518 Loan, 1969-70	5 1/2%	94,315.04	94	Rs. 15 Lakhs Loan 1976-77	6 1/2%	15,00,000.00
46	Rs. 1,04,516 Loan, 1969-70	5 1/2%	98,064.11	95	Rs. 50 Lakhs Loan 1977-78	6 1/2%	50,00,000.00
47	Rs. 3,91,298 Loan, 1970-71	6 1/2%	3,69,783.80		Total—Public Loans..		4,90,00,000.00
	Total—Prog. 9..		23,56,855.32		Total—Slum Clearance (Subs. & Extd. Subs.) ..		5,31,24,321.18
				96	Slum Improvement—		
					Loans raised from Public :—		
					Rs. 00 Lakhs out of Rs. 450 Lakhs Loan 1973-77	6 1/2%	2,00,00,000.00
					Total—Slum Improvement...		2,00,00,000.00
					Grand Total—Budget 'B' ...		11,05,19,333.5

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	Govt. Regrn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1978
				Improvement Committee Resolution		
				No.	Date	
(1)	(2)	(3)	(4)	(5A)	(5B)	(6)
			Rs.			Rs.
1	Udayshree, Bhandup	363/63	10,73,000	528 643 102	14-3-1967 23-3-1971 26-6-1973	9,93,000
2	The Swapna Safalya, Worli	2688/70	8,43,000	348 584	7-9-1971 13-1-1973	8,43,000
3	Borivli Dharmakshetra	2519/70	1,56,000	104	2-7-1971	1,56,000
4	Abhinav, Borivli (East)	815/64	25,00,000	528 492	14-3-1967	25,00,000
5	Usha Bahar, Sewree	2354/71	3,27,000	122 419	20-6-1972 20-4-1973	3,27,000
6	Mitra-Dham, Parel	2910/71	10,09,900	121 565	20-6-1972 13-1-1973	10,09,900
7	Palika Vrinda, Worli	3293/72	7,01,800	422 564	5-12-1972 15-1-1974	7,01,800
8	New Dharmakshetra, No. 2, Borivli	3474/72	2,50,000	423	5-12-1972	2,50,000
9	Mandapehwar Kripa, Borivli	3416/72	16,26,000	591	13-1-1973	16,26,000
10	Jal Sanidhya, Worli	2985/71	8,12,000	590	13-1-1973	8,12,000
11	Municipal Employees Tansa, Kurla	3478/72	5,02,000	722 562	29-3-1973 11-2-1975	5,02,000
12	Upper Vaitarna, Worli	3001/71	4,80,000	593	13-1-1973 26-7-1974	4,80,000
13	Gumpha Darshan, (Bldg. 'C'), Borivli (East)	2927/71	4,28,000	699 402	27-3-1973 28-10-1974	4,28,000
14	Gumpha Darshan, (Bldg. 'A' & 'B'), Borivli (East)	2927/71	4,46,400	25	25-4-1972	4,46,400
15	Yeer Dhaval, Borivli	3331/72	2,44,600	717 619	23-4-1974 11-3-1975	2,44,600
16	The Municipal Adhyapak Nagar, Kurla	3837/72	4,95,800	30 6	23-4-1974 15-4-1975	4,95,800
17	Om Mayuresh, Mulund (East)	4041/73	17,97,500	741 674	20-3-1974 25-3-1975	17,97,500
18	Kandivali View	4133/74	4,89,000	701	12-3-1974	4,89,000
19	Om Audumbar Prasad, Worli	3292/72	5,60,000	205 295	16-7-1974 8-10-1975	5,60,000
20	The Nagpada Municipal Employee	3696/73	2,80,500	243 298	26-7-1974 8-10-1975	2,80,500
21	Nav Sai Sadan, Mulund (East)	3929/73	7,60,400	573	11-2-1975	7,60,400
22	Chatak, Kandivli (West)	4390/75	4,93,000	618	11-3-1975	4,93,000
23	Om Yogini, Malad (West)	4309/74	12,96,000	5 622	15-4-1975 9-3-1976	12,96,000
24	Kasturi Milan, Borivli (West)	4425/75	5,39,000	42	9-5-1975	5,39,000
25	Kimaya, Sion (East)	4040/73	3,01,700	535	15-1-1975	3,01,700
26	Yog Prabha, Borivli (West)	4054/73	7,39,000	61	20-6-1975	7,39,000
27	New Veena Vihar, Kandivli (West)	4534/75	13,00,000	211	5-9-1975	13,00,000
28	New Amartara, Borivli	4507/75	5,96,000	77	20-6-1975	5,96,000
29	Municipal Staff Sahayog, Andheri (West)	4555/75	21,92,760	326	15-10-1975	21,92,760
30	Hima Sahyadri, Chhatkopar	3297/72	3,81,900	102	26-6-1974	3,81,900
31	Vaishali, Kandivli (West)	4443/75	8,90,900	189	19-8-1975	8,90,900
32	Andheri Nav Bahar	4233/74	17,89,600	418	17-12-1975	17,89,600
	Total Carried over		2,63,02,760			2,62,22,600

No. 39 C
of the Municipal Employees as on 31st March 1978
(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS
Loan Balance outstanding as on 1-4-1977	Amount of Loan paid during 1977-78	Less : Loan Amount repaid during 1977-78	Loan Balance outstanding as on 31-3-1978	Interest outstanding as on 1-4-1977	Interest Accrued during 1977-78	Less : Interest recovered during 1977-78	Interest outstanding as on 31-3-1978†	
(7A)	(7B)	(7C)	(7D)	(8A)	(8B)	(8C)	(8D)	9
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	
6,96,196.00	...	62,064.00	6,36,132.00	3,86,824.53	41,812.03	...	4,28,636.56	26th 5/8/11/2 7th
4,45,330.00	...	52,680.00	5,92,650.00	2,35,609.89	38,332.85	...	2,73,942.74	47/10/1 5th
1,09,687.50	...	7,312.50	1,02,375.00	45,045.06	6,634.28	...	51,679.34	47/10/1 17th
24,17,960.00	...	46,880.00	23,71,080.00	4,13,489.72	1,49,422.81	...	5,62,912.53	47/10/1 29th
2,65,660.00	...	20,440.00	2,45,240.00	83,239.51	16,010.89	...	99,250.40	6/9/12/3 6th
7,71,750.00	...	63,000.00	7,08,750.00	2,54,404.16	46,486.82	...	3,00,890.98	6/9/12/3 30th
3,70,180.00	...	32,895.00	5,37,285.00	1,61,412.95	34,605.49	...	1,96,018.44	6/9/12/3 26th
4,752.00	...	12,052.00	2,06,700.00	56,959.03	13,424.61	...	70,383.64	5/8/11/2 26th
14,48,156.25	...	1,27,031.25	13,21,125.00	3,28,877.17	86,133.40	...	4,15,010.57	4/7/10/1 29th
6,37,000.55	...	49,000.55	5,88,000.00	1,63,614.08	38,654.73	...	2,02,268.81	6/9/12/3 25th
4,54,942.00	...	47,214.00	4,07,728.00	95,769.35	27,049.10	...	1,22,818.45	6/9/12/3 end of
4,05,000.00	...	30,000.00	3,75,000.00	95,880.21	24,446.94	...	1,20,327.15	5/8/11/2 30th
3,81,184.00	...	26,752.00	3,54,432.00	79,538.43	23,183.85	...	1,02,722.28	5/8/11/2 19th
3,55,725.00	...	20,925.00	3,34,800.00	1,15,831.65	21,610.58	...	1,37,442.23	6/9/12/3
2,44,600.00	2,44,600.00	37,433.91	15,287.51	...	52,721.42	...
4,95,800.00	4,95,800.00	75,225.30	30,987.52	...	1,06,212.82	...
16,85,100.00	...	28,085.00	16,57,015.00	2,84,705.25	1,03,587.55	...	3,88,293.80	1st
4,04,850.00	...	30,600.00	3,74,250.00	77,883.17	24,564.35	...	1,02,447.52	4/7/10/1 27th
5,33,750.00	...	26,250.00	5,07,500.00	66,819.20	32,298.61	...	99,117.81	6/9/12/3 1st
2,80,500.00	...	36,900.00	2,43,600.00	33,984.69	16,401.95	...	50,386.64	5/8/11/2 13th
7,36,637.50	...	35,643.75	7,00,993.75	81,649.06	45,008.45	...	1,26,657.51	6/9/12/3 1st
4,39,071.00	...	30,971.00	4,08,100.00	55,445.97	26,557.50	...	82,003.47	4/7/10/1 30th
12,96,000.00	12,96,000.00	1,23,769.66	81,000.00	...	2,04,769.66	5/8/11/2
5,39,000.00	...	50,640.00	4,88,360.00	47,910.12	32,443.54	...	80,353.66	17th
3,01,700.00	...	29,100.00	2,72,600.00	24,427.99	18,277.55	...	42,705.45	6/9/12/3 18th
7,15,790.00	...	46,180.00	6,69,610.00	58,562.85	43,590.31	...	1,02,153.16	5/8/11/2 23rd
11,98,408.00	...	60,936.00	11,37,472.00	1,09,438.45	73,338.94	...	1,82,777.39	6/9/12/3 8th
5,49,408.00	...	37,908.00	5,11,500.00	50,919.97	33,057.80	...	83,977.77	5/8/11/2 end of
20,95,660.00	...	1,71,360.00	18,84,300.00	1,77,530.48	1,23,630.34	...	3,01,160.82	4/7/10/1 29th
3,81,900.00	...	13,000.00	3,68,900.00	25,810.97	23,807.61	...	49,618.58	5/8/11/2 24th
8,35,200.00	...	41,760.00	7,93,440.00	59,310.36	50,886.69	...	1,10,197.05	6/9/12/3 5th
17,89,600.00	...	84,040.00	17,05,560.00	1,01,798.89	1,09,288.59	...	2,11,087.48	6/9/12/3 5th
2,38,62,517.80	...	13,21,620.05	2,25,40,897.75	40,09,122.94	14,51,823.19	...	54,60,946.13	4/7/10/1

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	Govt. Regn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1978
				Improvement Committee Resolution		
(1)	(2)	(3)	(4)	(5A)	(5B)	(6)
	Total—Brought forward		Rs. 2,63,02,760			Rs. 2,62,22,760
33	Cabhasi, Jogeshwari	4658/75	4,83,150	653	9-3-1976	4,83,150
34	Azad, Mulund (East)	4237/74	29,44,000	640	9-3-1976	29,44,000
35	Rutarajan, Andheri (East)	4623/75	2,45,160	617	2-3-1976	2,45,160
36	Bilwaknaja, Mulund (West)	4402/75	31,70,300	511	21-1-1976	31,70,300
37	Om Shri Gokul, Borivli (West)	4660/75	19,44,900	567	10-2-1976	19,44,900
38	Vishramyog, Borivli (West)	4086/73	50,40,500	656	19-3-1976	50,40,500
39	Anjalikiran, Vakola	4136/74	21,50,000	643	9-3-1976	21,50,000
40	Titirsha, Chikala	4648/75	2,68,500	655	9-3-1976	2,68,500
41	Om Satya Vinayak, Borivli	4607/75	17,22,000	85	27-7-1976	17,22,000
42	Municipal Satyam, Mulund	4712/76	4,70,400	634	9-3-1976	4,70,400
43	Municipal Staff Huma, Andheri (West)	4861/76	8,50,000	269	16-10-1976	8,50,000
44	Giri Kujan, Andheri (East)	4847/76	5,18,000	155	25-8-1976	5,18,000
45	Adarsha Vasant Bahar, Vile Parle (East)	4650/75	8,74,000	184	14-9-1976	8,74,000
46	Datta Dham, Kandivli (West)	4825/76	3,37,400	154	25-8-1976	3,37,400
47	Muktanagar, Dahisar (East)	4777/76	7,25,000	259	16-10-1976	7,25,000
48	Neeclayam, Mulund (West)	4526/75	3,32,000	185	14-9-1976	3,32,000
49	Nutan Nishigandhi, Vile Parle (East)	4633/75	9,79,000	311	27-11-1976	9,79,000
50	Nav Sai Prasad, Mulund	4640/75	7,99,920	360	7-12-1976	7,99,920
51	Taruvel, Andheri (East)	4559/75	13,99,700	177	14-9-1976	9,09,805
52	Harshan, Andheri (West)	4190/74	10,63,000	265	16-10-1976	6,90,950
53	Dharmashetra No. 4, Borivli (West)	4324/74	3,17,000	263	16-10-1976	3,17,000
54	Galaxi Municipal Teachers, Andheri (West)	4568/75	5,06,000	186	14-9-1976	3,28,900
55	Sion Bhagyodaya	4473/75	5,68,000	178	14-9-1976	3,69,200
56	Vile Parle Dhanshri	4560/75	3,32,000	371	16-10-1976	3,32,000
57	Bombay Fire Fighters	4750/76	10,74,000	318	27-11-1976	10,74,000
58	Mai Krupa Sagar, Mahim	4309/74	5,46,000	315	27-11-1976	5,46,000
59	Kandivali Priya Darshini	4590/75	10,83,000	278	16-10-1976	7,03,950
60	Municipal Staff Mandar, Borivali (West)	4957/76	16,00,900	19	7-6-1977	16,00,900
61	Om Shubham Karoti, Kiroli	4335/74	4,86,000	261	16-10-1976	3,15,900
62	Santata, Mulund	4147/74	6,04,000	339	3-12-1976	6,04,000
63	Om Jai Shri Gurukrupa, Kanheri	4819/76	14,22,900	561	1-3-1977	14,22,900
64	Joy Pragati, Kondivita	4732/76	10,01,300	524	8-2-1977	10,01,300
65	New Nahur Gurukrupa, Mulund	4672/75	13,17,000	570	1-3-1977	13,17,000
66	Tree Shade, Gundavali	4256/74	33,67,000	275	16-10-1976	21,88,550
67	Nathaji Dwar, Kandivali (East)	4457/75	9,02,800	52	12-7-1977	1,96,820
68	Municipal Shree Jagadamba, Magathane	4859/76	17,64,400	25	7-6-1977	17,64,400
69	Vile Parle Shreeji	5153/77	4,90,300	241	9-8-1977	4,90,300
70	Naveen Anand, Mulund	4766/76	4,81,800	17	7-6-1977	3,12,650
	Total Carried over		6,98,83,290			6,65,63,515

No. 34C

of the Municipal Employees as on 31st March 1978

Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS
Loan Balance outstanding as on 31-3-1977	Amount of Loan paid during 1977-78	Less : Loan Amount repaid during 1977-78	Loan Balance outstanding as on 31-3-1978	Interest outstanding as on 1-4-1977	Interest Accrued during 1977-78	Less : Interest recovered during 1977-78	Interest outstanding as on 31-3-1978†	
(7A)	(7B)	(7C)	(7D)	(8A)	(8B)	(8C)	(8D)	
Rs. P.	Rs.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	9
2,30,62,517.80	...	13,21,620.05	2,25,40,897.75	40,09,122.94	14,51,823 19	...	54,60,946.13	
4,83,150.00	...	25,650.00	4,57,500.00	19,400.48	29,831 04	...	49,231 52	17th
19,13,600.00	10,30,400	...	29,44,000.00	75,616.49	1,79,059 95	...	2,54,676 34	6/9/12/3
2,45,160.00	...	...	2,45,160.00	10,417.21	15,322 50	...	25,739 71	7th
20,60,695.00	11,09,685	...	31,70,300.00	97,253.36	1,51,593 66	...	2,48,847 02	5/8/11/2
18,53,733.00	...	1,22,873.00	17,31,660.00	1,00,377.65	1,12,329 84	...	2,12,707 49	29th
32,76,325.00	17,64,175	...	50,40,500.00	1,12,418.77	2,36,791 48	...	3,49,210 25	5/8/11/2
13,97,500.00	7,52,500	...	21,50,000.00	49,792.42	1,15,562 58	...	1,65,355 00	10th
1,74,525.00	93,975	...	2,68,500.00	6,429.75	16,725 00	...	22,454 75	4/8/11/2
11,19,300.00	6,02,700	...	17,22,000.00	28,734.42	1,00,710 53	...	1,29,444 95	5th
4,63,050.00	...	29,400.00	4,33,650.00	14,327.48	28,235 86	...	42,563 34	7/10/1
8,50,000.00	...	...	8,50,000.00	10,319.36	53,125 00	...	63,444 36	5th
3,18,000.00	...	32,502.00	4,85,498.00	7,628.09	31,288 99	...	38,917 08	4/7/10/1
5,68,100.00	3,85,900	55,000.00	8,19,000.00	6,420.31	52,884 58	...	59,304 89	12th
3,37,400.00	...	17,150.00	3,20,250.00	3,350.89	20,527 64	...	23,878 53	6/9/12/3
7,25,000.00	...	47,000.00	6,78,000.00	6,207.20	44,176 95	...	50,384 15	2nd
99,600.00	2,32,400	...	3,32,000.00	955.07	14,880 33	...	15,835 40	18/11/2
2,93,700.00	6,85,300	...	9,79,000.00	50.29	40,065 27	...	40,115 56	10th
2,39,976.00	5,59,914	...	7,99,920.00	1,520.40	31,633 85	...	33,154 25	18/11/2
4,19,910.00	4,89,895	...	9,09,805.00	1,078.54	41,008 36	...	42,086 90	...
3,18,900.00	3,72,050	...	6,90,950.00	1,146.73	30,325 20	...	31,971 93	...
95,100.00	2,21,900	...	3,17,000.00	244.26	11,358 27	...	11,602 53	...
1,51,800.00	1,77,100	...	3,28,900.00	545.86	14,855 10	...	15,400 96	...
...	3,69,200	...	3,69,200.00	...	13,888 78	...	13,888 78	5th
...	3,32,000	...	3,32,000.00	...	8,859 98	...	8,859 98	6/9/12/3
...	10,74,000	...	10,74,000.00	...	31,668 32	...	31,668 32	...
...	5,46,000	...	5,46,000.00	...	12,986 20	...	12,986 20	...
...	7,03,950	...	7,03,950.00	...	18,284 91	...	18,284 91	...
...	16,00,900	51,800.00	15,49,100.00	...	65,681 50	...	65,681 50	1st
...	3,15,900	...	3,15,900.00	...	8,288 64	...	8,288 64	5/8/11/2
...	6,04,000	...	6,04,000.00	...	12,183 44	...	12,183 44	...
...	14,22,900	46,500.00	13,76,400.00	...	49,225 52	...	49,225 52	9th
...	10,01,300	...	10,01,300.00	...	37,317 35	...	37,317 35	6/9/12/3
...	13,17,000	...	13,17,000.00	...	28,764 29	...	28,764 29	...
...	21,88,550	...	21,88,550.00	...	73,451 39	...	73,451 39	...
...	1,96,820	...	1,96,820.00	...	3,043 55	...	3,043 55	...
...	17,64,400	31,900.00	17,32,500.00	...	47,078 34	...	47,078 34	26th
...	4,90,300	11,500.00	4,78,800.00	...	14,118 85	...	14,118 85	4/7/10/1
...	3,12,650	...	3,12,650.00	...	7,070 87	...	7,070 87	13th
4,14,67,041.80	2,26,37,714	17,92,695.05	6,23,12,660.75	45,63,357.97	32,55,827.00	...	78,19,184.97	4/7/10/1

APPENDIX

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

Serial No.	Name of the Co-operative Housing Society	Govt. Regn. No. BOM/HSG	Amount of Housing Loan sanctioned	AUTHORITY		Amount of the Loan released upto 31-3-1978
				Improvement Co-ordinated Resolution No.	Date	
(1)	(2)	(3)	(4)	(5A)	(5B)	(6)
			Rs.			Rs.
	Total—Brought over		6,98,53,290			65,63,515
71	Mahad Borani Prasad	4643/75	13,37,200	24	7-6-1977	4,01,160
72	Ashoka Vasant Boker Unit-2	4650/75	11,13,000	21	7-6-1977	7,23,450
73	Corpuscular, Mahad (East)	4981/76	3,70,400	22	7-6-1977	2,40,760
74	Sun Rock Municipal, Danda	5115/77	5,20,400	285	16-8-1977	5,20,400
75	Om Satalaj, Irla	4971/76	4,55,200	343	4-10-1977	2,95,880
76	Mahad Mirajarchana, Mahad	4806/76	10,84,800	18	7-6-1977	3,25,440
77	Sharda Municipal Employees, Arxivali	5102/77	15,06,700	250	9-8-1977	9,79,355
78	Marg Deep, Chakala	4749/76	3,19,260	523	8-2-1977	95,775
79	Kilal, Mahad	4809/76	5,16,000	243	9-8-1977	1,54,800
80	Bhagya Yog, Borivali	5080/77	7,00,000	242	9-8-1977	7,00,000
81	Borivali Janakalyan	4989/76	20,27,500	235	9-8-1977	13,17,875
82	Mahad Kalindi	4964/76	2,95,800	248	9-8-1977	1,92,270
83	Radhika Kishin Niwas, Santacruz (West)	3915/73	8,56,300	438	6-12-1977	8,56,300
84	Municipal Employees' Akanksha	4996/76	4,82,000	617	30-3-1977	4,82,000
85	Mahad Mendar	4962/76	6,39,200	224	9-8-1977	...
	Total		8,21,07,050			7,38,48,980

† 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 Employees etc., as per the conditions laid down in the Improvement Committee's Resolution, No. 455 of 12-1-1971 and No. 408 of 22-10-1972.

No. 90 C

of the Municipal Employees as on 31st March 1978

(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT				DUE DATES OF REPAYMENTS
Loan Balance outstanding as on 1-4-1977	Amount of Loan paid during 1977-78	Less : Loan Amount repaid during 1977-78	Loan Balance outstanding as on 31-3-1978	Interest outstanding as on 1-4-1977	Interest Accrued during 1977-78	Less : Interest recovered during 1977-78	Interest outstanding as on 31-3-1978	
(7A)	(7B)	(7C)	(7D)	(8A)	(8B)	(8C)	(8D)	
Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	9
4,14,67,041.80	2,26,37,714	17,92,095.05	6,23,12,660.75	45,63,357.97	32,55,827.00		78,19,184.97	
...	4,01,160	...	4,01,160	...	10,853.31	...	10,853.31	...
...	7,23,450	...	7,23,450	...	19,572.81	...	19,572.81	...
...	2,40,760	...	2,40,760	...	4,319.22	...	4,319.22	...
...	5,20,400	...	5,20,400	...	10,105.04	...	10,105.04	...
...	2,95,880	...	2,95,880	...	9,312.50	...	3,129.50	...
...	3,25,440	...	3,25,440	...	6,631.40	...	6,631.40	...
...	9,79,355	...	9,79,355	...	-18,111.38	...	18,111.38	...
...	95,775	...	95,775	...	1,393.99	...	1,393.99	...
...	1,54,800	...	1,54,800	...	1,855.48	...	1,855.48	...
...	7,00,000	...	7,00,000	...	6,113.02	...	6,113.02	...
...	13,17,875	...	13,17,875	...	11,734.52	...	11,734.52	...
...	1,92,270	...	1,92,270	...	625.54	...	625.54	...
...	8,56,300	...	8,56,300	...	2,639.28	...	2,639.28	14h
...	4,82,000	...	4,82,000	...	1,155.48	...	1,155.48	6/9/12/3 18h
...	...	...	...	...	...	...	...	6/9/12/3
4,14,67,041.80	2,99,23,179	17,92,095.05	6,95,98,125.75	45,63,357.97	33,54,065.97	...	79,17,424.94	

Reconciliation :-

	Rs. P.	Rs. P.
As per Abstract IV-C (subsidiary)	...	2,87,70,887.03
Less—Other than Individual Societies Haji Ali Park Worli	... 80,073.03	— 80,073.03
		2,86,90,814.00
Add—Debits raised during 1976-77 but payments released during 1977-78.	...	17,96,175.00
		3,04,86,989.00
Less—Debits raised during 1977-78 but payments outstanding as on 31-3-1978	...	— 5,63,810.00
As per Column No. (7B) above	...	2,99,23,179.00

**APPENDIX No. 31
EDUCATION FUND**

Revenue Account for the year ended 31st March 1978.

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure ...	21,46,76,666	59	By Revenue Receipts ...	21,80,35,759	65
To Balance being Surplus for the year ...	33,59,093	06	By Balance being deficit for the year ...	...	...
Total ...	21,80,35,759	65	Total ...	21,80,35,759	65
To Revenue Expenditure to be incurred in 1978-79 and provided for as Renewed Grants...	1,73,00,000	00	By Surplus Revenue Fund as at 1st April 1977 ...	1,72,72,695	16
To Deficit for the year ...	...	...	By Revenue of previous years reserved for the year 1977-78 ...	1,11,50,000	00
To Balance being Surplus Revenue Fund as at 31st March 1978 ...	1,42,81,783	22	By Surplus for the year ...	33,59,093	06
Total ...	3,17,81,788	22	Total ...	3,17,81,788	22

APPENDIX No. 34

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1978.

Liabilities.			Assets		
	Rs.	P.		Rs.	P.
Due on Cheques Payable	15,35,231	12	Cash at Bank Rs. -7,59,294	64	79,84,154 93
			Cash in Office Rs. 87,43,449	62	
Due on Outstanding Charges on account of Interest Accrued but Not Paid (Appendix-39 B)	15,76,131	53	Education Loan Interest Warrants Payable Account.		850 25
Unclaimed Dues & Deposits (Refundable) Account (Appendix-39)	5,19,400	11	Advances--Recoverable		
			Municipal Officers Rs. 3,77,661	84	92,96,064 77
			Sundries--Miscellaneous advances Rs. 89,18,402	93	
Deposits in Cash and Public Securities from Contractors and Private Parties (Appendix-39A)	1,29,02,926	31	Deposits--		
			In Securities ... Rs. 25,100	00	25,100 00
			In Office ...		
Municipal Contribution Payable to Budget 'A'			Municipal Contribution Receivable:--		
Division I Rs. ...			From Budget 'A'		
Do. II Rs. ...			Div. I 1,48,40,314	72	1,50,42,727 07
Do. III Rs. 8,261 07	8,261	07	Division II Rs. 2,02,412	35	
Endowment Fund (Appendix-41 A)	4,72,168	64	Investments--		
			Endowment Fund--		
			(Appendix-41A)		
			In securities Rs. 4,66,105	45	4,72,168 64
			In Fixed Deposit Rs. 6,000	00	
			In cash Rs. 63	19	
Due on Outstanding Charges for 1977-78 and previous year	1,75,00,000	00	Surplus Fund--		
			In Securities* Rs. 1,59,01,088	99	
Surplus Revenue Fund (Vide Appendix No. 3f)	1,42,81,788	22	In Call Deposit		
			In Cash at Bank Rs. 73,752	30	1,59,74,841 29
Total	4,87,95,907	00	Total	4,87,95,907	00

* Details of Securities held in Surplus Fund--

	Face value		Book Value	
	Rs.	P.	Rs.	P.
3/4 Conversion Loan 1946	1,600		1,288.99	
6% Rs. 25 lakhs B. M. D. Budget 'E' (Internal) Loan 1967-68	29,91,500		29,91,500.00	
6% Rs. 20 lakhs B. M. D. Budget 'E' (Internal) Loan 1971-72	4,04,500		4,04,500.00	
6% Rs. 100 lakhs B. M. D. Budget 'E' (Internal) Loan 1972-73	76,60,100		76,60,101.00	
6% Rs. 50 lakhs B. M. D. Budget 'A' Div-I Loan 1965-66	53,73,000		53,73,000.00	
6 1/2% Rs. 50 lakhs B. M. D. Budget 'E' (Internal) Loan 1974-75	2,25,700		2,25,700.00	
6 1/2% Rs. 50 lakhs B. M. D. Budget 'E' (Internal) Loan 1975-76	19,45,000		19,45,000.00	
Total	1,59,01,400		1,59,01,088.99	

**APPENDIX No. 36 (Contd.)
EDUCATION FUND**

Block Account showing details of Capital Expenditure upto 31st March 1978.

Serial No.	Item No. Revise Estimates 1977-78	Particular of Capital Work	Total Capital Expenditure upto 31st March 1977		Capital Expenditure during 1977-78		Total Capital Expenditure upto 31st March 1978	
			Rs.	P's.	Rs.	P's.	Rs.	P's.
		Loan Funds						
		City Section						
		Works completed						
		Acquisition						
2(i)	5	Acquisition of property bearing No. S-No. 5 (Part) of Matunga Division for Municipal School and Play ground. (F/N)	6,62,15,900.42					6,62,15,900.42
2(ii)	11	Acquisition of C. S. No. 4316, 4317, 4318 & 4321 of Bhuleshwar Division for Municipal School. (C)			1,97,928.00			1,97,928.00
		Total— Lump sum provision for Acquisition of sites			2,072.00			2,072.00
					2,00,000.00			2,00,000.00
		Constructions						
3	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)	8,66,614.95		3,22,567.02			11,89,181.97
4	24	Lump sum provision for providing suction Tanks etc. in Municipal School Bldg. (All Ward)	1,67,292.57		14,532.54			1,81,845.11
5	25	Lump sum provision for construction compound walls around Municipal School Bldg. (All Ward)	3,23,077.05		1,09,803.17			4,32,880.22
6	26	Construction of School Bldg. on Plot No. 240 (pt.) Lower Parel Division, Low Level West Talchekarwadi. (G/S)	12,12,324.68		19,475.00			12,31,799.68
7	27	Construction of Municipal School Bldg. on C. S. No. 10 (Pt) Matunga Division behind Matunga Pumping Station at Lakamsi Napoo Road. (F/N)			730.27			730.27
8	29	Construction of a School Bldg. on the piece of land offered by Central Govt. in Central Govt. Colony at Sion Koliwada (F/N)			3,167.25			3,167.25
9	31	Construction of School Bldg. @ Sahakar Nagar, Wadala. (F/N)	15,16,440.95		6,00,000.00			21,16,440.95
10	33	Construction of Additional floor over Municipal School Bldg. on Plot No. 271, 272 Sion Matunga. (F/N)	4,46,058.46		1,415.92			4,47,474.38
11	34	Construction of a School Bldg. at N. M. Joshi Marg C. S. No. 1946 to 1948. (G/S)	10,86,192.97		5,11,986.76			15,98,179.73
12	36	Construction of a School Bldg. at Dhorwadi, Dharavi. (G/N)	4,10,803.86		14,12,989.87			18,23,793.73
13	38	Construction of a School Bldg. at Golanji Hill. (F/S)			11,02,798.67			11,02,798.67
14	39	Extension to Municipal School Bldg. at Mavji Rathod Road, Bombay-9. (B)	78,622.63		4,50,040.75			5,28,663.38
15	40	Construction of School Bldg. on the Municipal Land at Ghogari Mohalla. (B)	4,29,000.96		12,414.92			4,41,415.88
16	41	Construction of School Bldg. on C. S. No. 70 of Parel Sewri 70 (Pt) Currey Road Low Level. (F/S)	12,42,238.13		14,13,435.35			26,55,673.48
17	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)			4,571.88			4,571.88
18	43	Construction of a School Bldg. in the J. J. Hospital Compound. (B)	13,50,777.06		1,598.18			13,52,375.24
19	44	Construction of School Bldg. at Mahalaxmi Temple Compound Plot bearing C. S. No. 83 (P) of Malbar Hill Division. (D)	7,16,343.18		11,465.28			7,27,808.46
20	45	Construction of School Bldg. at Vithal Sianna Pavalian Stable St. Kamathipura. (E)	17,57,791.29		3,40,701.63			20,98,492.92
21	46	Construction of New School Bldg. at 2nd Peerkhau St. Nagapada Division. (B)	8,86,225.53		3,28,681.93			12,14,907.46
22	47	Construction of School Bldg. at B. D. D. Chawl No. 10, N. M. Joshi Marg, Near Sitaram Mills. (G/S)	6,249.29		63,361.16			69,610.45
23	48	Construction of School Bldg. on F. P. 998 T. P. Sch. IV Mahim Kakasaheb Gadgil Marg, Khed Gully. (G/S)	2,07,640.64		4,56,611.27			6,64,251.91
24	50	Proposed School Bldg. at Sindhi Lane, C Ward. (C)	7,175.00		3,941.22			11,116.22
25	61	Lump Sum provision for providing furniture and equipments in newly constructed Municipal Schools All.	1,57,318.15		6,83,726.84			8,41,044.99
26	68	Construction of School Bldg. near Badami Koyala Karkhans at Dharavi. (G/N)			5,506.56			5,506.56
27	71	Construction of a School Bldg. of ground and three upper floors at Matunga Labour Camp. (F/N)	4,500.00		34.62			4,534.62
28	74	Lump sum provision for water proofing to Municipal School Bldg. in City (All Ward)			4,99,615.28			4,99,615.28
		Total City Section (Construction)	1,28,72,687.35		83,75,194.34			2,12,47,881.69
		Grand Total—City Section	7,90,88,587.77		85,75,194.34			3,76,63,782.11

APPENDIX No. 36-(Contd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1978.

Serial No.	Item No. Revised Estimates 1977-78	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1977		Capital Expenditure during 1977-78		Total Capital Expenditure upto 31st March 1978
			Rs.	Ps.	Rs.	Ps.	Rs. Ps.
		Loan Funds					
		Suburban Section.					
1		Works completed	3,69,92,551.55				3,69,92,551.55
		Acquisition.					
2(i)	17	Lease of four plots of Boards land at Tagore Nagar, Vikhroli to B. M. C. School. (N)	..		683.37		683.37
2(ii)	..	Lump-sum provision for acquisition of sites at Chembur. (M)	..		Cr. 69,646.33		Cr. 69,646.33
		Total—Lump-sum provision for Acquisition of sites	..		Cr. 68,962.96		Cr. 68,962.96
		Construction					
3	18	Lump sum provision for providing suction Tank at Municipal School Bldg. (All Wards)	17,16,556.57		12,482.87		17,29,039.44
4	19	Lump sum provision for constructing compound walls around Municipal School Building. (All Wards)	5,99,060.31		1,03,810.99		7,02,871.30
5	21	Construction of school bldg. at Sahakar Nagar, Chembur. (M)	18,50,801.87		20,398.55		18,71,200.42
6	23	Construction of School Bldg. at Tata Compound, Anilheri. (K/W)	..		65,466.27		65,466.27
7	24	Construction of school bldg. on Garden plot at Bail Bazar Road, Kurla. (L)	8,24,808.11		33,924.33		8,58,732.44
8	25	Extension of Municipal School Bldg. at Kher Nagar, Bandra. (H/East)	17,00,182.98		31,073.23		17,31,256.21
9	27	Construction of School Bldg. at Pant Nagar, Ghatkopar East. (N)	19,05,948.42		78,640.61		19,84,589.03
10	28	Construction of School Bldg. at Kannanwar Nagar, Vikhroli (East). (N)	15,58,152.16		91,585.41		16,49,737.57
11	30	New School Bldg. for Manekji Gazdar Upper Primary School at Gazdar Park Scheme, Santacruz (W) (K/W)	12,29,642.42		61,149.83		12,90,792.25
12	31	Construction of Municipal School Bldg. at Vikhroli Village, Vikhroli (East) at Godrej Plot. (N)	7,00,528.10		1,50,052.19		8,50,580.29
13	32	Primary School at Narli Agripada, 18th Road, Khar. (K/W)	1,45,974.72		4,11,574.08		5,57,548.80
14	33	Construction of School Bldg. at Bombotwadi, Mankhurd. (M)	8,72,849.24		16,610.08		8,89,459.32
15	34	Construction of School Bldg. on the vacant plot of Kurla Slaughter House at Kasaiwada, Kurla. (L)	8,98,532.03		5,51,683.53		14,50,215.56
16	35	Construction of a school Bldg. on Jaokar's Plot, Chuna-bhatti, Kurla. (L)	6,353.43		3,05,563.24		3,11,916.67
17	36	Construction of School Bldg. on the Plot occupied by Old Muni. Office, at Moreshwar Patankar Marg, Kurla (L)	342.83		4,49,442.42		4,49,785.25
18	37	Construction of additional 1st and 2nd floors on Municipal Gujarati School Bldg., 6th Road, T. P. S. III, Santacruz. (K/W)	..		2,94,996.77		2,94,996.77
19	38	Extension of School Bldg. at Prabhakar Keluskar Marg, Kurla. (L)	..		5,863.14		5,863.14
20	39	Lump sum provision for S. P. Sheds in Suburban Section. (All Wards)	13,77,219.55		5,93,598.74		19,70,818.29
21	40	Lump sum provision for extension and addition etc. to Municipal School Bldg. (All Wards)	2,61,186.03		1,34,570.57		3,95,756.60
22	41	Primary School at Vikhroli (Park Site). (N)	1,811.25		10,78,913.45		10,80,724.70
23	43	Construction of primary school Bldg. at Mahatma Gandhi Road, Vile Parle (East). (K/E)	758.57		13,00,000.00		13,00,758.57
24	44	Construction of a school bldg. on a plot reserved by Govt. of Maharashtra for Municipal school at Anik Chembur. (M)	..		445.15		445.15
25	45	Provision of school at Oshivara. (K/W)	5130.86		625.82		5756.68
26	46	Construction of Muni. School at Tarun Bharat Co-op. Hsg. society at Chakala Village. (K/E)	555.04		2,22,438.07		2,22,993.11
27	47	Additional 2nd floor over school bldg. at Bail Bazar, Kurla. (L)	..		422.98		422.98
28	48	Proposed school Bldg. in G. S. No. 341 (Pt.) Bandra in Govt. Servants' Colony. (H/P)	..		3,590.66		3,590.66
29	49	Extension to School Bldg. at Dadabhai Lane Vile Parle (West), Sanyashram Road. (K/W)	707.76		1,90,274.00		1,90,981.76
30	50	Additional floor over Muni. School Bldg. at S. G. Barve Nagar, Ghatkopar	1,79,275.90		3,94,273.42		5,73,549.32
31	52	Proposed school Bldg. on land donated by Sherwala Maharaj at Jogeshwari (East). (K/East)	..		73,939.12		73,939.12
32	58	Construction of a School Bldg. in Chembur Labour Camp. (M)	8,00,000.00		7,18,049.14		15,18,049.14
33	60	Providing scout camp and Botanical garden at Powai (N)	..		58,847.61		58,847.61
34	68	Construction of a School Bldg. Opp. K. V. K. High School, Ghatkopar. (N)	..		9,02,375.77		9,02,375.77
35	62	Lump sum provision for providing furniture & equipments in newly constructed Muni. schools.	2,91,649.01		6,48,833.31		9,40,482.32
36	68	Proposed extension to school Bldg. at Kherwadi, Bandra (East). (H/East)	..		9,95,631.52		9,95,631.52
37	69	Additional 3rd floor over school Bldg. at Park Site, Vikhroli. (N)	..		445.15		445.15
38	71	Construction of School at Jawahar Nagar, Khar. (K/W)	..		588.24		588.24
39	75	Construction of 5 class rooms on the terrace of Match Factory Lane School, Kurla. (L)	54,000.00		1,300.00		55,300.00
40	78	Lump sum provision for water proofing treatment and Muni. School Bldg. in Suburban. (All Ward.)	..		17,451.40		17,451.40
		Total—Suburban Section (Constructions)	1,69,82,027.16		1,00,20,931.66		2,70,02,958.82
		Grand Total—Suburban Section	5,39,74,578.71		99,51,968.70		6,39,26,547.41

APPENDIX No. 36-(Concl'd.)

EDUCATION FUND

Block Account showing details of Capital Expenditure upto 31st March 1978.

Serial No.	Item No. Revised Estimates 1977-78	Particulars of Capital Works	Total Capital Expenditure upto 31st March 1977		Capital Expenditure during 1977-78		Total Capital Expenditure upto 31st March 1978	
			Rs.	Ps.	Rs.	Ps.	Rs.	Ps.
		<u>Loan Funds</u>						
		<u>Extended Suburban Section</u>						
1		Works Completed ..	2,25,05,837.81		..			2,25,05,837.81
		<u>Acquisition</u>						
2	1	Acquisition of G. V. Scheme plot in the Mulund (East), for school and playground plot Nos. 18, 19, & 30, 31 (N) ..	..		2,00,000.00			2,00,000.00
		Total—Lump-sum provision for Acquisition of sites ..	..		2,00,000.00			2,00,000.00
		<u>Constructions</u>						
3	15	Lump sum provision for semi permanent structures in the Extended Suburbs. (All Wards) ..	9,72,501.23		1,62,088.63			11,48,589.86
4	17	Lump sum provision for constructing compound walls around Muni. School Bldg. (All Wards) ..	5,74,858.63		22,015.21			5,96,873.84
5	19	Construction of School Bldg. at Rajda Nagar, Borivali. (R) ..	20,01,253.04		1,15,644.00			21,16,897.04
6	21	Construction of School Bldg. at Kasturba Cross Road Final Plot No. 48 & 50 at T. P. S. S. V. Road, Borivali (East). (R) ..	..		19,13,455.19			19,13,455.19
7	22	Construction of a Municipal School Bldg. at Kanjar Village. (N) ..	5,41,434.46		8,996.11			5,50,430.57
8	24	Construction of a School Bldg. on Mhatre Plot Quarry Road, Malad. (P) ..	14,84,567.86		2,52,243.64			17,35,811.50
9	25	Construction of a School Bldg. for Primary School at Dity's Plot, Nathubhai Laxmanji Road, Malad (West). (P) ..	22,97,140.75		2,772.65			22,99,913.42
10	26	Extension of a School at Pahadi Village Goregaon (East). (P) ..	15,43,831.43		4,96,615.26			20,40,446.69
11	27	Extension to School Bldg. at Mitha Nagar Goregaon (West). (P) ..	..		422.97			422.97
12	28	Construction of School Bldg. in Nimani Plot at S. V. Road, Malad. (P) ..	14,26,221.17		41,733.51			14,67,954.68
13	29	Construction of a School Bldg. at Sodawala Lane, Borivali. (R) ..	21,84,859.99		4,88,347.75			25,73,207.74
14	30	Construction of School Bldg. at Furshettam Kheraj Road, Mulund (West) (T) ..	12,92,775.83		2,103.33			12,94,879.13
15	32	Construction of School Bldg. at Gaushala Road, Plot No. 575-576, Mulund (West) (T) ..	27,56,633.32		5,93,492.44			33,50,095.76
16	33	Conversion of Katcha Structures into a permanent pucca structures at Uday Muni. School at Cacek Naka, Mulund. (T) ..	758.57		1,04,937.45			1,05,696.02
17	34	Construction of school Bldg. at Tempapada Bhandup in place of old structure. (N) ..	6,54,533.27		19,963.02			6,74,496.29
18	36	Construction of a School Bldg. at S. No. 99 (Part) Malvani. (P) ..	..		588.22			588.22
19	37	Construction of Mulund Colony School and play Ground at S. No. 165, Mulund. (T) ..	555.03		4,92,510.58			4,93,065.61
20	38	Construction of additional floor on the existing Muni. School at S. L. Road, Mulund (West). (T) ..	..		33,372.42			33,372.42
21	40	Proposed school Bldg. at Rajendra Nagar Borivali (R) ..	8,167.29		1,14,527.10			1,22,694.39
22	44	Construction of a School Bldg. at Bharucha Road, Dahisar. (R) ..	..		4,90,830.73			4,90,830.73
23	45	Lump sum provision for providing furniture equipment newly constructed Muni. Schools. (All Wards) ..	4,27,283.83		5,58,934.57			9,86,218.40
24	48	Construction of School Bldg. of Talepakhadi (Borivali) (R) ..	..		293.97			293.97
25	50	Lump sum provision for water proofing treatment to Muni. Schools Bldgs. in Extended Suburbs. (All Wards) ..	..		814.95			814.95
		Total—Extended Suburban Section (Constructions) ..	1,88,74,333.63		59,23,733.63			2,47,98,067.26
		Grand Total—Extended Suburban Section ..	4,13,80,177.49		61,23,733.63			4,75,03,911.17

APPENDIX No. 37
EDUCATION FUND

Statement showing outstanding loans due by the Bombay Municipal Corporation, the interest outstanding on 1st April 1977 on the different Loans, the amount payable for the year 1977-78, the amount paid to the State Bank of India, and in Office during that year and the balances outstanding on 31st March 1978.

Particulars of Loans.	Rate of Interest Percent. P. a.	Balance due on 1-4-1977	Amount raised in 1977-78.	Total	Amount repaid in 1977-78.	Balance due on 31st March 1978	Interest outstanding on 1-4-1977.		Interest payable in 1977-78.		Total interest due.	Deduct interest paid by the State Bank of India and in Office.		Outstanding balance on 31st March 1978 (Renewal)
							Rs.	P.	Rs.	P.		Rs.	P.		Rs.	P.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
Loans raised from the Public		Rs.		Rs.		Rs.	Rs.	P.	Rs.	P.	Rs.	P.	Rs.	P.
(1) Rs. 10 Lakhs Education Loan of 1960-61. *	4½	10,00,000	---	10,00,000	---	10,00,000	---	---	42,500.00	---	42,500.00	---	---	---
(2) Rs. 10 Lakhs Education Loan of 1961-62. *	4½	10,00,000	---	10,00,000	---	10,00,000	---	---	42,500.00	---	42,500.00	---	---	---
(3) Rs. 25 Lakhs Education Loan of 1962-63. *	4½	25,00,000	---	25,00,000	---	25,00,000	---	---	1,12,500.00	---	1,12,500.00	---	---	---
(4) Rs. 12.5 Lakhs Education Loan of 1963-64. *	4½	12,50,000	---	12,50,000	---	12,50,000	---	---	59,375.00	---	59,375.00	---	---	---
(5) Rs. 50 Lakhs Education Loan of 1965-66.	5½	50,00,000	---	50,00,000	50,00,000	---	3,910.00	---	2,87,500.00	---	2,91,410.00	---	---	---
(6) Rs. 25 Lakhs Education Loan of 1966-67.	5½	25,00,000	---	25,00,000	---	25,00,000	---	---	1,43,750.00	---	1,43,750.00	---	---	---
(7) Rs. 25 Lakhs Education Loan of 1966-67. *	6	25,00,000	---	25,00,000	---	25,00,000	---	---	1,50,000.00	---	1,50,000.00	---	---	---
(8) Rs. 25 Lakhs Education Loan of 1967-68. *	6	25,00,000	---	25,00,000	---	25,00,000	---	---	1,50,000.00	---	1,50,000.00	---	---	---
(9) Rs. 27.5 Lakhs Education Loan of 1968-69.	6	27,50,000	---	27,50,000	---	27,50,000	117.00	---	1,65,000.00	---	1,65,117.00	---	---	5,157.00
(10) Rs. 20 Lakhs Education Loan of 1968-69. *	6	20,00,000	---	20,00,000	---	20,00,000	---	---	1,20,000.00	---	1,20,000.00	---	---	---
(11) Rs. 27.5 Lakhs Education Loan of 1969-70.	6	27,50,000	---	27,50,000	---	27,50,000	---	---	1,65,000.00	---	1,65,000.00	---	---	---
(12) Rs. 16.5 Lakhs Education Loan of 1970-71. 1st Issue	6	16,50,000	---	16,50,000	---	16,50,000	---	---	99,000.00	---	99,000.00	---	---	---
(13) Rs. 16.5 Lakhs Education Loan of 1970-71. 2nd Issue	6	16,50,000	---	16,50,000	---	16,50,000	7,200.00	---	99,000.00	---	1,06,500.00	---	---	10,500.00
(14) Rs. 33 Lakhs Education Loan of 1971-72.	6	33,00,000	---	33,00,000	---	33,00,000	---	---	1,98,000.00	---	1,98,000.00	---	---	---
(15) Rs. 20 Lakhs Education Loan of 1971-72. *	6	20,00,000	---	20,00,000	---	20,00,000	---	---	1,20,000.00	---	1,20,000.00	---	---	---
(16) Rs. 82.5 Lakhs Education Loan of 1972-73.	6	82,50,000	---	82,50,000	---	82,50,000	11,925.00	---	4,95,000.00	---	5,06,925.00	---	---	16,815.00
(17) Rs. 100 Lakhs Education Loan of 1972-73. *	6	1,00,00,000	---	1,00,00,000	---	1,00,00,000	---	---	6,00,000.00	---	6,00,000.00	---	---	---
(18) Rs. 110 Lakhs Education Loan of 1973-74.	6	1,10,00,000	---	1,10,00,000	---	1,10,00,000	---	---	6,00,000.00	---	6,00,000.00	---	---	---
(19) Rs. 50 Lakhs Education Loan of 1974-75. *	6½	50,00,000	---	50,00,000	---	50,00,000	---	---	3,12,500.00	---	3,12,500.00	---	---	---
(20) Rs. 110 Lakhs Education Loan of 1974-75	6½	1,10,00,000	---	1,10,00,000	---	1,10,00,000	---	---	6,87,500.00	---	6,87,500.00	---	---	---
(21) Rs. 55 Lakhs Education Loan of 1975-76.	6½	55,00,000	---	55,00,000	---	55,00,000	11,359.75	---	3,43,750.00	---	3,55,109.75	---	---	41,843.75
(22) Rs. 50 Lakhs Education Loan of 1975-76 *	6½	50,00,000	---	50,00,000	---	50,00,000	---	---	3,12,500.00	---	3,12,500.00	---	---	---
(23) Rs. 55 Lakhs Education Loan of 1976-77	6½	55,00,000	---	55,00,000	---	55,00,000	---	---	3,43,750.00	---	3,43,750.00	---	---	19,562.50
(24) Rs. 150 Lakhs Education Loan of 1976-77*	6½	1,50,00,000	---	1,50,00,000	---	1,50,00,000	---	---	9,37,500.00	---	9,37,500.00	---	---	---
(25) Rs. 50 Lakhs Additional Education Loan of 1976-77*	6½	50,00,000	---	50,00,000	---	50,00,000	---	---	3,12,500.00	---	3,12,500.00	---	---	---
(26) Rs. 220 Lakhs Education Loan of 1977-78.	6½	---	2,20,00,000	2,20,00,000	---	2,20,00,000	---	---	---	---	---	---	---	---
(27) Rs. 30 Lakhs Education Loan of 1977-78.	7½	---	30,00,000	30,00,000	---	30,00,000	---	---	---	---	---	---	---	---
Loans from Public.		11,56,00,000	2,50,00,000	14,06,00,000	50,00,000	13,56,00,000	34,811.75	69,59,125.00	69,93,936.75	69,90,088.50	93,878.25			

(* Internal Loans).

APPENDIX No.—40
EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1977-78 and the balance at the credit of the Fund at the close of the year 1977-78 (i.e., 31st March 1978).

	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT		
(1A) Education Cess ..	5,05,07,211	19
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I ..	2,97,27,416	00
(ii) From Budget 'A' Div. II ..	1,52,55,157	00
(iii) From Budget 'A' Div. III ..	70,51,355	00
(2A) Special Contribution from—		
(i) From Budget 'A' Division I ..	8,90,00,000	00
(ii) Budget 'A' Div. II ..	...	...
(iii) Budget 'A' Div. III ..	...	...
(3) Contribution from Government under Clause 2(e) of Schedule BBA of the Bombay Municipal Corporation Act ..	2,25,72,340	00
(4) Interest on Endowment and Investments ..	8,851	32
(5) Rent and other proceeds of properties ..	15,40,044	03
(6) Interest and Profits on Investments of Surplus, Loan and other balances ..	21,12,070	11
(7) Miscellaneous Receipts ..	2,61,315	00
Total—Revenue Receipts ..	21,80,35,759	65
RECEIPTS—B.—CAPITAL ACCOUNT		
(1) New Loans ..	2,50,00,000	00
(2) Trust Fund ..	...	...
(3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans ..	...	...
Total—Capital Receipts ..	2,50,00,000	00
RECEIPTS—C.—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent Expenditure ..	4,453	88
(b) Motor Cars and Motor Cycles to Officers ..	25,611	64
Dishonoured Cheques ..	8,83	51
Loan scholarships to Municipal Teachers Under Training ..	3,174	39
Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords. ..	1,12,56,787	36
Sundries—Miscellaneous Advances ..	...	...
Total—Advances ..	1,12,98,900	77
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 ..	70,97,213	51
(2) Endowment Fund (Paper and Cash) Account ..	94,515	61
(3) Loan Fund (Paper and Cash) Account ..	10,12,000	00
(4) Surplus Fund (Paper and Cash) Account ..	1,19,14,185	28
(5) Sundry Deposits Account ..	58,12,000	00
Total—Paper and Cash ..	2,59,30,014	40
Deposit Account ..	1,83,25,945	77
Provident Fund Recoveries ..	2,21,10,117	01
Provident Fund Investments ..	1,02,73,612	01
Cheques Payable ..	21,83,55,066	90
Wages Deposit Account ..	...	...
Municipal Contribution Receivable ..	5,20,767	49
Endowment Fund Account ..	1,09,36	39
Sinking Fund Account—Education ..	71,31,286	49
Municipal Contribution payable ..	6,80,89,607	04
Education Loan Interest Warrants Payable Account ..	36,16,696	17
Interest Receivable Account ..	...	...
Interest Accrued but not paid ..	3,61,805	50
Investment of Surplus Monies in Public Securities ..	...	...
Loan Redemption Fund Account ..	50,00,000	00
Unclaimed Dues and Deposits (Refundable) Account ..	1,98,245	75
Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans ..	...	...
Total—Deposit etc, ..	35,46,92,536	52
Total—Suspense Receipts ...	39,19,21,451	69

APPENDIX No. 40—(Contd.)

EXPENDITURE—A. REVENUE ACCOUNT		Rs.	P.
A.—General Supervision and Administration	...	44,13,294	21
B.—Municipal Primary Schools	...	15,83,42,654	29
C.—Private Primary Schools	..	67,13,900	74
D.—Medical Inspection of School Children	..	19,53,527	02
E.—Enforcement of Compulsion	...	74,819	08
F.—Educational Activities	...	12,95,573	89
G.—Pension and Provident Fund	...	1,15,22,942	00
I.—New Works	...	6,64,428	00
J.—Debt Charges	...	1,13,93,828	75
K.—Training Facilities for Municipal Teachers	...	39,107	47
L.—Proportionate Cost of Collection of Education Cess	...	4,81,420	00
M.—Extra-Curricular Activities	...	2,81,874	84
O.—Proportionate Cost of C.R.'s Central Planning Small	...	2,72,000	00
P.—Lumpsum provision for payment of arrears on account of Revision of grades	...	1,72,27,296	30
Total—Revenue Expenditure		21,46,76,666	59
EXPENDITURE—B.—CAPITAL ACCOUNT			
(1) Loan Funds—	...	2,46,50,866	72
(2) Trust Fund	...	...	...
Total—Capital Expenditure		2,46,50,866	72
EXPENDITURE—C.—SUSPENSE ACCOUNT			
Advances to Municipal Officers—			
(a) Standing Advances for Contingent expenditure	...	13,670	00
(b) Motor Cars and Motor Cycles to Officers	...	23,819	97
Dishonoured Cheques	...	8,843	50
Loan Scholarship to Municipal Teachers under Training	...	Cr. 68	00
Advance for meeting the cost of repairs to private buildings housing Municipal Schools under Section 489/499 recoverable from the landlords.	...	6,519	79
Sundries—Miscellaneous Advances	...	83,03,426	75
Total—Advances		83,56,212	01
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—			
Sinking Fund (Paper and Cash) Account	...	71,17,500	00
Endowment Fund (Paper and Cash) Account	...	1,07,502	00
Loan Fund (Paper and Cash) Account	...	13,61,133	28
Surplus Fund (Paper and Cash) Account	...	90,71,393	19
Sundry Deposits Account	...	...	...
Total—Paper and Cash		1,76,57,528	47
Deposit Account	...	1,62,36,161	79
Provident Fund Payments	...	2,21,10,117	01
Provident Fund Investments	...	1,02,73,612	01
Cheques Payable	...	22,10,28,992	60
Wages Deposit Account	...	...	...
Municipal Contribution Receivable	...	75,00,000	00
Municipal Contribution Payable (Refundable)	...	7,87,15,977	25
Endowment Fund Account	...	96,500	00
Sinking Fund Account Education	...	71,11,000	00
Education Loan Interest Warrants—Payable Account	...	36,15,492	67
Interest Accrued but not paid	...	74,270	83
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	...	50,00,000	00
Unclaimed Dues and Deposits (Refundable) Account	...	9,408	25
Total—Deposits etc.		37,17,71,532	41
Total—Suspense Expenditure		39,77,85,272	89

APPENDIX No. 49—(Concl.)
SUMMARY

Receipts.		Account	Disbursements.	
Rs.	P.		Rs.	P.
1,01,40,444	15	Opening Balance on 1st April 1977—		
21,80,35,759	65	A.—Revenue Account ...	21,46,76,666	59
25,00,000	00	B.—Capital Account ...	2,46,50,866	72
39,19,21,451	69	C.—Suspense Account ...	39,77,85,272	89
61,24,57,211	34	Closing Balance on 31st March 1978.	63,71,12,806	20
			79,84,849	29 *
64,50,97,655	49	Total	Total	64,50,97,655 49
			Rs.	P.
*Bank's Reconciliation—				
Balance as per Bank's Pass Book ...			1,08,712	80
Add—Revenue sent to the Bank on 31st March 1978 but acknowledged on 1st April 1978.			5,00,000	00
Total			6,08,712	80
Less—Uncashed cheques			13,68,007	44
Balance as per Day Book (Col. No. 10)			— 7,59,294	64
			Rs.	P.
Balance in Office in Government Promissory Notes etc.			3,193	87
Balance in Office in Cash ...			87,40,950	06
Collection kept in office			87,44,143	93
Closing Balance as shown at * above			79,84,849	29

REVENUE AND ELECTIONS

Assessment and Collection Department

HIGH LIGHT—

L—Money spent on—

	(Rupees in lacs)				
	City	Subs.	Extd. Subs.	Octroi	Total
	Rs.	Rs.	Rs.	Rs.	Rs.
(i) Establishment ...	89.96	51.87	22.17	51.92	215.92
(ii) Other Expenditure ...	34.72*	6.40	1.54	3.92	46.58
(iii) Commission to collecting Agencies ...	...	...	...	71.08	71.08

* This includes the cost of Rs 22.24 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 & Octroi was in excess to the tune of Rs. 13.56 crores as compared with last year, the details whereof are as under :—

(Figures in Lacs)

Property taxes including Wheel Tax.			Octroi			Total Excess
Collection in 1976-77	Collection in 1977-78	Excess	Collection in 1976-77	Collection in 1977-78.	Excess	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
7371	7950	579	4800	5577	777	1356

As the property taxes together with Octroi form a bulk of the revenue of the Corporation this department has to shoulder the onerous duties of keeping the budgetary income side of the Corporation as high as possible to enable it to render the civic services efficiently.

Though the department could succeed in liquidating some portion of the arrears due to the amendment of Section 217 of the Bombay Municipal Corporation Act whereunder it is necessary for the appellant to deposit the amount of taxes due before filing of the appeal and during the pendency of the appeal there was no substantial decrease in the arrears of taxes as many of the writ petitions filed by rate-payers in the High Court have still remained pending inspite of efforts to get them expedited.

Collection of Municipal property taxes including water charges is Rs. 77.50 crores as against the collection of Rs. 71.45 crores during the last year meaning thereby that Rs. 6.00 crores were collected more on account of Municipal Property taxes alone during the last year.

The total yearly demand of Municipal Property taxes including Water Charges etc. is Rs. 80.68 crores whereas the total outstandings which relate to all the past and previous years is above Rs. 42.92 crores. The break up of these arrears is shown in Appendix No. 8. These arrears include settled demand as well as unsettled demand i.e. provisional demand. 50 percent of these arrears is generally recovered during the subsequent year and the balance amount remains locked up on account of various reasons shown under statement in Appendix No. 8. The arrears of property taxes have increased partly due to the fact that though the scale of assessment was dropped, the inflated arrears involved in the writ petitions could be reduced only when the writ petitions are disposed of by the court. The increase in arrears is also due to the fact that the demand involved in unauthorised hutments on private lands especially in Subs. & Ex.d. Subs. could not be recovered on account of the difficulties created after the census of these hutments. The percentage of collection of property tax to the effective demand is 95.17 in the City, 68.61 in Suburbs & 60.67 in Extended Subs.

As regards water charges, percentage of collection to net demand in City is 80.09 whereas that Suburbs and Extended Suburbs is 69.91 and 65.61 respectively.

A special cell has been created which is dealing with the matter of assessment of Railway properties for the quinquennium 1964-69 and subsequent quinquennia with the railway authorities and the work is nearing completion. Of course 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 Central and State Governments are making payments on the basis of Rateable Value finalised for the quinquennium 1969-74. Shri Pestonji P. Kapadia who was appointed to fix the Rateable Value of buildings and lands in Greater Bombay vesting in the State and Central Government for the quinquennium 1974-79 has since completed the work and the Award is under printing.

The Central Government who have decided to pay Service Charges in respect of their properties covered by Article 285 (1) of the Constitution have paid Rs. 51.24 lacs on that account during the year 1977-78.

Building Repairs Cess :—Repairs Cess collected during the year 1977-78 amounts to Rs. 3.60 crores.

Tax on Residential Premises :—The State Govt. has levied this tax on flats having an area of more than 125 sq. mts. The work of levy and recovery thereof has been assigned to this department. A separate cell is created for this work in the department. The Corporation gets commission of 2 per cent of the recovery made during the year. The figures of demand and recovery are shown in the statement at P. 33.

Octroi :—In 1977-78 the rates of Octroi continued to be the same as those for the period from 1st August 1976 to 31st March 1977.

Octroi collection during the year 1977-78 amounts to Rs. 55.77 crores as against the amount of Rs. 48 crores during the year 1976-77. This shows that the amount of Rs. 7.77 crores was collected in excess over the collection for the last year. Figures are shown hereunder for comparison.

(Rupees in crores)

	Year.			Increase over 1976-77.
	1975-76	1976-77	1977-78	
	Rs.	Rs.	Rs.	Rs.
(1) Gross collection	32.58	48.00	55.77	+7.77
(2) Less—Refunds	4.51	4.39	6.27	+1.88
(3) Net Revenue	28.07	43.61	49.50	+5.89
(4) Fees for stamping	0.04	0.03	0.006	—0.02
(5) Fees in respect of Refunds	0.15	0.35	0.63	+0.28
(6) Departmental collection	22.91	34.08	34.86	+0.78

1,17,262 claims for refund of Octroi on goods exported out of Greater Bombay were received as compared to 1,06,498 claims received in the last year.

During the year under report "New E. P. Rules" approved by the Corporation vide their C.R. No. 882 of 22nd September 1977 were introduced under which goods imported into Bombay for export to foreign countries are exempted from the levy of Octroi. Under these Rules, the importers of goods, intended to be exported to Foreign Countries are required to get themselves registered under these Rules and to pay interest-free cash deposit equivalent to 10 per cent of Octroi payable or paid during one year and 6 1/4 per cent of the Octroi leviable on the import of such goods as fees.

Besides, the rates of Octroi in respect of the following commodities were modified by the Corporation with effect from 1st April 1977 in view of certain representations made to the Corporation.

Item No. in the Schedule 'H'	Commodity.	Articles	Reduction allowed.
8	Edibles.	Dried Fruits and Dried Nuts.	2 per cent ad-valorem instead of 7 per cent ad-valorem.
Do.	Do.	Frozen mutton Carcasses.	3 per cent ad-valorem instead of 7 per cent ad-valorem.
Do.	Do.	Biscuits costing not more than Rs. 12 per Kg.	3 per cent ad-valorem instead of 7 per cent ad-valorem.
24	Articles used in construction of Buildings & Roads.	Rubble Stone Metal Stone Powder.	4 Paise per 50 Kgs. } Instead of 14 8 Paise Do. } Paise per 50 3 Paise Do. } Kgs.
27	Do.	Yellow earth etc. except Red earth.	7 Paise per 50 Kgs. instead of 14 Paise per 50 Kgs.

ELECTIONS.—The Municipal General Elections were due in March 1978. In order to do preliminary works such as preparation of the Municipal Election Rolls in accordance with the revised provisions of the Bombay Municipal Corporation Act and other works for holding the General Elections, a temporary Election Department was created under the supervision of Shri B. B. Pol, Election Officer, from 8th July 1977. It started functioning on the 6th floor, Municipal Head Office Extension Building, from the said date. Grants to the extent of Rs. 74 lacs were already provided in Budget Estimates of 1977-78 for holding General Elections in March 1978. While the preparations were in progress, the Elections were postponed by the Government of Maharashtra to May 1978 by Maharashtra Act No. XLVIII of 1977.

The final Municipal Election Roll was published on 23rd March 1978. Other preparations for holding the elections were also in progress.

No bye elections were held during this year.

R. G. RELE,
Assessor & 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, Suburbs and Extended Suburbs.
(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.	19% 2½% 3% 5%	For R. V. between Re. 1 to Rs. 74. For R. V. between Rs. 75 to Rs. 299 For R. V. between Rs. 300 to Rs. 4999. For R. V. Rs. 5000 and above.
(7) State Education Cess.—		

Slabs of annual letting value.	In respect of land or buildings used or intended to be used for residential purposes.	In respect of land or building used or intended to be used for non-residential purposes.
(i) On R. V. Re. 1 to Rs. 74	Nil.	Nil.
(ii) Rs. 75 or more but not more than Rs. 150	2% of the annual letting value.	4% of the annual letting value.
(iii) More than Rs. 150 but less than Rs. 300	3% Do.	6% Do.
(iv) Rs. 300 or more but less than Rs. 3000	4% Do.	8% Do.
(v) Rs. 3000 or more but less than Rs. 6000	5% Do.	10% Do.
(vi) Rs. 6000 or more.	6% Do.	12% Do.
(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 the case of properties metered & sewered.	At 50% of the amount of Water Charges Bill.	

APPENDIX No. 2.

Statement showing the position of properties during the year 1977-78.

Properties.	City	Suburbs.	Extended Suburbs.	Total
(1) Properties as on 31-3-1978	62,087	93,065	52,250	2,07,402
(2) Properties excepted from General Tax	4,394	2,089	855	7,338
(3) Properties newly assessed	474	1,536	1,213	3,223
(4) Properties enlarged	1,044	1,052	1,174	3,270
(5) Properties demolished	17,777	1,460	204	19,441

APPENDIX No. 3.

Statement of Rateable Value as on 31-3-1978, rates of Rateable Value per head etc.

	City	Suburbs.	Extended Suburbs.	Total.
(1) Rateable Value	Rs. 75,74,52,587	41,58,57,132	19,00,95,171	1,36,34,04,890
(2) Population (1971 Census)	30,67,381	21,68,160	7,33,065	59,68,606
(3) Rate per head of population	Rs. 246.97	191.81	252.45	228.45
(4) Complaints against R. V.	2,930	8,700	3,560	15,190
(5) Reduction in Rateable value	11.49%	17.46%	15.79%	14.13%
(6) Appeals received against rateable value-	517	384	934	1,835
(7) Appeals pending against Rateable value...	459	311	880	1,640

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.	Outstanding	Percentage.
City	Property Taxes	1975-76	42.80	30.54	71.35	12.26	28.86
Suburbs	"	"	25.68	16.02	62.38	9.66	37.62
Extended Suburbs	"	"	11.98	6.32	52.78	5.66	47.22
City	"	1976-77	58.79	41.27	69.94	17.52	30.06
Suburbs	"	"	35.43	21.40	60.40	14.03	39.60
Extended Suburbs	"	"	15.71	8.78	55.89	6.93	44.11
City	"	1977-78	63.33	43.80	69.16	19.53	30.84
Suburbs	"	"	39.83	24.34	60.86	15.49	39.14
Extended Suburbs	"	"	17.27	9.37	54.35	7.90	45.65
City	Wheel Tax	1975-76	4.03	1.55	38.40	2.48	61.60
Suburbs	"	"	1.66	0.45	26.81	1.21	73.19
Extended Suburbs	"	"	0.35	0.13	33.66	0.22	66.34
City	"	1976-77	4.22	1.65	39.09	2.57	60.91
Suburbs	"	"	1.76	0.48	27.23	1.28	72.77
Extended Suburbs	"	"	0.38	0.13	35.50	0.25	64.50
City	"	1977-78	4.15	1.41	33.97	2.75	66.03
Suburbs	"	"	1.86	0.45	24.19	1.41	75.81
Extended Suburbs	"	"	0.40	0.13	32.05	0.27	67.05

Miscellaneous Receipts :- 1977-78		City	Suburbs	Extd. Suburbs	Total
(Amount shown in lacs)		Rs.	Rs.	Rs.	Rs.
(1) Notice fee	...	1.77	1.66	0.88	4.31
(2) Warrant Cost	...	2.44	0.95	0.31	3.70
(3) Penalty	...	5.39	5.35	3.10	13.84
Amount of General Tax exempted.	(ii) 1976-77	1.76	0.24	0.16	2.16
(Rs. in crores)	(iii) 1977-78	1.78	0.25	0.21	2.24

APPENDIX No. 5.

Statement showing Total Demand, Collection and Outstanding of Municipal Taxes during 1977-78
1 Municipal Property Taxes including Water Benefit Tax, Sewerage Benefit Tax but excluding Water charges and Sewerage charges

(Amount in crores);

Period	Out-standing on 1-4-77	Amount of bills issued during the year	Gross demand	Amount of bills re-called during the year	Net demand	Less unsettled demand (Details shown under the head unsettled demand)	Effective demand	Collection during the year	Outstanding on 31-3-78	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CITY—Upto and	1975-76	6.04	0.76	6.80	1.17	5.63		1.46	4.17	
	1976-77	8.84	1.71	10.55	3.29	7.26		3.31	3.95	
	1977-78	...	37.70	37.70	6.76	30.94		23.41	7.53	
TOTAL		14.88	40.17	55.05	11.22	43.83	14.22	29.61	28.18	95.17
SUBURBS—										
Upto and, 1975-76	...	5.41	0.61	6.02	0.29	5.73		1.32	4.41	
	1976-77	5.14	1.84	6.98	1.61	5.37		2.50	2.87	
	1977-78	...	18.47	18.47	3.42	15.05		11.07	3.98	
TOTAL		10.55	20.92	31.47	5.32	26.15	4.45	21.70	14.89	68.61
EXTD. SUBURBS—										
Upto and, 1975-76	...	3.57	0.04	3.61	0.09	3.52		0.53	2.99	
	1976-77	2.15	0.87	3.02	0.78	2.24		1.15	1.09	
	1977-78	...	9.44	9.44	2.08	7.36		4.97	2.39	
TOTAL		5.72	10.35	16.07	2.95	13.12	2.16	10.96	6.65	60.67

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

(Amount shown in lacs.)

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1975-76 ...	85.82	15.57	101.39	6.68	94.71	...	...	33.62	61.09	...
1976-77 ...	221.10	99.15	320.25	27.78	292.47	...	...	207.96	84.51	...
1977-78 ...	...	1620.56	1620.56	57.52	1563.04	...	...	1320.28	242.76	...
Total ...	305.92	1735.28	2041.20	91.98	1950.22	...	...	1561.86	338.36	80.09
Suburbs—										
Upto and 1975-76 ...	195.96	17.87	213.83	10.28	203.55	...	...	45.04	158.51	...
1976-77 ...	196.54	89.32	285.86	16.62	269.24	...	...	173.73	95.51	...
1977-78 ...	...	911.70	911.70	16.36	895.34	...	...	725.83	168.51	...
Total ...	392.50	1018.89	1411.39	43.26	1368.13	...	...	945.60	422.53	69.91
Extended Suburbs—										
Upto and 1975-76 ...	38.57	5.00	43.57	0.70	42.87	...	...	15.63	27.19	...
1976-77 ...	81.11	20.07	101.18	3.12	98.06	...	...	61.66	36.40	...
1977-78 ...	...	281.15	281.15	6.24	274.91	...	...	195.48	79.43	...
Total ...	119.68	306.22	425.90	10.06	415.84	...	...	272.82	143.02	65.61

(3) Sewerage Charges.

(Amount shown in lacs.)

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1975-76 ...	17.92	3.84	21.76	1.00	20.76	...	...	9.06	11.70	...
1976-77 ...	79.59	29.46	109.05	6.24	102.81	...	...	75.34	27.47	...
1977-78 ...	...	473.69	473.69	15.26	458.43	...	...	381.85	76.58	...
Total ...	97.51	505.99	604.50	22.50	582.00	...	...	466.25	115.75	...
Suburbs—										
Upto and 1975-76 ...	50.50	5.69	56.19	6.09	50.10	...	...	11.73	38.37	...
1976-77 ...	23.38	26.81	50.19	2.14	48.05	...	...	33.39	14.66	...
1977-78 ...	...	94.72	96.72	2.94	93.78	...	...	62.42	33.36	...
Total ...	73.88	131.22	205.10	11.17	193.93	...	...	107.54	85.39	...
Extended Suburbs—										
Upto and 1975-76 ...	1.05	0.05	1.10	...	1.10	...	...	0.23	0.87	...
1976-77 ...	1.25	0.20	1.45	...	1.45	...	...	0.40	1.05	...
1977-78 ...	...	1.48	1.48	...	1.48	...	...	0.68	0.80	...
Total ...	2.30	1.73	4.03	...	4.03	...	...	1.31	2.72	...

(4) Wheel Tax.

(Amount shown in lacs)

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1975-76 ...	207.62	9.03	216.65	11.62	205.03	...	...	11.54	193.49	...
1976-77 ...	49.95	3.54	53.49	3.19	50.30	...	...	14.03	36.27	...
1977-78 ...	...	164.75	164.75	4.59	160.16	...	...	114.99	45.17	...
Total ...	257.57	177.32	434.89	19.40	415.49	159.65	255.84	140.56	274.93	54.75%
Suburbs—										
Upto and 1975-76 ...	105.36	2.80	108.16	2.47	105.69	...	...	5.46	100.23	...
1976-77 ...	22.47	2.36	24.83	1.07	23.76	...	...	6.24	17.52	...
1977-78 ...	...	58.91	58.91	2.35	56.56	...	...	33.57	22.99	...
Total ...	127.83	64.07	191.90	5.89	186.01	72.74	113.27	45.27	140.74	39.99%
Extended Suburb :—										
Upto and 1975-76 ...	18.68	0.98	19.65	1.25	18.41	...	...	2.48	15.93	...
1976-77 ...	6.17	0.55	6.72	0.40	6.32	...	...	1.89	4.43	...
1977-78 ...	...	16.47	16.47	0.52	15.95	...	...	9.09	6.86	...
Total ...	24.85	18.00	42.85	2.17	40.68	12.96	27.72	13.46	27.22	48.55%

(5) Water Benefit Tax.

(Amount in lacs).

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1975-76 ...	36.43	4.19	40.62	10.38	30.24	...	...	6.50	23.74	...
1976-77 ...	112.02	25.91	137.93	40.28	97.65	...	...	41.32	56.33	...
1977-78 ...	...	456.92	456.92	85.37	371.55	...	...	273.62	97.93	...
Total ...	148.45	487.02	635.47	136.03	499.44	...	...	321.44	178.00	...
Suburbs—										
Upto and 1975-76 ...	34.54	2.21	36.75	1.57	35.18	...	...	8.55	26.63	...
1976-77 ...	72.27	21.61	93.88	18.69	75.19	...	...	24.78	50.41	...
1977-78 ...	...	244.35	244.35	41.13	203.22	...	...	123.52	79.70	...
Total ...	106.81	268.17	374.98	61.39	313.59	...	...	156.85	156.74	...
Extended Suburbs—										
Upto and 1975-76 ...	18.42	0.52	18.94	0.99	17.95	...	...	2.93	15.02	...
1976-77 ...	32.17	10.31	42.48	9.51	32.97	...	...	12.08	20.89	...
1977-78 ...	...	111.72	111.72	24.55	87.17	...	...	53.59	33.58	...
Total ...	50.59	122.55	173.14	35.05	138.09	...	...	68.60	69.49	...

(6) Sewerage Benefit Tax.

(Amount in lacs).

Period	Outstanding as on 1-4-1977	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled during the year	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
				87.26							
City—											
Upto and 1975-76	25.09	3.13	28.22	7.11	21.11	...	...	5.45	15.66	
1976-77	70.08	17.18	87.26	25.58	61.68	...	...	26.03	35.65	
1977-78	...	277.08	277.08	50.90	226.18	...	...	164.48	61.70	
Total	95.17	297.39	392.56	83.59	308.97	...	...	195.96	113.01	
Suburbs—											
Upto and 1975-76	20.19	3.15	23.34	0.99	22.35	...	...	8.00	14.35	
1976-77	42.15	15.82	57.97	13.36	44.61	...	...	17.72	26.89	
1977-78	...	140.70	140.70	25.55	115.15	...	...	70.12	45.05	
Total	62.34	159.67	222.01	39.90	182.11	...	...	95.84	86.27	
Extended Suburbs—											
Upto and 1975-76	11.65	0.23	11.88	0.67	11.21	...	...	1.94	9.27	
1976-77	22.20	5.99	28.19	5.94	22.25	...	...	7.32	14.93	
1977-78	...	66.94	66.94	14.98	51.96	...	...	32.32	19.64	
Total	33.85	73.16	107.01	21.59	85.42	...	...	41.58	43.84	

APPENDIX No. 6.

Statement showing Total Demand, Collection and Outstanding of Government Taxes and Cess during 1977-78.

(i) State Education Cess.

(Amount in lacs).

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1975-76	154.36	7.93	162.34	21.19	141.15	...	...	25.28	115.87	
1976-77	193.16	37.90	231.06	70.04	161.02	...	...	66.60	94.42	
1977-78	...	776.60	776.60	150.83	625.77	...	...	461.75	164.02	
Total	347.52	822.48	1170.00	242.06	927.94	...	...	553.63	374.31	
Suburbs—										
Upto and 1975-76	102.51	4.05	106.56	3.88	102.68	...	...	15.08	87.60	
1976-77	108.87	32.03	140.90	30.11	110.79	...	...	34.38	76.41	
1977-78	...	303.33	303.33	61.75	241.58	...	...	158.21	83.37	
Total	211.38	339.41	550.79	95.74	455.05	...	...	207.67	247.38	
Extended Suburbs—										
Upto and 1975-76	56.42	0.64	57.06	0.97	56.09	...	...	7.46	48.63	
1976-77	55.24	16.75	71.99	15.67	56.32	...	...	16.89	39.43	
1977-78	...	173.40	173.40	42.56	130.84	...	...	79.03	51.81	
Total	111.66	190.79	302.45	59.20	243.25	...	...	103.38	139.87	

(2) Urban Immoveable Property Tax.

(Amount in lacs.)

Period	Outstanding as on 1-4-77	Amount of bills issued during the year 1977-78	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1977-78	Outstanding as on 31-3-78	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City— Upto and 1962-63 ...	0.65	...	0.65	0.03	0.62	...	...	0.10	0.52	...
Suburbs— Upto and 1962-63 ...	2.08	...	2.08	...	2.08	...	...	0.03	2.05	...
Extended Suburbs— Upto and 62-63 ...	1.33	...	1.33	...	1.33	...	...	0.08	1.25	...
Total ...	4.06	...	4.06	0.03	4.03	...	...	0.21	3.82	...

(3) The Additional State Education Cess.

(Amount in lacs.)

City— Upto and 1973-74 ...	5.18	0.13	5.31	0.29	5.02	...	...	0.68	4.34	...
Suburbs— Upto and 1973-74 ...	6.85	0.01	6.86	0.05	6.81	...	...	0.46	6.35	...
Extended Suburbs— Upto and 1973-74 ...	4.09	0.01	4.10	0.17	3.93	...	...	0.39	3.54	...
Total ...	16.12	0.15	16.27	0.51	15.76	...	...	1.53	14.23	...

Total Demand, Collection and Outstanding of Repairs & Reconstruction Cess during the year 1977-78 for the City Wards.

(Amount in lacs)

Past and Previous years.	A	190.00	8.84	198.84	7.51	191.33	...	57.70	133.63	...
	B	27.08	0.59	27.67	0.71	26.96	...	2.80	24.16	...
	C	57.31	1.57	58.88	3.03	55.85	...	6.86	48.99	...
Total ...		274.39	11.00	285.39	11.25	274.14	...	67.36	206.78	...
Current year 1977-78.	A	...	381.16	381.16	31.35	349.81	...	233.61	116.20	...
	B	...	36.33	36.33	2.64	33.69	...	21.18	12.51	...
	C	...	67.48	67.48	8.76	58.72	...	38.08	20.64	...
Total ...		...	484.97	484.97	42.75	442.22	...	292.87	149.35	...
Grand Total ...		274.39	495.97	770.36	54.00	716.36	...	360.23	356.13	...

APPENDIX 6 A.

Statement showing Total Demand Collection and Outstanding of Maharashtra Tax on Residential Premises during the Year 1977-78.

(Amount in lacs.)

City— Upto and 1975-76 ...	0.81	94.91	95.72	1.22	94.50	...	...	61.88	32.62	65.48%
1976-77 ...	...	...	...	...	...	...	...	...	...	...
1977-78 ...	...	...	...	...	...	...	...	...	...	...
Total ...	0.81	94.91	95.72	1.22	94.50	...	...	61.88	32.62	...
Suburbs— Upto and 1975-76 ...	0.37	28.67	29.04	0.38	28.66	...	...	18.13	10.53	63.26%
1976-77 ...	...	...	...	...	...	...	...	...	...	...
1977-78 ...	...	...	...	...	...	...	...	...	...	...
Total ...	0.37	28.67	29.04	0.38	28.66	...	...	18.13	10.53	...
Extended Suburb Upto and 1975-76 ...	0.60	2.62	3.22	0.06	3.16	...	...	2.43	0.73	76.81%
1976-77 ...	...	...	...	...	...	...	...	...	...	...
1977-78 ...	...	...	...	...	...	...	...	...	...	...
Total ...	0.60	2.62	3.22	0.06	3.16	...	...	2.43	0.73	...

APPENDIX No. 7.

Bill issued during the year 1977-78.

	CITY		SUBURBS		EXTENDED SUBURBS		TOTAL	
	Past and previous years.	Current year.	Past and previous years.	Current year.	Past and previous years.	Current year.	Past and previous years.	Current year.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Property taxes ...	6,424	1,45,205	11,361	1,89,606	6,488	1,10,792	24,273	4,46,604
Water Charges by meter measurement including meter hire ...	6,537	54,043	26,720	1,03,153	3,832	45,967	37,089	2,03,163
Wheel Tax ...	56,909	1,22,893	14,404	41,200	3,859	12,782	75,172	1,76,875
TOTAL ...	69,870	3,23,142	52,485	3,33,959	14,179	1,69,541	1,36,534	8,26,642

APPENDIX No. 8.

(A) Break up of arrears of settled & 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 31-3-1978.

(Rupees in lacs.)

	City	Suburbs.	Extended Suburbs.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Government and Dy. Custodian of Evacuee Properties ...	105.17	30.79	20.24	156.20
(2) Bombay Port Trust ...	26.79	0.85	...	27.64
(3) B. M. C. (Imp'ts.) and other Municipal Departments ...	26.92	22.92	5.56	55.40
(4) Properties under attachment ...	125.60	94.48	93.88	313.96
(5) Amounts involved in respect of unauthorised structures and hutments ...	17.39	353.71	154.37	525.47
(6) Amounts due from B. E. S. T. Undertaking ...	2.68	0.81	0.09	3.58
(7) Instalments allowed ...	55.81	14.87	26.46	97.14
(8) Monthly tenancy structures ...	7.40	69.11	22.46	98.97
(9) Amounts held in deposits ...	7.23	43.61	16.06	66.90
(10) Other ratepayers :—				
(a) Property taxes ...	203.39	495.22	237.06	1135.67
(b) Wheel Tax ...	65.02	51.40	18.06	134.48
Total ...	645.80	1177.77	592.24	2415.81

- Re: (1) Payment was not received from Government Department before 31-3-1978. The Dy. Custodian of Evacuee Properties pays as & when funds permit.
 (2) The payment was not received before 31-3-1978.
 (3) The amounts await adjustment.
 (4) Properties have been attached and steps have since been taken to expedite the sale of properties attached.
 (5) Since the numbering of hutments, recovery has received further setback and the arrears have mounted up. The position may improve only when 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 31-3-1978.

	City	Suburbs.	Extended Suburbs.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Railways ...	5.20	14.77	1.55	21.52
(2) Court Receiver, Official Assignee, etc. ...	27.28	18.12	17.83	63.23
(3) Suits filed, Injunctions, appeals and writ petitions against Rateable Value ...	640.34	104.73	47.51	792.58
(4) Complaints against Rateable Value ...	520.06	147.61	64.28	731.95
(5) Disputed property taxes ...	101.89	42.74	41.01	185.64
(6) Disputes regarding wheel tax ...	159.65	72.74	12.96	245.35
(7) Bills issued at the fag end of the year ...	128.14	116.90	42.77	287.81
(8) Arrears of taxes carried forward from the records of the defunct local bodies ...	...	0.38	1.27	1.65
Total ...	1582.56	517.99	229.18	2329.73

- Re: (1) The Railways have made on account payment of Rs. 11.75 lacs during 1977-78. The question of assessment of Railway properties for the quinquennium 1-4-64 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 the recovery would be effected as and when appeals and writ petitions before the Court are disposed of.
 (4) Complaints are pending and the payments can be demanded after disposal of complaints against Rateable Values.
 (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 Rs.	Class II Rs.	Total Rs.	1976-77 Rs.	1977-78 Rs.
City	66	1	67	17,96,543	18,98,683
Suburbs.	38	1	39	10,10,075	10,29,186
Extended Suburbs	18	...	18	4,59,795	4,77,470
TOTAL	122	2	124	32,66,413	34,05,339

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

(a) Hack Victorias (2 Horses each)	...	...	...	...	330
(b) Labour Carts (with pair of Bullocks)	...	...	...	...	236
(c) Hand Carts	...	...	...	...	10,477
Total	...	...	...	...	11,043

Vehicles and Animals taxed during the year 1977-78.

Vehicle or Animals Taxed in the year	No.	Vehicle or Animals Taxed in the year	No.
Motor Cycle Solo	41,664	Taxis	18,383
Motor Cycle with side car	883	Passenger Buses	1,033
Trade Certificates	56	Ambulance	84
Motor Lorries	18,077	Others	6
Delivery Van	6,861	Four-wheeled Vehicles drawn by animals.	123
Trailer	345	Two-wheeled Vehicles drawn by animals.	380
Tanker	161	Handcarts	10,933
Crane	217	Horses	7
Motor Tractor	162	Ponies	60
Motor Cars	95,588	Bullocks	734
		TOTAL	1,95,779

APPENDIX No. 10.

Classification of properties according to Rateable Value.

Rateable Value.	No. OF PROPERTIES.		
	CITY	SUBURBS.	EXTD. SUBS.
Below Rs. 200/-	13,257	21,667	14,224
Between Rs. 201/- and 300/-	2,845	10,313	5,578
Between Rs. 301/- and 400/-	2,743	8,065	5,350
Between Rs. 401/- and 500/-	2,579	6,717	3,397
Between Rs. 501/- and 750/-	3,881	6,247	4,087
Between Rs. 751/- and 1,000/-	3,301	6,620	3,590
Between Rs. 1,001/- and 1,500/-	3,608	6,080	4,111
Between Rs. 1,501/- and 2,000	3,749	4,930	3,388
Between Rs. 2,001/- and 5,000/-	9,701	5,757	3,152
Between Rs. 5,001/- and 10,000	7,091	5,985	2,207
Between Rs. 10,001/- and 20,000/-	4,265	4,753	1,246
Between Rs. 20,001/- and 30,000/-	1,380	2,861	759
Between Rs. 30,001/- and 40,000/-	788	1,294	478
Between Rs. 40,001/- and 50,000/-	618	716	293
Between Rs. 50,001/- and 1,00,000/-	911	531	212
Between Rs. 1,00,001/- and 1,50,000/-	537	347	106
Between Rs. 1,50,001/- and 2,00,000/-	393	87	33
Between Rs. 2,00,001/- and 2,50,000/-	131	37	23
Between Rs. 2,50,001/- and 3,00,000/-	127	17	8
Between Rs. 3,00,001/- and 3,50,000/-	141	12	4
Between Rs. 3,50,001/- and above.	131	29	4
TOTAL	62,087	93,065	52,250

EDUCATION DEPARTMENT

The responsibility of Primary Education has been transferred to the Corporation in 1907. Since then, the activity has expanded so as to cover a student population of over 6 lacs. Secondary Education has been undertaken since 1965 and during the year under report, it covers over 67,500 student population.

The Supervision and Administration of Schools was carried out by the Education Officer with the assistance of 9 superintendents, 19 Administrative Officers (Schools) and 55 Beat Inspectors.

Municipal Schools and Classes.

The number of schools and classes in Greater Bombay was 1102 and 54 respectively against 1082 and 67 respectively in the previous year. On the principle of providing higher standards for 40 children or more in the City and Suburbs and 25 or more in the outlying areas, 13 classes for Std. V/23 for Std. VI and 19 for Std. VII were opened in Greater Bombay during the year under report.

Furniture articles to the tune of Rs. 34,12,979 was supplied to schools during the year.

School Buildings.

6 new buildings and Extension to 2 buildings have been carried out during the year under report. Thus 6 buildings have been added to the existing 275 school buildings, bringing the total number of municipal owned school buildings in Greater Bombay to 281. The additional 288 class-rooms have helped to reduce the numbers of congested class-rooms.

The work of construction of 25 new school buildings and extension to certain school bldgs. is in progress. 756 primary schools and classes were accommodated in 281 municipal owned bldgs. 383 primary schools including classes are being accommodated in 364 rented bldgs. and 17 primary schools (including classes) are housed in rent free buildings.

	Bldg.	Schools
Municipal owned bldg.	281	756
Rented	364	383
Rent free	17	17
	662	1156

Teachers :

During the year the number of teachers stood at 17074 including 1048 Special Teachers as against 16592 including 951 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 6,01,259 as against 5,77,295 in the previous year (*vide* Appendix I). Thus, there was a net increase of 23,964 pupils. The average attendance throughout the year was 5,39,076 as against 5,18,275 in the previous year.

Double promotion examination was held in July 1977.

Annual written examination of pupils of Standards I to VII was held in the months of March and April 1977.

The details thereof are as under :—

Standard	Pupils appeared	Pupils passed	Percentage
I	1,53,335	1,13,483	74.01
II	1,09,843	89,137	81.15
III	96,158	78,609	81.75
IV	81,696	72,766	89.07
V	62,133	49,781	80.12
VI	41,921	35,902	85.64
VII	32,209	30,605	95.02

Five students of municipal primary schools passed the middle high school Scholarship Examination.

On account of shortage of accommodation, out of 6271 total divisions of std. I and II, 101 divisions were run in shorter sessions.

The curriculum was followed and the text books were used as prescribed, by the State Government.

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

Rahimtulla Currimbhoy municipal Urdu Teachers' Jr. College of Education Imamwada.

During the year under report there are 73 trainees of D.Ed. II nd year and 79 trainees of 1st year. The teaching staff including (1) One Head Mistress (2) 8 full time Instructors (3) 4 Part time Instructors for teaching science and Physical education and (4) 3 special teachers for teaching special subjects viz. Sewing, Drawing & Music.

Out of 77 trainees for the D.Ed. II nd year and 74 trainees for the D.Ed. 1st year appeared for the Examinations respectively held during April 1977, all of them have passed. Thus the result of D.Ed. II nd year and 1st year Examination has been declared 100%.

As per the results of D.Ed. Exam. April 1977, declared by the Commissioner, Bureau of Govt. Examination, Poona the highest number of trainees from Mun. R. C. Urdu Teacher's Jr. College of Education, Imamwada, Bombay have been placed first class among the first fifty candidates in Bombay region and Second in Maharashtra State.

This year 73 trainees of D.Ed. II nd year and 79 trainees of 1st year have been sent up for the D.Ed. II nd year and 1st year Examination.

Municipal Urdu Teachers' Junior College of Education, Mahim ;

During the year 1977-78 there were 73 trainees in College 40 in D.Ed. 1st year and 33 in 2nd year. The teaching staff included 1 Principal, 3 Fulltime Instructors, 2 Part time Instructors and 4 special teachers.

Loan Scholarship :

The facility of giving loan scholarship at Rs. 75/- per month to untrained teachers under training was continued during the year under report. However, no employee took benefit of the same.

Municipal Aided and Recognised Schools in Greater Bombay :

Educational seminars, exhibition of teaching devices and project works 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.

A project on "Scholastically backward children" had been undertaken by a school in Central Suburbs.

The department had conducted three seminars separately for Marathi School, Gujarati School and English Schools. The topic for Gujarati Schools was "teaching of language at primary level and Dramatization and recitation of poems in primary classes." The topic for Marathi Schools was "teaching of language at primary level. The topic for English schools was "composition work at primary level".

Refresher classes were also conducted for the supervisory staff of private primary schools by the Govt. Teachers of Private Primary Schools were given opportunity to go for this training. Many had teachers and teachers took advantage of the same.

There were 275 aided private primary schools. The average number of pupils on roll in aided schools during the year was 98549 as against 1,01,367 in the previous year. The average daily attendance was 97,429 as against 93,251 of the previous year.

The total number of teachers including special teachers in aided schools as on 31st March 1978 was 2671, (City 1169 Suburbs 905, and Extended Suburbs 597). Out of 2671 teachers 2274 are trained and 397 are untrained.

Recognised Schools :

There were 406 unaided and recognised schools in Greater Bombay and number of pupils was 1,34,214. The total number of teachers was 4232. (City 1849 Suburbs 1748 and Extended Suburbs 635.)

Physical Education :

Physical Education being a compulsory subject, is introduced in all municipal schools, primary as well as secondary. Syllabus prescribed by the Govt. of Maharashtra is followed with suitable modifications.

During the year 1977-78 Physical Education Section carried out the following activities, viz., Annual Sports, Games Competitions, Drill Competitions, Educational Excursions. This year one big Mass Drill was organised at Shivaji Park in honour of The President of India, Shri Reddy. About 15,000 pupils from different primary schools participated in this display. It was highly appreciated by the Chief Guest, distinguished personalities and other officers of the Corporation.

Physical Training Institute :

Since this year new policy was followed and physical education was included in the programme of inservice training accordingly. The number of teachers covered under this programme was about 300. One of the main projects of this training was a Camp of one week duration which was held at Dahanu under canvas. The working of the Camp and final function was highly appreciated by the public of Dahanu.

Band Troop :

Four Band Instructors continued to teach Band Instruments in 8 municipal primary schools on part time basis. From 17th March 1978 they started working on full time basis. Accordingly more schools will have the benefit of this training.

R. S. P. Unit :

All the 25 R. S. P. units continued to work in 25 municipal schools. 25 R. S. P. instructors with the help of 48 Boys and Girls in each school looked after the safety of the pupils before and after school hours, on the busy traffic roads near their schools. This year instead of participating in the general R. S. P. Camps conducted by the Traffic Police Department, we conducted a separate Camp, with the help of traffic police, specially for our municipal school children at our own Camp site at Powai. The discipline and the working of the Camp was highly appreciated by the Chief of Traffic Police and such other guests. It was a good experience.

Scout/Guide Activities :

Cub Masters	...	189	Cubs	...	3494
Scout Masters	...	195	Scouts	...	4176
Flock Leaders	...	136	Bulbuls	...	2395
Guide Captains	...	134	Guides	...	3093
Companies	...	134	Flocks	...	136

The following activities continued to be conducted during the year, (1) Explanatory Training Camp (2) Proficiency Badges Courses for Scouts/Guides and Scouters/Guiders (3) Patrol Leaders Training Camp (4) Cub Bulbul Excursion (5) Patrol Hikes (6) Judges Camp for Annual Sports (7) Revision Course (8) Munsoon Hike or District Scout Masters/Guide Captains and organisers (9) Scout/Guide Sports and Rallies, etc. A large number of Scout/Guide, Cub/Bulbuls participated in these activities. Over and above these, following new activities were conducted during the year.

(1) Prime Minister's shield Competition :

One of the two schools which participated in this competitions took first in the Maharashtra State. The teachers alongwith 7 Scout/Guide attended the prize distribution function at New Delhi.

(2) Social Service Project :

Social Service is one of the main activities for Scouts and Guides. Accordingly the Scout/Guide of Municipal Corporation started giving Social Service from 1977-78 to public during certain big festivals namely, Mahim Urs, Bandra Dare, Ganesh Ursav, Mahalaxmi Fare. During the year our Scouts and Guides with some teachers opened a booth at Bandra Fare, Mahim and Chhapatty, for First Aid, 'Lost and Found', Post and drinking water. This gesture of our Scouts and Guides was highly appreciated by the public.

(3) Scout/Guide Athletic Meet :

This is also a new activity this year conducted as per directions from the Maharashtra State Bharat Scouts and Guides. Competitions in different sports were taken and many scouts and guides participated in the same.

This year due to strike of secondary school teachers, only one camp viz. Group Camping, was conducted for the secondary schools. All other Camps had to be cancelled due to non availability of sufficient time.

Balbhavan Centres :

35 Balbhavan Centres continued to be conducted throughout Gr. Bombay between 5.00 p.m. and 7.00 p.m. for the school going children of the vicinity. Different activities like Handi-craft, Drawing, Out door Games, Folk Dance, Songs etc. were conducted at the centres. To keep the children interested, competitions in these activities were conducted and prizes were distributed. This year a stall was opened at the Y.W.C.A. fare for selling articles prepared in the Balbhavan Centres. The response was satisfactory. It was a good experiment.

Audio Visual Section :

This year 12 Projectionists continued to show Educational Films in different primary schools all over Gr. Bombay 3173 film shows were performed in which 6,88,353 pupils participated. One Projectionist has been sent on deputation to Language Development Project which is being conducted with the aid of Ford Foundation. The section helped making arrangement for Tape recording of speeches etc., of different activities of the department, and special function arranged by the Corporation.

Teaching Aid Centre :

As per the new procedure laid down only one Teaching Aid Centre was conducted during the year at Didar, Hindu Colony for inservice teachers. The Teaching aid centre at Karkivali was closed down. The Teaching Aid Centre at Gilder Tank Bldg. is converted into production centre of teaching aids. Accordingly 5526 Teaching Aids were prepared by the inservice teachers at Didar,

Hindu colony and about 2550 Teaching Aids were produced for our schools at Gilder Tank Building. Over and above this, Printing Press of Production Center of Teaching Aids printed 5000 copies of Aakar Magazine for municipal school children, in three different languages viz. Marathi, Hindi, Gujarati, some departmental forms, Annual Programme, Book-lets etc. were also printed.

Research Unit:

The Research Unit carried out the following activities and Projects in the year 1977-78.

1. A report of the study of the areas of difficulties in Mathematics for the teachers of municipal primary schools was submitted.
2. A pamphlet for conducting a workshop on preparation of correspondence lessons was prepared. (Based on the books "Teaching by Correspondence").
3. Conducted a 3 days workshop to train the Officers of the Education department in writing Correspondence lessons.
4. About 55 lessons in different subjects for correspondence cum-contact programme for the inservice training of municipal teachers were prepared and tried out on about 450 teachers. After try-out the lessons were revised and the translations in Marathi, Gujarati, Hindi Urdu are being carried out.
5. **Summer Classes:**
 - (1) Prepared a booklet of guidelines in English & Marathi for teachers for conducting Summer preparatory classes of Std. I children.
 - (2) Prepared an evaluation form for the study of effectiveness of the Summer classes on municipal children.
 - (3) Prepared a report on the comparative study of effectiveness of summer programme on municipal children (600 children from summer class and 600 children from non-summer class.)
 - (4) Prepared an achievement test for the comparative study of achievement of the children of summer and non-summer classes.
 - (5) Prepared a report on the comparative study of the achievement of summer and non-summer classes.
 - (6) Prepared an entrance test for children of summer classes.
 - (7) Prepared a questionnaire for the study of socio-economic and educational back ground of the home of 600 children of summer classes and 600 children of non-summer classes.
 - (8) The door to door survey of the socio-economic and educational background of the homes of the children was taken by the teachers who were trained as field workers for the purpose.
 - (9) Revision of the guidelines. (Syllabus) for summer classes which were conducted in May 1978.
 - (10) Collection of songs in Marathi and Gujarati for the children in Summer classes.
 - (11) Prepared a pre-test and post-test for the evaluation of the effectiveness of the summer programme.

6. Inservice Training :

1. Preparation of evaluation forms for the study of the opinions of the teachers trainees from the Dadar Hindu Colony Inservice training class.
2. Preparation of summary discussions in the seminar on training of music, art, teaching aids and physical activities.
3. A study of the opinions of the teachers trainees from Inservice training class (July to Oct. 1977) was carried out and a report was submitted.
4. Prepared an evaluation form for the follow up work of the Inservice training given at Dadar, Hindu Colony.
5. Two Inservice Training Classes one from 4-7-77 to 20-10-77 the other from 15-12-77 to 22-3-1978 were organized to give the primary lessons in music, dance and drama to the subject teachers. In 210 teachers were given training.

As a part of the Inservice Training to the subject teachers, training in drama was given to the trainees in two sections one from 13-2-1978 to 15-2-1978 and the other from 23-2-1978 to 28-2-1978. Well known personalities like Smt. Sulha Karmarkar, Smt. Sulbha Deshpandé, Shri Shridhar Rajguru, in the field of drama were called to give lectures.

7. Other Work :

1. About 150 educational films from the Audio Visual Section of the department were reviewed and Hindi synopsis of these films are under print.
2. An evaluation form for six weeks initiation programme of std. I children was prepared.
3. Twelve T. V. lessons in science were observed and report was prepared.

Academy Of Music And Art:

The Academy of Music and Art has been established for achieving aims which can be broadly categorised as—

- (1) Creation of taste for fine arts amongst the children.
- (2) Development of art amongst the children, who have already got such taste for art.
- (3) Talent hunting.

In order to achieve the said aims, the Academy organized various activities. The various activities carried out during the year under report are enumerated below :—

I-Music Wing :

- (1) In-service training Class for Music Teachers was organised for the 18 newly recruited Music teachers from 20-6-1977 to 29-6-1977.
- (2) Seminar and gathering of music teachers was organised on 30-6-1977 when an exhibition on music was also arranged. The topic of discussion in the seminar was "Teaching of Music in Schools".
- (3) A lecture-cum-demonstration on Kathakali dance by Guru Shri Krishnan Kutty was arranged on 29-2-1978.
- (4) 8 Sangeet Bhavans were conducted for the benefit of municipal school pupils. The classes were held after regular school hours. 155 pupils took benefit of these classes.
- (5) On school month end days the music teachers have to attend one of the 5 music centres as allotted to them where discuss various topics of music. This practice continued this year also.
- (6) *Music and dance Competitions* :— These competitions are mainly organized to encourage pupils in music and to find out talents. The competitions were organised at 10 division-wise centres and thereafter central competitions of winners at the divisionwise levels were arranged. 1236 pupils from 391 schools participated at the divisionwise centres and 383 pupils from 128 schools participated at the central competitions.
- (7) On 26-4-1977 a programme "AAGAGADI" was presented by municipal school pupils on the A. I. R. through their 'Gammatt Jammatt' Programme.
- (8) Two programmes "Chala Sutti Zali" was presented by pupils of different schools through kilbil programme of T. V. on 10.5.1977. Thereafter a model programme of singing National Anthem was presented by municipal pupils on 19-7-1977.
- (9) 80 pupils of municipal schools presented variety entertainment programmes like Kitchen Band, Ras, Bhangada, Doll Dance, Chorus Songs on 12-8-1977 when representatives of Ford Foundation visited this Academy.
- (10) About 64 talented municipal employees and 25 pupils presented a four hour programme through this Academy for Silver Jubilee function of the Municipal Bank Ltd. held on 2-4-1977. The Bank authorities presented musical instruments worth about Rs. 5,000 to the Academy.
- (11) The Academy presented a 3 hours cultural programme of 55 talented municipal employees on 27-4-1977 for the Sangeet Sabha.
- (12) As a part of the celebration of the International Music Day a Sarod recital programme of Smt. Zarin Daruwalla was arranged by this Academy on 1-10-1977 which was attended by the music teachers of municipal schools, other municipal employees having liking for music and some invitees.
- (13) **Arrangements for listening of taped musical programme :**
The Academy has in stock tape recorded programme of some well known artists. Arrangements were made to listen these musical programmes on a trial basis for a period of 3 months. The opening programme was arranged on 28-8-1977. But this was discontinued for want of adequate response.
- (14) **Children Rally on 27-12-77**
A Mass Rally of municipal school children was organised in honour of Shri Neelam Sanjeev Reddy, The President of India. In this Rally a chorus song "Aaj Shapath Gheocya", the National Anthem and one Fishermen's dance were presented by about 2500 pupils.
- (15) The Academy extended all help in organising the cultural programme of Balkotsava, which is a yearly feature.
- (16) Besides the above regular items, the Academy arranged for the singing of National Anthem, Vande Mataram, Some chorus songs, etc. on 20 occasions of the different civic and national functions organised by the various departments of the Corporation.

II. Art Wing

The following activities were organised by the Art wing of the Academy during the year under report :—

- (1) As a part of programme of art education by the State Government, Inservice training class for art teachers of one month's duration was organised in which the art teachers were made aware of the new art syllabus and the new child centred method of art education, 45 teachers from municipal and private aided schools participated.
- (2) An exhibition of the works of children was arranged at Birla Kreed Kendra in coordination with other sections of the department, at the time of the Prize Distribution Function. The officers and other guests appreciated the children's art.
- (3) 90 students were sent up for Government Elementary and Intermediate Grade Drawing Examinations this year. The percentage of passing was 80 per cent.
- (4) With a view to make aware the art teachers, the new changes in the syllabus and the mode of art examination a two day meeting of art teachers who wished to prepare students for Government Drawing Examinations was called. 150 teachers attended and were given necessary guidance in the matter of the changed syllabus and the mode of art examination.

Educational Guidance Centre : -

The Vocational Counsellor in Educational Guidance Centre has carried out the following activities during the year :

- (1) **Every year activities :—**
 - (a) Educational Guidance in primary schools.
 - (b) Vocational Guidance in secondary schools.
 - (c) Activities of Science Clubs in secondary schools.
 - (d) Psychological Tests for std. X pupils.
 - (e) Counselling of students sent by parents & Teachers.
 - (f) Selection of pupils in the classes for Mentally Retarded children.
- (2) **New Activities :**
 - (a) Guidance (for the paper in Mental Alertness Testing) to primary teachers for giving special working (0) to pupils appearing for scholarship examinations.
 - (b) Administration of 16 F. F. test to 400 primary Teachers
 - (c) Research Project Survey of Progress in Education of some very bright students in Bombay.
 - (d) Arrangement of Talks given by very bright students in Bombay to students of std. X.

Municipal Teacher's Libraries :

There are three libraries and 30 Mobile libraries of the Education Department for Municipal Teachers and the staff. The central library is located at Gilder Tank Building. The other two libraries are at Santacruz and Ghatkopar.

The total No. of books at the end of the year 1977-78 was 78088.

Teacher's Library	Total No. of books in different libraries.	Mobile libraries	Children Corner.	Total
1	2	3	4	5
(1) Gilder Tank	30,190	3000	7424	40,314
(2) Santacruz	14,001	...	8898	22,899
(3) Ghatkopar	7,833	...	7042	14,875
				78,088

During the year under review 37,256 books have been issued to the members of all free libraries (Gilder Tank Building—19,397, Santacruz 11,673 and Ghatkopar 6,186). There are 30 Mobile library book boxes, each containing 100 books on different subjects. The working of these libraries have been temporarily discontinued as the van to carry the library boxes was not available as per the programme fixed. A proposal for a special van for the use of Mobile libraries is put up for M. C.'s sanction. All these libraries have children corner attached to them. There are 23064 books for children (Gilder Tank 7124, Santacruz 8898 and Ghatkopar 7042).

The total No. of periodicals purchased locally and subscribed for the above libraries is as under :—

Gilder Tank-	...	...	...	...	...	...	34
Santacruz	...	...	...	...	...	...	31
Ghatkopar	...	...	...	...	...	...	31

News papers in 5 Languages (Marathi, Gujarati, Hindi, English and Urdu) are purchased for each library.

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 Educational and/or Social Welfare Institutions 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 needed further expansion with view to raising the standard of education in our schools 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 Centre for Mentally retarded children continued to function during the year under report with 99 pupils units roll. The Children were provided with all necessary educational aids etc. and arrangement 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.

Schools 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 Lion 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 :—

Between February 1977 to February 1978 Dr. R. S. Saraf (on deputation from the Government of Maharashtra) was the Executive Director, Language Development Project.

Activities at 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.

During this period under report, the department of mother-tongue teaching, the department of English language teaching and the department of Hindi Language teaching were set up. The structure of each department was designed and the role and functions of each department under the Language Development Project were specified.

Organisations of workshops to provide theoretical base :

In collaboration with the C. I. E. F. L. Hyderabad, C. I. I. L., Mysore, S. I. E. G. M. Bombay, and the Universities of Bombay and Pune, 4/5 workshops were arranged for teaching of English to slum children, mother-tongue teaching, and teaching of Hindi as a second language, for the benefit of the academic staff of the language Development Project :

Teacher Training Programmes :

Since a teacher is an important factor in any educational improvement programme, teacher training was given top priority at the language Development Project Centre. The duration of the training courses lasted from one day to three months. As such about 500 primary and secondary teachers were trained in English language teaching (ELT) and 800 teachers (Marathi, Gujarati, Hindi) were trained in mother tongue teaching.

Production of Instructional material :

In order to strengthen teacher training programmes, Language Development Project devoted a substantial time to material production, like hand books for teachers ; work books for children supplementary reading material, reading boxes and audio visual material etc. For the purpose, therefore, a few workshops were organised to train the Language Development Project staff and teacher

for writing relevant instructional material. The following literature was prepared at the Language Development Project Centre during the period under review :

1. Prewriting material for children in Marathi, Gujarati, Hindi and Urdu.
2. Freereading material in Marathi, Gujarati, Hindi and Urdu.
3. Preparation of alphabet calender, reading boxes, slides on stories, story selections, poem selections, language games, poem appreciation booklets (Marathi, Gujarati Hindi and Urdu).
4. Puppetry show for narration of stories and songs in Hindi and Marathi.
5. Preparation of training kit for English teachers.

English publications of the Language Development Project include the following :—

1. Key to remedial exercises in English for standard VIII.
2. Dialogues for class-room use.
3. English in Maharashtra (1947-77).
4. A book of Nursery rhymes for standard I and II.
5. A book of supplementary reading material for standard I & II.
6. A book on prewriting activities.
7. A salient feature of the Language Development Project is the News Bulletin, a monthly organ of all the multifarious activities of the Language Development Project in Gujarati, English, Marathi and Hindi.

Research and Evaluation :

The following survey and studies were initiated during the year.

1. Study of factors pertaining to home background, behaviour and skills relevant to language learning.
2. Survey on the use of English.
3. Teaching aids available in schools.
4. Comprehensive biodata of language teachers.
5. Language Development Project course for teaching English to beginners.
6. Study of English in Maharashtra (1947-77).
7. Teaching of English in Kannada schools.
8. Use of tape recorders in the teaching of English.
- B Preparation of card index for language teachers of Municipal Corporation of Greater Bombay.
- C A comparative study of the marks in English of the annual examination of April 1978 of children taught by Language Development Project trained and not trained teachers.
- D A study of the reading interests of children of vacation libraries of Municipal Corporation of Greater Bombay.
- E Institutional study of project schools.

Curriculum resources centre :

Curriculum Resources Centre was set up during the year 1977-78 to help the teachers preview and select the existing material for use in the class-room.

Language Development Project library is one of the important constituents of the C. R. C.

It is used as the study centre by all who are professionally concerned students, teachers, teacher trainees, research workers, etc.

The Library has now nearly 6000 books on the subjects connected with the teaching of languages.

The Language Development Project has now a well-equipped studio with satisfactory recording facilities. The following material is available in this Section :—

1. Tape recorders
2. Film Projector
3. Record Player
4. Slide Projector
5. Radio
6. Filmstrip Projector
7. T. V.
8. 8 mm. Projector
9. Overhead Projector.

The software includes records, tapescripts, slides, filmstrips, transparencies and films. The C. R. C. has now a good film library as well as Cassette library. The following tapescripts are available for class room use :

1. Lessons from English Reader I
2. Dialogues for class room use.
3. Nursery rhymes (English).
4. Listening Comprehension Test.
5. "English for to-day", taped material.
6. Bal Bharati I (Marathi).
7. Nursery Rhymes (Marathi).
8. Bal Bharati I (Gujarati).
9. Nursery Rhymes (Gujarati).
10. Taped commentary on the Guided Composition combined with slides. (Gujarati).

Correspondence Section :

In order to train teachers of Municipal Corporation of Greater Bombay in the shortest possible time, the L. D. P. will soon open a Correspondence Section for organising in-service training through correspondence. The project is still at the planning stage and the work will begin soon.

School Health Services and Feeding Programme for the Year 1977-78

During the year, 1,73,339 children were examined in 1097 Primary Municipal Schools and 26,964 children were examined in 49 Secondary Municipal Schools.

1,67,777 children were found defectives. Total defects noticed among children were 3,51,149. 9084 Guardians were advised to get their wards examined and treated early. 1844 cases were treated at the Municipal General Dispensaries. 1,19,722 cases (New and old) were treated at the schools clinics.

2762 children were referred to the out-patients departments of the Municipal General Hospitals, for expert opinion, 310 tonsils operations were performed at the school clinics. 322 children were supplied with spectacles, 24 children were supplied with special aid such as calipers, hearing aid etc. 386 suspected cases of leprosy and 449 of tuberculosis were referred to the special clinics for investigation and treatment. Two leprosy children were disallowed from attending schools.

Major Defects noticed were as under :—

Major defects	percentage	Major Defects	percentage
Dental	49.14	Heart & Circulation	0.24
Throat	11.28	Lungs & Tuberculosis	1.53
Nose	11.36	Spleen	0.1
Eye (External Diseases)	1.94	Skin (Contegious)	6.36
Eye (Vision)	1.08	Deformity of bones & rickets	2.12
Ear Diseases	3.31	General debility	38.34
Enlarged Lymphatic glands...	25.44	Other diseases	7.26

Health Education was imparted to about 10,000 parents and teachers, 9197 domicilliary visits and revisits were paid. Health parade, health ministry and health trophy competitions were arranged in schools in A, B, E, P, M and N Wards with a view to inculcating health habits among the children.

Immunization work done as under :—

(a) Diphtheria and Tetanus	...	1st dose	65,423
		2nd dose	49,967
(b) Small Pox	...		1,47,725
(c) B. C. G. Vaccination...	...		85,122
(d) T. A. B. C.	...		2,13,727
(e) Polio	...	1st dose	63,613
		2nd dose	52,005
		3rd dose	38,010

The Medical examination in municipal schools were 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.

Snacks in the form of Milk, Sweet Bread, Biscuits and peanuts were supplied to the children of Municipal Schools.--

Tree Planting :

This year, for the planting programme in schools where space was available, Superintendent of Gardens supplied plants free of charge and adopted them for further maintenance. In addition to this, in the present syllabus of General Science for standard 1st to 7th Knowledge of plant-life, seeds, different crops, flowers, their growth and functions are included. The students are also encouraged to grow plants and observe their growth. The aim of such things is to create love for plant-life in children's minds. In some schools, the tree planting demonstrations were arranged with the help of Mali-cum-Caretakers, who are appointed to look after the tree plants etc. in schools compounds.

Secondary Education :—

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

Though it is not an obligatory duty, the Corporation has undertaken this activity purely with a view to meeting the needs of the children of poorer and labour class citizens as also to supplement the efforts of private schools. The Corporation conducts 50 municipal secondary schools at present

There are 1523 classes of different media in these schools at present with a total strength of 67,473 pupils in standards V to X. The total number of teaching staff in schools is 2400. The Corporation receives 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 the lower strata of the 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 Standard). This year, Residential Study Camp for eight days for the students securing more than 55% marks was organised at Nana Chowk municipal secondary schools.

Experts were invited to guide the pupils. Special classes for S. S. C. students were also conducted in all schools. For S. S. C. results of 1978. Please see Appendix VI.

Five Science resource centres were started for guiding and helping the Science teachers of secondary schools, in collaboration with Homi Bhabha Science Centre.

Different Studies and different Activities conducted by the Department.

In the year 1977-78, different studies were taken up by the Department :

Inservice Training Programme through Correspondence

In the year 1976-77, it was planned to prepare a package for Training Programme through correspondence 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 and standardise. The following steps were taken for this purpose :

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

Help of N. C. E. R. T. ; was sought for preparation of this material. Accordingly, the material is now prepared and ready for launching the correspondence Programme. During the year, this material was tried on about 100 teachers of different languages.

School Readiness Programme during the Summer :

Wastage is the main problem in Primary Education and very severe in Standard I. In order to prevent drop outs and to help the students in the class, the new children were enrolled in the month of April and for these new entrants, a Summer Programme was conducted at 12 different Centres. This Programme was financed by different Social Organizations like Lions Clubs, Rotarians etc. The Department provided the Physical facilities of accommodation and some material. The study of this programme revealed that this is very useful and it helped us to reduce the drop-out rate. Further study will be carried out in the year 1978-79.

Merit Scholarship Classes :

It was usually observed that the municipal school children cannot complete with the private school children in the Merit Scholarship examinations conducted by the Government. In the year 1977-78, the department started special classes for academically advanced students and prepared them for the Scholarship examination. 16577 children were prepared for the examination. However the examinations are postponed to May 1978. Necessary material including the duplicating machines, and books were provided for these classes.

Development of talents of municipal school children :

Different Cultural Programmes and Competitions in dance, music etc. were organised by the Department. It is usually seen that there are a number of children who have an aptitude for art of drawing. In order to encourage these children, it was the first time that the department organised Drawing Competitions on large scale and about 20,000 children participated in these competitions and the first five from each group in each of the Wards were awarded prizes. In order to involve parents in the school activities, the schools in remote areas organised individual school functions and they had received a very good response from the parents.

New Approach of Teaching in Standard :

Amongst different remedies to reduce the drop-out rate, the Department introduced new approach of teaching children in standard I. 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 very effective but it was found that it is essential to provide teaching/learning material for these students especially for small group work.

The department has provided some of this material but looking to the large number of schools (1156) the amount available for this purpose is very meagre. The department also tried to introduce ungraded system in standard II, but for want of availability of material required for grouping of the children according to their achievements and abilities, this could not be implemented.

Curriculum Development Centres:

Total Primary Teacher population of the department is about 17,000 working in the schools spread all over Bombay. The school teachers need assistance and professional guidance in order to implement new activities. Teacher being the main agency of taking new ideas, new approaches to the schools and the children, it is essential to make available such guidance and the facilities close to the area where they are working. It was, therefore, planned to establish Curriculum Development Centres one in each ward. The Administrative Officer for School in the Ward, who is 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 their preliminary stage. They will be developed gradually in next few years.

Community Centres at Danda, and Colaba Municipal Schools:

Nirmala Niketan College of Social Work is conducting 2 Community Centres one at Danda municipal school and another at Colaba municipal school. The Social Service Department of the College of Social Work is mainly 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 teacher 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 school. This has also resulted in better performance of standard I classes.

Professional Development of the Officers

Equally important is the professional development of the Officers who are mainly responsible to disseminate the policy, the innovation, etc. introduced by the Head of the department. All the efforts were, therefore, done to give them as many opportunities as possible to participate in Seminars, Conference Workshops, etc. Three workshops in Material Production for Teacher Training were organised at different duration and at different levels. Almost all the Officers and Headmasters were benefitted by these workshops. The first workshop was organised with the help of Resource Persons from Centre for Educational Technology.

Development of Personnel for Planning and Management

The efficiency of this huge department depends on the efficient planners and managers at different levels. One 2-Days Seminar was organised with the help of experts from British Council in Educational Management and Institutional Planning. About 30 Officers participated in this seminar where they had the opportunity to listen to the new ideas of management, to discuss these new ideas in relation to their own problems of management, and they were given actual exercises also. Twenty Officers participated in different Conferences at State and National Level organised by Tata Institute of Fundamental Research, Centre for Educational Technology (CET), National Staff College, New Delhi Central Institute of Foreign Languages, Hyderabad State Institute of Education Poona.

The Education officer was invited by Directorate of Education, Indian Institute of Education, Paris Centre for Educational Technology, New Delhi, Department of Psychological Foundation, N. G. E. R. T., New Delhi, Text Books Bureau, Maharashtra State, State Institute of Education C. I. F. L., Hyderabad etc. to participate in the celebrations of their Conferences. She was also requested to attend the workshop on Non-formal Education by NCERT to guide the Medical Officers in preparation of material for non attending school going age children in health and hygiene.

It is felt that the Municipal Corporation of Greater Bombay is the unique Corporation which is striving so much and putting in a lot of efforts in educating lacs of children and also providing facilities of secondary education to the children majority of who are coming from lower strata of the society and really doing a very good job in the interest of the National Development.

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 Encowments and investments (5) Rent and other proceeds of properties (6) Interest on profits on investments of Surplus Loan and other balances and (7) other Miscellaneous Receipts.

The opening balance as on 1st April 1977 was Rs. 50,33,942.

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

	Municipal Contribution	Government Grant	Education Cess	Other Misc. Receipts	Total Income
	Rs.	Rs.	Rs.	Rs.	Rsl. -
City, Suburbs and Extended Subs.	14,10,33,928	2,25,72,340	5,05,07,211	39,22,281	21,80,35,760

The total expenditure for the year amounted to Rs. 21,46,76,667.

The closing balance as on 31st March 1978 (after taking into account increase in Renewed Grant) was Rs. 49,85,724.

K. N. Kamat,
Education Officer.

State Award Winner Teachers for 1977-78.

Sr. No.	Name of the Teacher	Designation	Name of the school
(1)	Shri Gopal Pandurang Varekar	Head teacher	Bellasis Rd. U. P. M. S.

Municipal Award Winner Teachers for 1977-78.

Sr. No.	Name of the Teacher	Designation	Name of the school
(1)	Shri Ghanshyam I. Chougale	H. T.	Khetwadi U. P. M. S.
(2)	Shri Aba. R. Kamble	H. T.	Worli Police Camp UPMS.
(3)	Shri Banemiyam Jainuddin Sk.	Tr.	Khedgalli UPMS.
(4)	Shri Sandesh N. Patil	Tr.	Shivaji Park UPMS.
(5)	Smt. Manjula B. Kamat	H. T.	Jogeshwari Gumpna M. S. No. 4.
(6)	Shri Shashikant A. Avsare	Tr.	Unnatnagar UPMS.
(7)	Shri Horniman D. Salvi	H. T.	H. P. Keluskar Marg UPMS.
(8)	Shri Madhukar G. Vange	Tr.	Barve nagar M. S. No. 1.
(9)	Shri Janardan S. Desai	Dy. H. T.	Poibavdi No. 1 UPMS.
(10)	Shri Narayan G. Surve	Tr.	Jaganmuth Bhatankar Marg Voc. UPMS.
(11)	Smt. Savitri M. Pathak	H. T.	Gokhale Rd. (S) G. S.
(12)	Smt. Rabiya A. Aziz Shaikh	H. T.	Cadel Road U. S.
(13)	Shri Syed Talib Ali Azam Ali	Tr.	Navapada Urdu school.
(14)	Shri Phulsingh Thakurdin	H. T.	Tagore Nagar H. S.
(15)	Smt. Sunanda K. Nayak	H. T.	Vakola UP Kannad school.
(16)	Shri Banglcre Narsinhan.	Tr.	Siddharth Nagar Telugu School
(17)	Shri G. Y. Gadekar	H. M.	Vile Parle S. S.
(18)	Smt. Rachana J. Shastri	Tr.	Topiwala Lane S. S.
(19)	Shri Riyaz Ali Akbar Ali	Music teacher	Souter street U. S.
(20)	Shri Bhalchandra G. Pathare.	Drg. Tr.	South Girgaum UPMS.

APPENDIX No. I
Municipal Schools and Pupils as on 31st March 1978.

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Schools	Classes	Pupils	Schools	Classes	Pupils	Schools	Classes	Pupils
Marathi	236	..	154275	154	11	141404	76	1	61756
Gujarati	67	6	17770	55	2	20843	39	1	20480
Urdu	103	3	37392	76	1	38386	18	1	6335
Hindi	52	2	18509	59	1	24717	29	2	13352
Tamil	10	4	4095	12	2	3672	8	4	2273
Telugu	16	1	6041	10	3	1933	2	4	633
Kannad	13	5	2926	20	2	6428	6	2	2683
Eng. Primary	18	1	6736	11	1	3558	3	..	1031
Sindhi	3	..	131	2	..	686	4	..	264
Malyalam	..	..	..	..	4	170	..	..	..
Total	518	22	247876	399	17	244497	185	15	108887

APPENDIX No. II
Statement showing The Number of Trained and Untrained Teachers in Municipal Schools according to sides as on 31-3-1978.

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Trained	Un-trained	Total	Trained	Un-trained	Total	Trained	Un-trained	Total
Marathi	4530	11	4541	3738	6	3744	1674	5	1679
Gujarati	586	..	586	651	2	653	637	1	638
Urdu	1113	4	1117	987	7	994	164	2	166
Hindi	567	1	568	740	3	743	361	6	367
Tamil	108	4	112	78	6	84	57	3	60
Telugu	119	55	174	45	10	55	16	4	20
Kannad	87	6	93	201	5	206	79	2	81
Eng. Primary	176	22	198	90	4	94	25	5	30
Sindhi	6	3	9	24	6	30	19	5	24
Malayalam	..	..	..	8	..	8	..	..	..
Total	7292	106	7398	6562	49	6611	3032	33	3065

APPENDIX NO. III.
Municipal Recognised and Aided Schools and pupils as on 31-3-1978.

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	9097	30	9540	21	4699	37	14753	9	845	19	5891
Gujarati	30	8216	26	7085	19	3240	18	8590	17	4217	22	13288
Urdu	4	286	9	3043	3	642	3	512	..	..	..	..
Hindi	..	..	11	3390	5	1081	9	2878	4	535	7	2395
Sindhi	..	..	1	36	..	..	1	207	..	..	..	..
Tamil	..	..	4	732	..	..	1	325	1	261	..	..
Telugu	..	..	..	..	..	..	..	..	..	..	..	..
Malayalam	..	..	2	202	..	..	1	321	1	135	..	..
Kannad	1	22	5	521	..	..	..	..	..	..	1	166
English Primary	105	38458	33	15226	123	51214	27	9238	42	15027	8	2876
Total	161	56079	121	39780	171	60876	97	36829	74	21020	57	24605

APPENDIX No. IV
Information Regarding Physical Education in Municipal Schools

Number of Schools and Classes (1082+67)	..	..	..	..	1156
Schools imparting physical education on playgrounds	..	..	..	..	279
Schools imparting physical education in open spaces	..	..	..	..	405
Schools imparting physical education in Class-room	..	..	..	..	432
Total number of Pupils	..	..	..	..	6,01,259
Pupils taking Physical education	..	..	..	..	6,01,259
Number of trained teachers in physical education	..	..	..	..	3708
Special Teachers in Physical Education	..	..	..	..	175
Number of schools with playground	..	..	..	..	279
—do— with equipment for play	..	..	..	..	672
—do— with qualified instructors	..	..	..	..	175
—do— having Scout/Guide Troops	..	..	..	..	654

APPENDIX No. V.
Average cost per pupil

	YEAR					
	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78
Average cost ..	Rs. 206.14	Rs. 240.44	Rs. 233.67	Rs. 304.09	Rs. 295.90	Rs. 357.10

APPENDIX No. VI.
Municipal Secondary Schools
S. S. C. Results—New Course 1978.

Serial No.	Name of the School.	No. of students appeared.	No. of students passed.	Percentage of passing during the year 1978.	Percentage of passing during the year 1977.
1	2	3	4	5	6
1	Colaba	153	77	50.3	35.27%
2	Dongri	85	22	25.8	18.1
3	Imamwada	161	26	16.1	16.4
4	Kalbadevi	133	63	47.4	37.20
5	Gilder Lane	285	37	12.98	20.28
6	Nagpada	36	6	16.6	32.7
7	Abhydaya Nagar	287	79	27.52	18.81
8	Sion	79	29	36.7	14
9	N. M. Joshi Marg	144	51	35.4	26.5
10	Worli	149	61	40.95	37.5
11	Santacruz	202	12	5.9	17.2
12	Vile Parle	125	40	32	20.00
13	Andheri	172	35	20.3	16.99
14	Kandivli	94	24	25.5	22.4
15	Borivli	225	88	39.1	35.75
16	Barve Nagar	250	47	18.8	19.2
17	Mulund	253	46	18.1	15.5
18	Topiwala Lane	78	22	28.21	26.8
19	Nagaon	148	78	52.7	48.8
20	Rajawadi	100	16	16	10.60
21	Goregaon	194	103	53	45.77
22	Melad	205	63	30.7	22.3
23	Mohd. Umer Rajab Rd.	64	23	36	26.66
24	Byculla	54	42	77.7	32.25
25	Dadar West	59	9	15.2	22.66
26	Erangal	19	3	16	0
27	Mahim	172	60	39.9	29.3
28	Walpakahdi	23	0	0	13
29	J. R.	50	20	40.01	27.90
30	Walibai	43	17	39.53	35.13
31	Chhotalal D.	27	19	70.3	19
32	Nana Chowk	83	24	28.9	24.69
33	Tardeo	33	17	51.5	28
34	Souter Street	81	19	23.4	1.4
35	East Byculla	140	61	43.5	15.33
36	Agripada	78	13	16.6	17.29
37	Nare Park	196	49	25	24
38	Shindewadi	76	17	22.3	18.1
39	New Sion	104	17	16.4	16.47
40	L. K. Waghaji	102	14	13.74	16.47
41	Globe Mill Passage	133	47	35.4	39
42	Prabhadevi	89	47	52.82	30
43	R. C. Mahim	35	7	20	25
44	L. J. Road	60	19	31.67	19
45	Khernagar	221	123	55.5	49
46	Santacruz (West)	172	57	23.14	44.5
47	Vile Parle (West)	72	27	37.5	24
48	Motilal Nagar	119	45	38	34.3
49	Vikhroli Park Site	153	28	18.4	32.53
50	G. K. Marg	44	1	2.27	0
Total	..	6060	1850	1562.50	22.6

Average percentage 1978—30.53

Average percentage 1977—25.

GENERAL SANITATION

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

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

(C) **Water Supply** : Bombay receives chlorinated water supply from Tansa, Vaitarna and Vihar 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 and 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 are also licensed under the Maharashtra Prevention of Food Adulteration Rules, 1962.

Details of Food Articles destroyed being unfit for human consumption are as under :-

Sweets.	Other than sweets.		Vegetables and Fruits		
	Kgs.	Solids Kg.	Liquid Litres.	Kgs.	Dozs.
78,912	1,12,596-	1,39,832	36,918	30,810	

VITAL STATISTICS

Births and Birth-rate : Live births registered during the year were 1,85,211 which were 5,704 less than for 1976 and 75,574 above average of the quinquennium 1972-1976. The birth rate was 24.4 per 1,000 population.

Deaths and Death-rate : 67,722 deaths were registered during the year. They were 3,319 more than for 1976 and 5363 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 8.8 for 1976, 20.7 per cent of the total deaths were among infants.

Infant mortality : Death among infants under 1 year of age numbered 13,999 which were 148 less than in the preceding year and 908 more than the annual average of the quinquennium 1972-76. The infant mortality rate was 75.6 per 1,000 live births against 74.1 in 1976. Details of infant deaths are in tables 3 and 4. The maternal mortality numbered 88, the rate being 0.5 per 1,000 live births as against 0.6 during 1976.

CONTROL OF INFECTIOUS AND COMMUNICABLE DISEASES

Notification : Notifications of infectious diseases numbered 20750 as against 18064 in 1976. Of these, 831 were from the medical practitioners. For details, refer table No 5. Immunization procedures carried out during the year are detailed in Table No 1.

Infective Hepatitis : caused 1722 attacks (including 63 originating in the other local areas of India) and 253 deaths.

Plague : There was no case of Plague.

Rat Control Work : Integrated rats control with the employment of combinations of different measures was planned and executed. Total number of rats caught and destroyed was 8,44,787 (including 1,98,366 Rattus Rattus and 3,15,053 Gynnoys Kok) as against 9,70,565 in 1976. 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.

Smallpox : 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 measure. 5,74,914 persons were inoculated against Cholera.

Influenza : It caused no deaths.

Enteric Fever : The number of notified cases viz. 470 (including 4 originating in other local areas of India) was 177 more than that in 1976. Number of deaths was 49 as against 34 in 1976.

Acute Anterior Polio myelitis : 757 cases (including 106 originating in the other local areas of India) and 27 deaths were reported due to this disease.

Diphtheria : 299 cases were notified. Of these, 22 were originating in the other local areas of India, 28 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, 17502 T.B. cases were notified and deaths numbered 8,053. Services of Health Visitors have been integrated with the Services of Treatment Organizers working under Assistant Health Officer (T.B.).

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

Venereal Diseases.—Venereal diseases cases were treated at the Municipal V.D. Clinic situated at 254, J.B. Boman Behram Marg, Bombay, 8, with the latest methods of treatment after proper clinical diagnosis confirmed by modern laboratory tests, carried out at the Clinic's Laboratory. A refresher course in V.D. was conducted periodically at this clinic, for the benefit of general medical practitioners and Medical Officers i/c Municipal General Dispensaries. The two medico-social workers helped in tracing the defaulting patients and married partners to take continued and complete treatment. Some female patients willing to be rescued were given aid in rescuing themselves through the Vigilance Branch of the Police Department. Blood samples of urethral smears sent by private medical practitioners for examination, were examined and they were furnished the reports confidentially free of charge. Also, 22,061 samples of blood were received from the Municipal hospitals and Municipal Maternity Homes and hospitals for opinions. 23,801 male and 1,474 female Venereal and Non-Venereal cases were treated. Out of 22,126 Venereal cases, 6,727 were Syphilis, 9,578 were Gonorrhoea and 5,158 were cases for non-syphilitic sores. On an average 1,068. 7 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. 7,901 new cases were treated at the clinics, the total attendance being 26,079. Daily average attendance numbered 369. 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 constructions 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 1977 to December 1977, as under :—

(1) **Comprehensive Health Care to the Municipal School Children.**—Medical Examination of 35,018 children in 1st and 3rd standards of 169 Municipal Schools allotted to this Unit by the Medical Officer (Schools) was conducted and in all 1,80,407 immunizations were carried out (Table 12)

(2) **Control of communicable diseases.**—2,70,301 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, 836 health drives and 74 family planning exhibitions were held in different localities, mills, factories, etc. and 70,160 persons were medically screened and treated.

(4) **Information-cum-Distribution Centres.**—With facilities for vasectomy operations were conducted with central and Western Railway authorities.

(5) **Two Medical Aid Centres** have been established in slum areas for primary medical care of the Slum Dwellers.

(6) **Training of medical and para-medical personnel.**—254 medical interns from G.S.M. College were trained in Health Practices.

(7) **Film Shows :** In all 329 film shows on mass health education and family planning were arranged in different localities.

VACCINATION

There was no case of Small pox in Greater Bombay. The Greater Bombay was declared an area of compulsory protection against Small pox throughout the year. The Vaccination drive was continued. With 130 vaccinators and 81 vaccinators, and 56 supervising vaccinators appointed under the Scheme of National Smallpox Eradication Programme 1,90,315 primary and 14,98,645 re-vaccinations were carried out. Primary vaccinations included 1,71,268 vaccinations of Bombay-born children. Neo-natal vaccination was carried out in all the Municipal Maternity institutions and also in private maternity institutions. Out of 159 permanent public vaccination centres, on an average 19 centres functioned daily. Eightytwo cases of Tetanus, following primary vaccinations were treated in the Municipal Hospitals. However, all cases proved fatal. 96 candidates were given theoretical instructions and practical training in vaccination. 1,011 pilgrims proceeding to Haj were vaccinated and issued health certificates.

MALARIA

Potential breeding places such as well cisters, overhead tanks, mill-tanks, storm water entrance and drains were checked periodically for detection and destruction of such mosquitoes. The Rural vector *A. fluviatilis* was detected on 2 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 163 occasions and *Aedes* index was 0.005 per cent. 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 particularly during monsoon months.

Entomological Survey.—To determine the filaria infection rate in mosquito populations, 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 3,000 houses with a population of about 15,000. He visits these 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 Filariasis, Poona and Regional Co-ordination Officer, Baroda.

CEMETERIES

There are on the record, in all 180 cemeteries in use in Greater Bombay. Of these, 25 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 reuse 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 as provided under Section 63(k) of the Bombay Municipal Corporation Act, to avoid inconvenience to mourners.

MUNICIPAL LABORATORY

To safeguard public health, samples of various food-stuffs 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	16,460	920
(2) Bacteriological Examination	21,492	2,697

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 82 cases and the other public analysts attended courts in 49 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 a.m. to 6 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 1st May 1975 and the work of seizure and impounding of stray cattle is done by this Department with effect from 1st October 1976.

Maternity and Child Welfare.—The Maternity and Child Welfare Services were rendered through 22 Municipal Maternity Homes, 8 Maternity wards attached to 8 Municipal general hospitals and 37 maternity and child welfare centres. The scheduled strength of maternity beds was 1239. The number of deliveries conducted was 76,632. 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 outpatient 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) L. U. C. D. Insertions	4,472
(2) Vasectomy Operations	15,966
(3) Tubectomy operations.	24,298
(4) No. of condoms distributed	11,42,993

KASTURBA HOSPITAL FOR INFECTIOUS DISEASES

Dr. V. V. Shanbhag, M. D., Professor and Head of the Department of Medicine, T. N. M. College continued to be in overall charge of the Hospital during 1977.

Dr. (Smt.) S. N. Marathe, M. B. B. S., D. P. H., Dy. Medical Superintendent, looked after the administration work of the Hospital,

Admissions.	18,092
Expenditure	81,42,296

ACTIVITIES

(1) **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 100 to 150 bottles are supplied daily.

(2) **Analytical Section.**—Quality control :—Quality control of the drugs manufactured by Kasturba Hospital Pharmacy Department and the raw material required for it was done under the supervision of the Analyst of the B. Y. L. Nair Charitable Hospital.

Immunization Centre.—1194 persons were immunized against Diphtheria, 4117 against Enteric Fever, 2856 against Cholera, 284 primary and 16067 re-vaccinations were done against Smallpox.

Mortuary.—A new mortuary block with refrigeration to accommodate 36 dead bodies was started from 25th September 1975 and autopsy room was provided in it. It is proposed to perform post-mortems in the autopsy room by equipping it with necessary requirements.

The Admission Laboratory.—The Admission Laboratory started functioning from 24th March 1975 for emergency and routine investigations between 5-30 p.m. and 8 a.m. The posts of resident Pathologists are filled in for this purpose.

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Ward Laboratories.—As required by the Bombay University, for recognition to house posts or post-graduate studies, two wards 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 1st August 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 25th October 1975 on trial basis.

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

Teaching.—Instructions in Infectious Diseases were given to 759 students including undergraduates of M. B. B. S., Ayurvedic, Homoeopathic and 41 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 Department worked satisfactorily.

MEDICAL RELIEF

Municipal General Hospitals.—The Public Health Department conducted ten 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 128 dispensaries and 22 mobile dispensaries were 3887807 against 3951191 in 1976. The total attendance was 14187783 as against 14659258 in 1976.

Clinics for women and children were conducted at 4 dispensaries for two hours thrice a week. New cases treated were 1780 (1475 women and 305 children), as against 1268 in 1976. The total attendance was 9582. These figures include visits by the Lady Doctors to patients at their homes. At the 37 maternity and children welfare clinics, were treated. The total attendance was 624842.

Municipal Eye Hospital, Kamathipura.—The total number of new cases treated and the total attendance at its out-patient department of this hospital were 37762 and 124652 as against 36656 and 138424 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 2027 and 21471 respectively, as against 1565 and 20290 respectively in 1976.

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 services 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, Sare Guruji Marg.**—For Infectious Diseases cases (free) and dead bodies (on payment) within Greater Bombay.

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

PLACE WHERE AMBULANCE IS STATIONED

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

Upgraded dispensaries.—There has been considerable overcrowding at the Out-patient Departments of the Municipal General Hospitals, making it difficult for the medical staff of the Hospitals to pay adequate attention to each patient. The overcrowding in the O. P. Ds. is due to the attendance of a large number of patients requiring only dispensary treatment. With a view to relieving the general hospitals of the heavy load of patients, 39 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. was carried out through the Public Relations Department of the Corporation.

Dr. M. K. VAIDYA,
Executive Health Officer.

TABLE I

Notifiable Diseases	1977	
	Attacks.	Deaths.
Plague
Cholera
Small Pox
Diphtheria
Enteric Fever	299	28
Infectious Hepatitis	470	49
Tuberculosis	1722	253
Meningococcal Infection
Typhus
Puerperal Fever
Anterior Poliomyelitis
Influenza
Virus Encephalitis
Scarlet Fever
Yellow Fever
Relapsing Fever
Leprosy
Haemorrhagic Fever
Dangue Fever

Immunization		Total during 1977
Diph. Tetanus	1st dose	97,089
	2nd dose	51,561
Triple	1st dose	1,80,865
	2nd dose	82,320
	3rd dose	47,304
	Booster dose	4,125
Polio	1st dose	2,48,480
	2nd dose	1,46,325
	3rd dose	1,13,223
		3,221
T. A. B.	Booster	6,61,501
Cholera		5,74,914
Small-pox: Primary		1,90,315
Re-vaccinations		14,98,645
Tetanus-toxide	1st dose	4,29,275
	2nd dose	70,502
	3rd dose	54,281
B. C. G. Vaccination		1,74,530

TABLE 2

Deaths and Death rates from Epidemic and Principal Causes, 1977

Causes of Death	Average of year 1972-76		1976		1977	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rates
<i>Principal Epidemic Diseases</i>						
Smallpox	3	0.0	69	0.0	80	0.0
Measles	199	0.0	..	..	..	..
Plague	..	..	..	..	..	..
Enteric Fever	53	0.0	34	0.0	49	0.0
Malaria Fever	..	..	..	..	..	..
Influenza	..	..	..	..	..	..
Cholera	..	..	..	..	..	..
Dysentery	297	0.0	262	0.0	295	0.0
Diphtheria	68	0.0	54	0.0	28	0.0
<i>Other Principal Diseases</i>						
Tuberculosis	7,413	1.1	7,452	1.0	8,053	1.0
Meningococcal Infection	1,042	0.1	1,231	0.2	1,347	0.2
Diseases of R. spirochetal system	11,543	1.6	11,331	1.5	12,612	1.6
Diarrhoea & Enteritis	3,597	0.5	3,865	0.5	4,080	0.5
Puerperal State	84	0.0	113	0.0	88	0.0
Congenital D. bility & Diseases of early infancy	6,195	0.9	6,626	0.9	5,433	0.7
S. nility Without mention of psychosis	1,815	0.2	3,201	0.4	2,983	0.3
Violence	4,699	0.6	4,995	0.7	5,019	0.6
Other causes	25,351	3.7	25,170	3.4	27,562	3.6
Total	62,959	9.1	64,403	8.8	67,722	8.9

TABLE 3
Deaths among infants from Principal Causes by Age-period—1977.

Age Period	Small pox.	Meas- les.	Malari- al fever.	Diarr- hoea & enteri- tis.	Dysen- tery.	Congen- ital mal- formati- on & di- seases of early infancy.	Disea- ses of respira- tory system.	Convul- sions.	Polio- myelitis	Other causes	All causes	Percentage to the total of infants deaths.
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 7 days	81	1	3346	503	...	1	985	4917	35.1
1 to 4 Weeks	353	5	1052	608	...	...	553	2571	18.4
Total under 4 weeks	434	6	438	1111	...	1	1538	7488	53.5
4 weeks to 6 months	...	5	...	751	25	863	1409	...	3	689	3745	26.8
6 months to 12 months	...	15	...	663	33	262	1076	...	16	701	2766	19.7
Total	...	20	...	1848	64	5493	3596	Nil	20	2958	13999	100.0

TABLE 4
Infant mortality from Principal Causes (1972-1977).

Causes of death.	1972	1973	1974	1975	1976	1972 to 1976 (A)	1977 (B)	Difference between (A) & (B)	
Polyomyelitis	...	25	2	15	13	24	16	20	+4
Smallpox	1	...	...	...	...	...
Measles	...	27	40	25	50	8	30	20	-10
Malarial Fever
Diarrhoea & Enteritis	...	1793	1615	1369	1713	1925	1683	1848	+165
Dysentery	...	68	70	45	44	44	54	64	+10
Congenital malformation and diseases of early infancy	...	5163	5487	5328	5763	6562	6561	5493	-168
Diseases of Respiratory systems	...	3321	3717	3512	3701	3351	3560	3596	+36
Convulsions	...	22	22	5	1	...	10	...	-10
All causes	...	13445	13976	13123	13767	14147	13691	13999	+308

TABLE 5
Cases of Notifiable Diseases reported in 1977.

Wards	Cholera	Small pox	Plague	Enteric Fever	Diph- theria	Typhus	Puer- peral Fever	Tuber- culosis	Relap- sing Fever	Influe- nza	Spinal Fever	Acute interior Poli- myoelitis	Virus enceph- alitis	Scarlet Fever	Infec- tive Hep- atitis	Lep- tosis	Tot
A	22	11	...	...	451	...	...	...	15	...	...	39	...	538
B	49	18	...	...	456	...	...	...	7	...	...	95	...	625
C	35	15	...	...	1,029	...	...	...	7	...	...	50	...	1,136
D	33	21	...	...	879	...	...	...	31	...	...	108	...	1,072
E	121	26	...	...	1,772	...	...	...	71	...	...	313	...	2,303
F	64	44	...	...	2,279	...	...	...	68	...	...	270	...	2,725
G	95	39	...	...	2,749	...	...	...	86	...	...	228	...	3,197
H	6	18	...	...	2,171	...	...	...	39	...	...	69	...	2,303
K	7	17	...	...	1,523	...	...	...	73	...	...	96	...	1,716
L	6	12	...	...	1,185	...	...	...	36	...	...	70	...	1,309
M	4	20	...	...	535	...	...	...	57	...	...	107	...	723
N	10	21	...	...	457	...	...	...	89	...	...	114	...	691
P	7	3	...	...	1,481	...	...	...	31	...	...	50	...	1,572
R	5	8	...	...	332	...	...	...	23	...	...	35	...	403
T	2	4	...	...	203	...	...	...	18	...	...	15	...	242
Imported Cases.	4	22	...	...	...	...	...	...	106	...	...	63	...	195
TOTAL:—	470	299	...	...	17,502	...	...	...	757	...	...	1,722	...	20,750

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	Relapsed	Indigenous	Not treated
1 Active—																	
City	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suburbs	28147	24817	24817	24817	...	396	350	41	...	5	346	35	...	...	...	129	20
Extended Suburbs	19640	19640	19640	19640	...	230	222	9	...	...	189	20	...	...	...	72	17
Total	44457	44457	44457	44457	...	627	572	50	...	5	535	55	...	...	...	201	37
2 Passive—																	
City	133376	133376	133376	133376	...	1409	1354	50	...	5	876	21	...	...	...	272	329
Suburbs	66164	66164	66164	66164	...	593	570	22	...	1	560	9	...	...	...	120	103
Extended Suburbs	47202	47202	47202	47202	...	642	627	13	...	2	587	16	...	...	...	91	143
Total	246742	246742	246742	246742	...	2644	2551	85	...	8	2023	46	...	...	...	483	575
3 Mass—																	
City	27698	27698	27698	27698	...	19	14	5	...	...	17	2	...	...	...	3	3
Suburbs	9034	9034	9034	9034	...	12	10	2	...	...	11	1	...	...	...	4	...
Extended Suburbs	13667	13667	13667	13667	...	67	60	7	...	...	56	6	...	...	...	63	2
Total	50449	50449	50449	50449	...	98	84	14	...	...	84	9	...	...	...	70	5

TABLE 7

Wardwise break up of Malaria Positive cases with the species and classification.

Ward	No. of positive cases	Malaria Parasites				Classification			
		V.	F.	M.	Mixed	Imported	Indigenous	Untraced	Untreated**
A	204	198	5	...	1	106	37	45	16
B	64	62	2	...	...	36	9	12	7
C	40	37	3	...	...	28	5	7	...
D	157	150	5	...	2	90	35	28	4
E	356	336	18	...	2	221	51	75	9
F	335	321	14	...	...	182	76	70	7
G	262	251	10	...	1	171	54	35	2
H	171	164	7	...	...	104	28	31	8
K	140	135	5	...	...	81	38	21	...
L	144	142	2	...	...	114	16	13	
M	364	345	18	...	1	157	161	37	9
N	259	253	5	...	1	175	24	50	10
P	231	219	11	...	1	159	40	29	3
R	452	411	37	...	4	248	151	42	11
T	190	183	7	...	...	126	29	30	5
Total	3,369	3,207	149	...	13	1,998	754	525	92

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 during the Year 1977, at Kasturba Hospital, Sane Guraji Marg, Bombay 4000-11.

Month	Small Pox.	Chicken Pox.	Measles	Mumps	Anterior Polio Myelitis	Infections Hepa- titis.	Cholera	Influenza	Diarrhoea & Vomitt- ing due to Gastro enteritis.	Plague	Diph- theria.	Enteric Fever.	C. S. Fever.	Typhus Fever.	Erysipe- las.	B. Dy- sentery.	A. Dy- sentery.	Whooping Cough.	Other Diseases.	Total	Dischar- ged.	Death.	Daily average No. of Patient.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
January	..	211	162	23	64	104	..	..	237	..	35	12	..	..	..	7	6	..	567	1428	1377	51	417
February	..	459	144	22	35	70	..	..	151	..	27	7	..	..	..	4	6	..	567	1492	1448	44	451
March	..	702	182	47	27	109	..	..	203	..	30	6	..	..	..	..	16	1	431	1754	1711	43	463
April	..	277	103	26	31	66	..	..	218	..	18	18	..	..	..	4	71	1	486	1349	1308	41	390
May	..	52	16	10	29	80	..	..	223	..	14	20	..	..	..	17	36	..	724	1221	1168	53	352
June	..	20	16	13	77	79	..	..	239	..	16	40	..	..	..	6	6	..	617	1189	1168	43	350
July	..	13	8	9	110	116	..	..	523	..	16	37	..	..	..	15	5	..	809	1747	1695	52	
August	..	23	9	9	92	123	..	..	543	..	11	30	2	..	..	13	7	..	1028	1890	1826	64	
September	..	24	7	4	55	96	..	..	392	..	17	23	..	..	..	15	9	..	897	1539	1477	62	
October	..	34	20	12	54	145	..	..	340	..	30	41	1	..	..	8	9	..	661	1355	1293	62	
November	..	32	21	12	23	150	..	..	468	..	20	39	..	..	..	4	5	..	676	1450	1404	46	
December	..	64	23	6	32	217	..	..	384	..	22	98	..	..	..	13	36	2	781	1678	1615	63	
Total	..	1911	711	193	629	1355	..	..	4016	..	256	371	3	..	..	106	212	4	8325	18092	17468	624	

TABLE 9

Admissions from 1974 to 1977 at the Kasturba Hospital for Infectious Diseases (Diseases-wise)

	Years			
	1974	1975	1976	1977
Smallpox	16	...	...	...
Chickenpox	1,931	2,163	2,662	1,911
Measles	1,038	925	1,121	711
Mumps	505	678	607	193
C. S. Fever	...	1	...	3
Diphtheria	739	627	417	256
Influenza	...	...	...	...
Whooping cough	15	64	17	4
Erysipelas	...	...	...	...
Enteric Fever	598	345	265	371
B. Dysentery	54	18	66	106
A. Dysentery	27	152	155	212
Cholera	...	...	...	...
Plague	...	...	...	...
Typhus Fever	...	...	...	...
Diarrhoea & Vomiting due to gastroenteritis—	4,434	4,379	3,677	4,018
Anterior poliomyelitis	484	679	662	629
Infective Hepatitis	1,842	1,233	1,536	1,355
Other diseases	11,982	10,265	9,074	8,325
Total	23,665	21,529	20,262	18,092
Deaths	798	655	656	624
Discharged :—	22,867	20,874	19,566	17,468
Daily average No. of patients	530	455	449	414

TABLE 10

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

Particulars	Year			
	1974	1975	1976	1977
	Rs.	Rs.	Rs.	Rs.
Drugs, Dressings & Disinfectants ..	30.59	25.97	34.93	32.06
Diet. ..	27.65	31.67	30.73	31.36
Clothings ..	3.50	6.37	7.07	4.05
Stores ..	2.80	7.16	9.38	4.62
Total ..	64.54	71.17	82.11	72.10
Total No. of patients treated :	23,665	21,529	20,262	18,092

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 Indoor Patient.	Infectious Hepatitis Out-Patient Department
	Rs.	Rs.
Diet. ..	4.48	..
Stores and Linen ..	1.25	0.17
Drugs, Dressings Disinfectants etc. ..	4.58	1.58
Lighting, Miscellaneous etc. ..	2.32	0.17
Repairs. ..	0.38	..
Establishment ..	29.09	2.61
Total ..	42.60	4.53

TABLE 12

Immunizations, (By Mobile Health Unit).

		Immunizations		
		In School	In field.	Total
Dip.	Tetanus			
	1st dose	21,539	265	21,804
	2nd dose	11,057	..	11,057
Triple :				
	1st dose	..	4,897	4,897
	2nd dose	..	2,259	2,259
	3rd dose	..	1,212	1,212
	Booster	..	806	806
Polio :				
	1st dose	..	5,322	5,322
	2nd dose	..	2,184	2,184
	3rd dose	..	1,228	1,228
	Booster	..	810	810
	Tetanus Toxoid	..	1,490	1,490
	T. A. B.	59,056	30,781	89,837
	Cholera	59,056	30,781	89,837
	Small Pox	29,999	7,559	37,558
Total		1,80,707	89,594	2,70,301
No of patients treated				
	(a) in (6) Slum Centres.	..	12,646	..
	(b) in health drives	..	70,160	..
			<u>82,806</u>	
No. of patient days of treatment				
	Total	..	50,584	..
	Total No. of patient days of treatment.	..	2,80,640	..

TABLE 13

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

	Kharshidji Bhramaji Hospital, Bandra.	Municipal General Hospital Santa Cruz	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 & Smt. M. A. Vora Municipal Gen. General Hospital, Rajawadi, Ghatkopar.	Municipal General Hospital, Haji Bapu Road, Malad (East)	Shri Harilal Bhagwati Municipal General Hospital, Borivli.	Smt. M. T. Agarwal General Hospital, Mulund, West	Municipal General Hospital, Mulund East.										
	1	2	3	4	5	6	7	8	9	10										
<i>Accommodation of Beds Ward-wise—</i>																				
Children Ward	24	16	90	32	20	76	25	35	38	20										
General Male Ward	20	32	100	40	19	142	20	65	30	30										
General Female Ward	16	26	100	40	19	128	20	35	30	20										
Maternity Ward	85	30	60	60	...	100	25	50	...	20										
Septic & Gynac Ward	18	...	30	6	12	58	...	30	...	10										
Others	2	...	100	...	...	12	20	85	12	...										
Total No. of Beds	165	104	500	178	70	516	110	300	128	100										
	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.	Annual Atten- dance.	Daily Avera- ge.
In-patients	57,810	159	28,236	74	2,38,740	650	54,468	176	23,670	66	1,68,152	460	2,485	10	71,776	197	41,647	105	206	4
Surgical Operations	11,718	32	2,798	9	40,416	138	6,577	126	2,974	10	8,825	29	225	1	1,073	22	4,958	13	67	2
	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance	New Cases	Total atten- dance
O. P. D.	22,348	65,678	9,298	26,697	32,790	1,02,440	2,05,572	1,30,656	1,52,285	62,155	2,26,95	1,33,020	28,360	1,05,243	11,806	3,98,898	1,24,117	5,14,927	6,988	1,92,93
In-patients remained on 31-12-76	184	Nil	553	210	54	393	...	148	125	...	...	...	...	...	...	...	...	...	...	...
Admitted in 1977	12,791	4,494	35,867	10,761	3,611	28,357	2,485	14,008	5,956	1,63	...	...	...	...	...	...	...	...	...	...
Total No. of patients treated in 1977	57,810	4,494	23,874	54,468	23,670	1,68,152	2,485	71,776	41,647	206	...	...	...	...	...	...	...	...	...	...
Discharged Cured	11,819	3,375	32,224	12,130	3,081	13,279	2,140	12,875	4,903	99	...	...	...	...	...	...	...	...	...	...
Discharged Otherwise	490	1,119	452	8,170	113	3,680	130	490	720	38	...	...	...	...	...	...	...	...	...	...
Died	333	103	2,638	332	184	1,338	58	643	324	1	...	...	...	...	...	...	...	...	...	...
In-patients remaining on 31-12-1977	149	73	550	150	59	393	80	230	168	Nil	...	...	...	...	...	...	...	...	...	...
Daily Average	159	74	650	176	66	461	...	1,093	116	406	...	...	...	...	...	...	...	...	...	...
	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.	43,17,244	33.28	20,20,700	33.52	94,60,000	33.52	22,000	24	10,05,300	43.85	1,12,15,090	42.59	...	...	75,61,860	44.08	43,78,079	38.3	...	...

TABLE 14

Examination of food and water samples.

I.—Chemical examination :—

(1) Food

(i) Prevention of Food Adulteration Act

... 4,207

(ii) Other than the P. F. A. Act.

... 4,275

(2) Water samples.

... 7,080

Chemicals

(3) General Stores—

... 146

(4) Hospitals.

... 69

(5) Miscellaneous

... 683

16,460

II.—Bacteriological Examination.

(1) Water

(i) From city, suburbs and Extended Suburbs.

... 19,871

(ii) From B. P. T. Area.

... 587

(iii) Private

... 644

(2) Disinfectants.

... 16

(3) Foods.

... 186

(4) Ice

... 1

(5) Miscellaneous

... 187

21,492

III.—Clinical examination

(1) Urine, Blood, stools, semen

... nil.

TABLE 15

Ward-wise total Confinements in institutions in Greater Bombay during Maternity Week during 1977. (January 1977 to December 1977)

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
No. of Institutions...	17	8	8	8	18	30	11	35	12	10	25	27	24	8	22	18	36	29	28	424
No. of Beds ...	521	178	127	757	386	308	507	328	338	117	340	284	402	123	225	399	433	323	249	6,350
Live Births ...	2,617	3,983	1,952	11,631	12,033	10,900	16,205	7,219	7,011	6,559	10,422	4,534	13,063	7,076	9,432	14,312	12,049	7,754	10,606	1,75,378
Still Births ...	185	90	51	333	377	446	399	125	165	103	121	180	427	188	190	348	276	195	323	4,443
Total Confinements...	8,802	4,073	2,004	11,980 (4T)	12,409	11,333 (13T)	16,594 (10T)	7,332 (12T)	7,176 (7)	6,662	10,543	4,634	13,489 (1T)	7,263 (1T)	9,622	14,660	12,325	8,939 (16T)	10,928 (1T)	1,79,768 (53T)
Deaths among Mothers	14	1	1	5	46	12	32	2	6	1	1	...	27	6	...	2	6	1	...	163
Neo-Natal Vaccinations against Small-Pox ...	3,849	443	150	2,053	14,463	1,276	6,979	3,298	4,879	3,728	4,442	108	10,323	5,111	387	4,197	3,500	1,299	1,879	69,362
B.C.C. Vaccination ...	5,929	731	1,126	5,607	14,537	7,874	12,626	3,673	4,061	1,588	4,725	147	13,581	4,420	6,634	10,262	8,386	4,586	8,382	1,18,873

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

HOSPITAL :

HIGH-LIGHTS :

I—Expenditure—

	Rs.
(A) 1. On In-patients	3,63,34,923
2. On Out-patients	87,77,762
(B) Average cost per—	
(i) In-patient per day	50.43
(ii) In-patient admission	615.00
(iii) Out-patient attendance	9.46
(iv) Out-patient admission	21.87

II—Results—

(A) 1. Scheduled Bed Strength	1,450
2. Daily Average in Patient in Wards	1,904
3. Admissions including those brought over from the previous year	60,905
4. Patients discharged—	
(i) As cured	46,238
(ii) Otherwise	8,644
(iii) Expired	4,251
(iv) Remained in the Hospital on the 1 st day of the year	1,773
5. Average stay of in-patients (in days)	11.05
(B) 1. New Out-patients attendance	4,01,273
2. Daily average of Out-patients (New)	1,316
3. Out Patients (New and Old)	9,27,803
4. Daily average of out-patients attendance (New & Old)	3,042
5. Casualty attendance (Medico-legal)	23,590
(C) 1. Operations-In-patients 35,985 Out-patients	55,741
(D) Confinements—	6,623
1. Booked cases	3,820
2. Emergency Cases	403
3. Normal	4,151
4. Abnormal	783
5. Neonatal & Maternal Deaths	
(1) Maternal Deaths	19
(2) Neonatal Deaths	140
(3) Still Birth	46
(4) Premature live Born Infants	389

III—Specialised Treatments—

1. Artificial Kidney Department—	
(i) Peritoneal Dialysis	299
(ii) Haemodialysis	1,063
2. I. C. C. U. Ward	
(i) Number of admissions	628
(ii) Resuscitation from Cardiac Arrest	122
3. Open Heart Surgery	140
Other Heart Operations	747
4. Neurosurgery—	
(i) Operations	715
(ii) Radiological investigations	2,019
5. Sterilisations—	
Male	216
Female	2,208

IV.—Radiology—

1. X-Ray taken at—	
(i) Hospital	79,792
(ii) C. V. T. C.	9,834
(iii) Orthopaedic Centre	52,209
2. Diagnostic Radiology	3,038
3. Neuro Radiology	1,935

V.—Blood Bank—

1. Number of Blood samples collected from—	
(i) Voluntary Donors	5,399
(ii) Relative Donors	2,793
(iii) Professional Donors	30
(iv) Other Hospitals	1,977
2. Number of bottles supplied	10,957
3. Amount spent from Poor Box Charity Fund on payment to the professional Donors and other incidental charges.	408

VI.—School Clinic—

1. School Children treated—			
(i) New	..	..	1,828
(ii) Repeated	..	..	22,105
(iii) Referred	..	..	714
2. Total Expenditure on Clinic	..	..	1,20,000

VII.—Physio Therapy—

(i) Attendance at the Centre—			
Out-patients	..	..	8,148
In-Patients	..	..	12,820
(ii) Treatments given to			
Out-patients	..	..	99,756
In-Patients	..	..	1,82,872
(iii) Students admitted during the year	..	..	40
(iv) Students in the School	..	..	75
(v) Students graduated during the year	..	..	34

VIII.—Occupational Therapy—

(A) Patients treated at the Centre	..	..	12,132
treatment given	..	..	1,78,537
(B) (i) Students admitted in the School during the year	..	..	40
(ii) Number of students in the School	..	..	75
(iii) Students graduated during the year	..	..	34

COLLEGE :

(i) Total expenditure on Hostel	..	..	Rs. 36,812.00
(ii) Revenue from Tuition Fees, Hostel Rent and Miscellaneous Receipts.	..	..	Rs. 1,15,710.00
(iii) Revenue from Post-Graduate Fees	..	..	Rs. 3,11,927.00

II.—Students—

(A) (i) Students admitted	..	..	..	258
(ii) Students in different classes	..	..	..	1,686
		Male	Female	Total
1. 1st M. B. B. S. 1st Year	..	180	78	258
2. 1st M. B. B. S. (Casuals)	..	12	8	20
3. IInd M. B. B. S. (I,II & IIIrd term)	..	239	77	316
4. IIIrd M. B. B. S. (Do.)	..	154	54	208
5. 3rd M. B. B. S.	..	20	10	30
6. Condensed M. B. B. S.	..	7	2	9
7. B. Sc. (P. T.)	..	8	75	83
8. B. Sc. (O. T.)	..	5	64	69
9. Undergraduate students.	..	625	368	993
10. Post-graduate students including research students.	..	478	215	693
Grand Total	..	1,728	951	2,679

(B) Occupation of parents or Guardians—

(i) Service	..	..	140
(ii) Medical Profession	..	..	31
(iii) Legal Profession	..	..	8
(iv) Misc. occupations	..	..	68
(v) Engineering	..	..	11

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.

Educational Programme—258 candidates including 176 students from Scheduled castes scheduled tribes and other backward classes were admitted to the M. B. B. S. Course during the year under report. 4 Foreign candidates were nominated by the Government of India to the reserved seats.

Post-graduate courses were conducted for M. D., M. S., D.O.M.S., D.A., D.V.D., D.P.M., D.C.H., D.G.O., F.C.P.S., D.O.R.L., M.Sc. (Biochem), M.Sc. (Animal & Physiology), M.Sc. (Microbiology), D.M.L.T. 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.

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 Naigaum has 56 rooms. All the rooms were fully occupied during the year. All the modern amenities have been provided at these hostels.

K. E. M. Hospital and Seth G. S. Medical College Research Society.—It had 56 life members and 30 ordinary members on the roll. Rs. 1,40,553 and Rs. 1,37,660. were sanctioned for various research schemes during 1976-77 and 1977-78 (October-September) A symposium on Drug Research in India was held on 16-12-1977 under the joint auspices of A. M. A. P. I. (India) and the Research Society. The first National Conference on Pacemakers and Pacing was held at the Taj Intercontinental on 9th, 10th & 11th October 1977. It was sponsored by the Silver Jubilee celebrations of the Research Society. Dr. D. K. Peters gave Dr. M. D. Motashaw Memorial oration on 2nd February 1977. Dr. Beryal Corner delivered Dr. M. P. Bhagat oration on 1st November 1977.

Library.—The facility of library has been provided for the undergraduate and post-graduate and research students as also for the College and Hospital staff. The total number of journal subscribed by this college was 197. Different institutions and have presented 11 books to the Library.

Gymkhana Activities—The highlight of the year was as usual, the college week celebrations. Making a significant departure from the usual practice, the programmes ended daily by midnight much to the delight of the staff, who had to report for work the next day. Also, classical music was introduced for perhaps the first time when such maestros as Zakir Husain, Pandit Shivkumar Sharma and Pandit Josraj enthralled a packed M. L. T. audience.

1. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

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

(i) Urban Internship—

(a) *Comprehensive Health Care-cum-Family Planning Programme.*—All over Bombay slum areas, Municipal schools and communities are covered by Medical Officer, Preventive Social Medicine. Teachers and Interns for Medical Care, Immunization, Health Education and Family Planning. Various Health drives, film shows, other Mass communication programme are arranged etc.

(b) *Malvani Slum.*—is adopted by K. E. M. Hospital and this department for comprehensive, health care, immunizations, 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.

(c) *Family planning programme.*—Interns are placed for training in Family Planning Hospital.

(ii) **Rural Health Internship.**—Interns are placed at Karjat, Mangoan, Poynad at Kolaba District, Pahur and Varangaon at Jalgaon District, Ranalaat Dhulia District and Vaniat Nasik District, Primary Health Centres for training in community health in rural environment.

(iii) **Family Health Clinic and Family Health Centre.**—Five clinic are run to give full medical check up to patients and laboratory investigations (blood, urine, stool, sputum, semen) are regularly being done by department.

2. DEPARTMENT OF PHARMACOLOGY.

Teaching and Training Programme :—Besides undergraduate teaching of medical students, this department continued to train Postgraduates in Pharmacology, Applied Biology, Biochemistry and Diploma in clinical Pharmacology. During the year the number of candidates registered for various degrees are as follows :—

M. D. (Pharmacology)	..	5
Ph. D. (Pharmacology)	..	4
D. Cl. Pharmacology	..	1
M. Sc. (Applied Biology)	..	5
M. Sc. (Biochemistry)	..	1
M. Sc. (Microbiology)	..	1

Training Course in Clinical Pharmacology : As in previous two years a six weeks training course in Clinical Pharmacology was conducted with the sponsorship of the I. C. M. R. The course of lectures, seminars laboratory and clinical projects, etc., was attended by ten trainees all of whom had M. D. degrees and were holding the rank of at least Assistant Professor in Medical Colleges or Research Institutions. The training course lasted from the middle of January to the end of February, 1977.

Drug Surveillance Project (Supported by W. H. O.) : The study of antibiotic prescribing patterns in 2 surgical wards was completed and the results have been analysed. The main finding is that prophylactic use of antibiotics tend to increase hospital stay of patients.

A project on drug surveillance was started in collaboration with the department of Psychiatry on drugs used in mental illness. The record of drugs received by patients, their responses to them and measures taken to counter unwanted effects, were collected and studied in 250 cases.

W. H. O./C. C. C. R. PROJECT : Professor-Direct to U. K. Sheth continued as Principal Investigator of this project. The department carried out the following studies: Metabolic studies of natural steroids as compared with synthetic steroids; metabolic studies on persons on oral contraceptive pills on a long term basis; low oestrogen pills; progestagen implants; coagulation studies in toxemia of pregnancy; ethacridine lactate for termination of pregnancy and its comparison with prostaglandins and hypertonic saline; pharmacological evaluation of ethacridine lactate. These have been done in collaboration with the department of Gynaecology and Obstetrics.

FINANCIAL SUPPORT RECEIVED :

	Rs.
1. From Municipal Corporation (College Budget allocated)	40,000.00
2. From council of Scientific and Industrial Research, New Delhi.	
(i) Pharmacology Research Unit	1,62,700.00
(ii) Clinical Pharmacology Unit	1,07,000.00
3. From WHO/CCCR, Geneva	58,566.43
(Plus 1000 dollars at Geneva)	
4. From Boots Ltd.	40,000.00
5. From Unichem Laboratories	1,00,000.00
6. From CIBA-Genigy	1,00,000.00
7. From WHO/for Drug Surveillance	16,000.00
	6,24,266.43

DEPARTMENT OF BIOCHEMISTRY AND NUTRITION

The department is mainly concerned with Undergraduate training, Post-graduate training for M. Sc. students by papers and research and for Ph. D. The University result of these students is as under :— 1st M. B. B. S.

	Appeared	Passed	Percentage		
November 1977	168	150	89.28%		
April 1977	10	9	90%		
M. Sc. Part II					
	Sent up	Appeared	1st class	2nd class	Pass
May 1977	9	6	1	2	2

DEPARTMENT OF ANAESTHESIOLOGY

Department of Anaesthesiology, being a service department, continued its activities in the field of Anesthesia, pain relief, Resuscitation, Respiratory care and rural health service. The work output is reflected in the operations done in the various operation theatres. (30-35 operation tables in 14 areas) pain relief is being provided in terminal malignancy cases and labour cases. However, paucity of staff, is the restraining factor. A proposal is put up to start pain clinic.

Respiratory case : Two rooms have been provided to give intensive respiratory care in suitable cases.

Equipment : 'Eye tone' an instrument for immediate estimation of blood sugar level has been acquired. This has found good use in Surgical cases.

5. ARTIST SECTION

1. Patient's Photographs	3,713
2. X-Rays photographs	706
3. Specimen's & Chromotograms plates photographs	783
4. Microphotographs	426
5. Book copyings, ECG, EEG, EMG, copying	3,898
6. Preparing graphs, charts, Diagrams drawings to take their photographs	508
7. Functions photographs & outdoor visits	
8. Operations photographs	152
9. Nurses photographs	262
10. Preparing of slides	6,003
11. Preparing of prints	4,018
12. Preparing of nurses & medical awards certificates.	192
13. Projection.	24
	20,685

6. DEPARTMENT OF PHYSIOLOGY

The teaching in the subject of Physiology, Anatomy and Biochemistry were integrated as usual so that all the three department can tackle the same topic simultaneously. In addition to the regular classes, separate Classes were held for D. O. M. S., Occupational and Physiotherapy and for the Nurses in addition to the regular classes for the undergraduates. Instructions and guidance was given to the postgraduate students in Physiology for their M. D. (Human Physiology) and M. Sc. (Animal Physiology) courses. Special classes were also held for the undergraduates as per time table of the University.

The department took lectures in applied Physiology for the 3rd, 4th and 5th year students during a course of integrated lectures.

During the year under report, 160 new students were admitted to the 1st M. B. B. S. Class in the August 1977. Additional 100 1st M. B. B. S. students were admitted in the month of November 1977. Separate classes for lectures and practicals were arranged for the newly admitted students of November 1977 batch. Department of Preventive and Social Medicine have arranged lectures for the preclinical course for 1st M. B. B. S. students from 1st February 1978. Special English classes were also arranged for the XIIth Standard students.

MEDICAL RECORD DEPARTMENT

The scheduled bed strength during the year was 1,450. As there was constant overcrowding in the Hospital, particularly in the children Ward and in the Female surgical and Medical Wards, even after strict scrutiny and restrictions on routine admissions.

Deaths classified : Out of 4251 deaths, 689 died within 24 hours of admission, 672 after 24 hours but within 72 hours of admission and 2890 after 3 days or more from the date of admission. The figures are exclusive of 123 still borns and neonatal deaths. Death rate was 7.19 as against 7.32 as against during the last year.

Confinement and Abortions : The total number of Confinement was 6623 and that of abortion was 986

Medico Legal Cases : Resident Medical Officers attended the various courts for giving evidence in 1165 Medico-Legal cases.

During the year 700 depositions were filed in the Coroner's Court, 20,415 Medical certificates were also issued to different institutions and persons, out of which 1878 were issued to the various Police Stations, fees of charge.

8. SOCIAL SERVICE DEPARTMENT

There are 13 (thirteen) Medico Social Workers and one (1) Lecturer working in the K. E. M. Hospital. Following are the notable activities of the Social Service Department in addition to the routine activities.

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

(2) The teaching programme for bed ridden children is continued this year also with the help of the donation received from Lions club of Chembur.

(3) Distribution of sweets to all the indoor patients of the hospital on the occasion of festivals.

(4) Film shows and Variety entertainment programme for the Indoor patients were arranged.

(5) Donations in the form of Medicines, appliances, foodgrains, etc., have been collected from various Lions Clubs and also from Voluntary organizations like Shree Narayan Seva Mandal, Vishwa Hindu Parishad, Sanjivani Trust, Hindu Relief Committee, Dhanvantri Charitable Trust, Hamdard Mandir, etc.

Teaching :

(1) Lectures to P. T. students are delivered.

(2) Medico Social workers assist in various Medical researches whenever studies on Social aspects are conducted.

(3) Supervision for field work training of the Student Social Workers from Tata Institute of Social Sciences and Nirmala Niketan is undertaken by the Medico Social Workers.

(4) Lectures on Psycho Social aspects of illness and health are given to the undergraduate medical students by the Medico Social Workers.

Report of the Annual Statistics

(1) Medical and Material Aids ..	3,251	(8) Follows Up ..	44
(2) Social Data ..	1,424	(9) Child Guidance Clinic ..	332
(3) Case work ..	364	(10) Group Psychotherapy ..	51
(4) Rehabilitation ..	130	(11) Family therapy ..	10
(5) Referred patient's relative to Organized Home treatment clinic for X-Ray & B. C. G. Vaccination ..	509	(12) Alcoholic Patient's Group ..	115
(6) Arranging for Discharge for the Ward cases ..	207	(13) Orientation of Mentally Retarded S Epileptic patients and relatives ..	130
(7) Referred to Other agencies ..	163	(14) Total nos. of Voluntary outdoor Donors ..	5,399
(15) Total Nos. of Voluntary Indoor Donors ..	706	(16) Total Nos. of Relative Donors ..	2,793

9. ORTHOPAEDICS AND TRAUMATOLOGY

Dr. Dhir, Assistant Prof. in the Deptt. has been promoted as Professor from 1st August 1977.

Dr. S. V. Shah who had been working as Demonstrator in Anatomy, has been appointed as Tutor in the Deptt. from 1st April 1978.

Deptt. of Orthopaedic Surgery has been able to separate the Emergency Operation Theatre from the Routine Operation Theatre. As a result of this, it has been possible to provide emergency services round the clock. This has helped to improve on the management of compound fractures and also reduced the rate of infection in operated cases.

In recent years more extensive and sophisticated surgeries such as correction of sciotic deformity of spine by instrumentation, reconstruction of bone following radical excision of bone tumours, total and partial hip replacements. Projects are in progress to study clinically the process of Homogenous bone grafts in delayed and non unions; and in reconstruction of bone defects.

Study of the behaviour of spinal tuberculosis and the role of the anterior clearance in its management has been done extensively and one article has been published in an Indian Journal of Surgery (Feb. March 1978) Primary internal fixation in compound fractures has improved the results and shortened the period of hospital stay of the patients.

Additional facility is available in Sarvodaya Hospital, Ghatkopar to keep the patients of the Deptt. while they are recuperating to reduce the crowd in the Wards.

Facility of the image intensifier is available in the Deptt. for the benefit of Traumatic patients for the closed manipulation and reduction or closed nailing.

To improve the quality of metal of implants used for the patients in the Deptt. at random pieces are being sent for analysis to confirm their quality. With this we have been able to check to a great extent the supply of substandard implants. Other measures are also being taken to get only the standard products.

Dr. M. L. Saraf, Asstt. Honorary Professor in the Deptt. has brought Honours to the Deptt. and our Institution by completing M. Ch. in Orthopaedics in First attempt from Liverpool, Great Britain and getting a Gold Medal. He is the 1st Indian to get this Honour.

10. NEUROLOGY DEPARTMENT

During the year 1622 new patients were treated at the Out-patient Department and 458 patients were admitted as In-patients. 1221 New cases were treated at the Epilepsy Clinic of the Department.

11. GYNAECOLOGY AND OBSTETRIC DEPARTMENT

O. P. D. Attendance (New)	..	Abortions
Admissions	..	Obstetric Operations

The following table gives the details of Gynacc attendance admissions and operations :—

Operations :—	
O. P. D. attendances	.. 15,411
Admission.	.. 2,846
Operations	.. 830

High Risk Pregnancy Clinic : The special High Risk Pregnancy Clinic is ran four times a week between 9.00 A.M. to 12.00 noon.

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

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

Rh-ve	..	141
BOH	..	241
Diabetic	..	13
Hypertensive	..	32

Careful history, through examination and investigation are carried out in the OPD and the patients with toxæmia, suspected in competent OS, diabetics, Rh immunisation, etc. are admitted as and when necessary.

The present projects and services are :

1. Study of diabetic patients and their follow-ups.
2. Comparison and treatment with various anti-diabetic drugs.

3. Plasma estradiol in normal and high risk pregnancy (in collaboration with the Institute for Research in Reproduction, I. C. M. R.)
4. Injection Rh gama globulin in Rh-ve cases for prevention of immunisation.
5. Follow-up of women with incompetent OS.
6. Hystersalphinogography in non-pregnant BOH woman.
7. Foetal maturity studies.
8. Diamineoxidase levels in blood-placental function.
9. Oxytocin challenge test for High Risk Pregnancy.
10. Prophalactic arlidin for BOH cases.
11. Nitro-Meterenidazole therapy in vaginal.
12. Rh-8 in healing of Abodominal wounds.

Dr. N. A. Purandare Research Centre :

Fibrinogen estimation	..	178
G. T. C.	..	694
Blood Sugar	..	2,712
Serum & Urine Creatinine.	..	856
Serum Protein	..	260
L. F. T.	}	
B. U. N.		
B. U. N.	..	2,129
Hormone Estimation		
17 Ketosteroids	..	107
Oestrogens in BOH, Deab., PPG., Tox etc. Cases.	..	320
Pregnandiols in Ammenorrhoea	}	
Sec. Ammenorrhoea		
Clomid trial		
Oestrogens in above cases.	..	289
Serology :		
Blood Group, Rh in antenatal, H.R.P. Ward cases	..	6,602
Rh cases confirmed Negative	..	260
Iso-immunised cases	..	7
Antibody studies	..	13,250
Cord Blood, Neonatal Jaundice cases for Hb. Group, H.E.C.T. F.b. Serum Bilirubin.	..	320
Amniotic Fluid studies	..	93
Acidosis Curve studies	..	93
Fetomaternal Hemorrhage studies WHO/CRC	..	178
Rho Gam Cases	..	36
Pregnancy Test	..	180
Baccal Smeal	..	40
V.D.R.L. Tests	..	6,602
Cord Blood study	..	40
Hemograms	..	52
HB Estimations	..	6,780
Microbiology :		
Vaginal and Cervical Culturals	..	2,042
Trichomonas	..	166
Monila	..	476
Haemolytic organisms	..	217
Semen Examination	..	641
Endocrine O.P.D.		
Total New Cases	..	515
Total Od patient visits	..	2,240
Medical Termination of Pregnancy Section :		
Total M.T.Ps.	..	1,481
First trimester	..	1,066
Second trimester	..	415
Menstrual regulation studies	..	463
Outpatient suction evacuation of 1st trimester M.T.P.	..	603
Comparative study of plastic v/s metal cannula for suction curettages-an outpatient procedure.	..	154
Midtrimester termination of Pregnancy :		
Extra-amniotic injection of Unacredil for midtrimester abortion	..	139
Extra-amniotic injection of hypertonic saline	..	24

Prostaglandins :

Intra-amniotic PGF 2a 50 mg v/s 15 methyl PGF 2a 2.5 mg.	200
Cancer cytology in M.T.P. cases	537

Oral Contraceptive Centre

	Oral pills	Out	Cut	Netagen	Implant
Total No. of new patients ..	379	622	248	37	26
No. of cases continuing at the end of the year ..	728	988	285	..	..
No. of cases closed during the year ..	306	149	50	128	128
Cytology taken ..	265	-1,256	12	10	57
Metabolic studies ..	Study over.	..	..	6	10
E.B.'s taken ..	200	..	..	10	13

Post Partum Programme

Month	Vasectomy	Tubectomy	I.U.C.D.	M.T.P.
January	22	228
February	21	203
March	36	213
April	12	197
May	30	201
June	19	193
July	19	189
August	9	166
September	6	134
October	19	179
November	15	143
December	7	162
Total	215	2,208	882

Social Obstetrics

Month	Ambe Vadi Dispensary		R.J. Dispensary		Victoria Maternity Hospital
	ANC	PNC	ANC	PNC	
January ..	82	35	95	12	510
February ..	87	45	108	14	366
March ..	121	49	105	19	295
April ..	80	35	73	13	354
May ..	65	15	72	11	393
June ..	13	44	79	9	447
July ..	141	45	80	10	375
August ..	83	60	114	15	475
September ..	136	55	120	25	582
October ..	127	46	92	21	472
November ..	156	62	133	15	391
December ..	150	68	128	20	445
Total ..	1,341	559	1,199	184	5,105

URBAN FAMILY PLANNING CENTRE AND POST PARTUM PROGRAMME

The Post Partum Programme started functioning on 9th November 1970. The Urban Centre is now integrated with the programme. The work done during the year:—

Methods	New Cases	Flow up & Revisiting Cases	Total attendance
Tubectomy (Female Sterilization)	2,027	1,915	3,943
Vasectomy (Male Sterilization)	143	368	511
Oral Pills	367	1,863	2,230
I.U.C.D.	1,025	1,910	2,935
Conduoms	1,901	..	1,901
Other (Implant)	12	153	165
	5,475	6,209	11,684

Conventional contraceptives distributed—3,887.

(i) Family Planning Unit (Oral Contraceptive Centre)

New Patients	..	..	..	..	347
Patients continuing at the end of the year	..	..	..	..	709
Patients closed during the year	..	..	..	..	273
Cytology taken	..	..	..	..	350

(ii) Cut

New patients	..	..	..	..	749
Patients continuing at the end of the year	..	..	..	..	1,104
Patients closed during the year	..	..	..	..	160
Cytology taken	..	..	..	..	456

(iii) Cay

New patients	..	..	..	..	178
Patients continuing at the end of the year	..	..	..	..	219
Patients closed during the year	..	..	..	..	46
Cytology taken	..	..	..	..	125

(iv) M.L. (Multiload)

New patients	..	..	..	..	101
Patients continuing at the end of the year	..	..	..	..	101
Patients closed during the year	..	..	..	..	..
Cytology taken	..	..	..	..	16

(v) Netagen

New patients	..	..	..	..	20
Patients continuing at the end of the year	..	..	..	..	107
Patients closed during the year	..	..	..	..	4
Cytology taken	..	..	..	..	9
E.B.'s taken	..	..	..	..	..

(vi) Implant

New patients	..	..	..	..	19
Patients continuing at the end of the year	..	..	..	..	28
Patients closed during the year	..	..	..	..	93
Cytology taken	..	..	..	..	20

Post Partum Programme

No. of Tubectomy	..	..	..	..	2,027
No. of Vasectomy	..	..	..	..	143
No. of I.U.C.D.	..	..	..	..	1,025
No. of M.T.P.	..	..	..	..	2,768

C.V.T.C. LABORATORY : Investigations carried out at the C.V.T.C. Laboratory during the year:—

(A) Clinical Pathology Section :

(a) Haemogram Differential Count	..	..	..	..	9,135
Total Count (WBC)	..	..	..	..	9,135
Haemoglobin (Hb)	..	..	..	..	9,135
Packed Cell Volume	..	..	..	..	9,135
Erythrocyte Sedimentation rate (ESR)	..	..	..	..	9,135
(b) Routine analysis of Urine, Stool and Sputum including microscopical examination—					
Urine	..	..	..	..	22,624
Stool	..	..	..	..	3,545
Sputum	..	..	..	..	2,630
Total					77,474

Biochemical Section :

(1) Liver Function Tests:—

Total protein	..	..	..	..	2,613
Albumin	..	..	..	..	2,613
Globulin	..	..	..	..	2,613
Thymol Turbidity	..	..	..	..	2,613
Icterus index	..	..	..	..	2,613
Vanderberg reaction	..	..	..	..	2,613
Billirubin Total	..	..	..	..	2,613
Billirubin Direct	..	..	..	..	2,613
Alkaline Phosphatase	..	..	..	..	309
Protrombin Time	..	..	..	..	1,772
Clotting Time	..	..	..	..	1,128
Bleeding Time	..	..	..	..	1,114
Serum Glutamic Oxalacetic Transaminase	..	..	..	..	4,403
Serum Glutamic Pyruvate Transaminase	..	..	..	..	4,411

2. Carbohydrate metabolism

Blood Sugar	..	..	..	..	6,021
Urine sugar (Quantitative)	..	..	..	..	802
Urine sugar (Qualitative)	..	..	..	..	802

(3) Kidney Function Tests

Blood Urea Nitrogen	..	..	..	..	4,933
Creatinine	..	..	..	..	404
Uric acid	..	..	..	..	195

(4) Lipid profile

Total cholesterol	..	..	..	..	2,239
Triglycerides	..	..	..	..	2,100

(5) Serum electrolytes

Sodium (Na ⁺)	8,686
Potassium (K ⁺)	8,686
Chlorides (AgCl ⁻)	8,686
Calcium (Ca)	..	..	..	..	109
Phosphorus (p)	..	..	..	..	79
Total					77,683

(c) Histopathology Section:

(1) Dissection and description of autopsy specimen and specimens removed at surgery.	..	..	..	..	761
(2) Properinfusion and preservation of specimens for further procedure	..	..	..	..	761
(3) Processing of tissues taken from specimen for paraffin sectioning.	..	..	..	..	4,128
(4) Preparation and staining of paraffin sections	..	..	..	..	8,456
(5) Preparation and staining of cytological smears for detection of cancer sells	..	..	..	..	1,428
(6) Whole lung specimens fixed	..	..	..	..	63
(7) Whole lung sections cut and mounted	..	..	..	..	108

(IV) Research Section:

Immunogloical tests:—

(1) Quantitative estimation of immunoglobins IgG, IgM, IgA, IgD and IgE	..	..	..	..	150
(2) Immuno-electrophoresis	..	..	..	..	700
(3) Rheumatoid Arthritis test	..	..	..	..	470
(4) Antistreptolysin O titre (ASLO)	..	..	..	..	60
(5) Lupus erythematosus cells (LE cells)	..	..	..	..	60
(6) Lactic acid dehydrogenase isoenzymes by agarose gel electrophoresis (LDH)	..	..	..	..	200
(7) Total lipids	..	..	..	..	95
(8) Phospholipid and neutral lipid fractionation by thin layer chromatography	..	..	..	..	95
(9) Lipoprotein fractionations by ultracentrifugation.	..	..	..	..	25
(10) Catecholamines	..	..	..	..	50
(11) Percentage of T and B cells	..	..	..	..	25
(12) Synovial fluid analysis	..	..	..	..	50
(13) Congo Red Test	..	..	..	..	50

Department of Medicine :

The Department of Medicine has made many major strides. One of the big developments is the establishment of a modern cardiac catheter Laboratory at the Cardio Vascular Thorasis centre also, Echocardiography has been developed in a very big way. The Postgraduate Programme has proved to be a great success with our young doctors bringing gold medals at University Examinations once again. Patients :—

Indoor patients	O.P.D. Patients		Total	ECGs.
	New	Follow-up		
1851	3655	17806	21461	34620

(iii) Intensive Cardiac Care Unit :

Cases admitted in I.C.C.U.	..	..	..	..	628
Emergency Bedside Pacing	..	..	..	..	100
Oesophageal E.C.Gs.	..	..	..	..	18
Cardioversions	..	..	..	..	63
Intracardiac E.C.Gs.	..	..	..	..	58
Rehabilitation	..	..	..	..	175
Cardiac Resuscitation	..	..	..	..	122
Arrhythmias	..	..	..	..	181
Chest wall stimulation	..	..	..	..	..
Chest Wall Stimulation	..	..	..	..	120
Permanent Implantation	..	..	..	..	14
Stress testing (Ergometer)	..	..	..	..	50
E.C.Gs. recorded	..	..	..	..	5,000

(iv) Yak il Institute of Cardiology :

Cases admitted	..	..	..	..	638
Echocardiogram	..	..	..	..	1,097
Vectorcardiogram	..	..	..	..	735
Tread Mill Exercise (Aug. 1977 to Dec. 1977)	..	..	..	..	52
E.C.Gs. recorded	..	..	..	..	2,500
Rehabilitation	..	..	..	..	125

(v) Cardiac Catheterization Data

Cardiac Catheterization	..	..	..	..	204
Cardiac Angiography	..	..	..	..	185

(vi) Tetanus Unit :

No. of patients admitted	..	..	..	..	675
Overall mortality	..	..	..	..	28CE
Neonatal mortality	..	..	..	..	68CE
Mortality of children & adults	..	..	..	..	19CE

(vii) Arthritis and Immunology Clinic :

P.O.D. conduct on every Saturday between 9-00 a.m. to 11-00 a.m. in C.V. T.C.

New patients—417.

Old patients—2,482.

(viii) Tumour Clinic :

The out door attendance has been doubled in the last year, nearly 500 patients coming for follow up and treatment. This clinic continues to offer the advice for management of cancer cases. The operated cases are followed up regularly in the department and in case of new findings, the patients are referred to the original unit for further treatment.

The advanced cases are given relief with the active help from the ' Cancer Patients' Aid Society '. A difficulty is experienced in giving medications from the hospital because of existing rules.

Urology Department

Urology Department		Andrology Department	
In-patients	.. .. 350	Included in Urological admissions.	
Out-patients	.. .. -1,866	300	New Cases (Total OPD attendance 2,500).
Operations	.. .. 518	132	

During the last year 43 Trans-urethral prostatectomies were carried out. A new fiberoptic urethral catheter has been devised by the department with the help of STORZ of Germany, the well known manufacturers of endoscopic instruments. Research work on new methods of vasectomy and vas anastomosis has been continued with encouraging results.

NEURO-SURGERY DEPARTMENT

Statistics regarding outpatients and inpatients

Out-Patients

Sex	New Attendance	Old Cases
Male	980	805
Female	436	417
M/Child	269	278
F/Child	179	243
Total	1,864	1,743

In-Patients

Sex	Admissions during the year
Male	504
Female	183
M/Child	164
F/Child	74
Total	925

Operation during the year — Major-487
Minor-228

X-Ray investigations during the year—2,019.

EAR- NOSE AND THROAT DEPARTMENT :

(1) O.P.D. attendance (Old & New)	69,000
(2) Operations	4,000
(3) Indoor Admissions	2,627
(4) Special Investigations—	
(a) Electronystagmography	350
(b) Impedence Audiometry	350
(c) Pure Tone Audiometry (New)	3,105
(d) Speech Therapy	397

DEPARTMENT OF DERMATOLOGY AND VENEROLOGY :

This year 44,511 new cases inclusive of referred cases from other Sections and 35,237 old cases were treated in the Out-patient Department and 403 cases admitted for the treatment. Department has a well equipped Laboratory and investigations were carried for diagnosis of cases as well as for research purposes, as detailed below :—

Urethrol Smear, T.S./P.S./V.S./C.S.	444
Urine Examination	28
Blood Examination	22
Biopsy	774
Allergy Patch Tests	97
Total Scraping	2,476
Culture done	118
Deep Mycosis	12
Mycetoma	2

Classification of Venereal Diseases :

	Old Cases	New Cases
Syphilis Early	618	869
Syphilis Late	..	..
Chancroid	645	762
Conorrhoea	317	320
N.G.U.	26	45
C. Syphilis	12	12
Donovonosis	78	92
Lympha Iranuloma	81	116
Phagedena	13	25
Un-Diagnosed	317	513
	2,107	2,754

Leprosy Clinic :

A Clinic attached to this Department is conducted under Greater Bombay Leprosy Control Scheme and the patients suspected to be suffering from Leprosy are examined at this Clinic. This year 1,045 new patients and 15 patients from Actorth Leprosy Home, patients from Greater Bombay and patients from out of Bombay besides repeated patients were treated.

Analysis of Patients

Old Patients	Tuberculoid	Intermediate	Lepra major
Male	1,286	192	189
Female	614	62	46
Children	158	8	7
New Patients—			
Male	398	95	58
Female	233	23	13
Children	128	9	1

Molecular Biology Cell :

The work in this new cell started in the middle of 1974. The department is training students for M.Sc. and Ph. D. in microbiology. There is a research project financed by Research Society of Bombay Hospital. Lectures and practicals are conducted for M.D. Microbiology and M.D. Pathology as well as M.B.B.S. students. Seminars are held regularly.

Mr. Naik S.P. has been appointed as a Lecturer and Miss Tina Sharda as Demonstrator in Microbiology.

Renal Unit and Artificial Kidney Division :

The most important part of the above nephrology unit, which looks after the preventive aspects of renal disease and renal failure is the renal clinic which is run by appointments. The frequency of this has now been increased 2 per week on Mondays and Thursdays. The clinic saw 1,302 patients during the year 1977-78. Bacteriology of urine, diet advice and certain immunological tests are done on the spot for all patients attending this clinic. This has become feasible with the availability of an additional room attached to the department which is being shared by the Neurosurgery Clinic and the Renal Clinic. A total of 276 patients had their kidney biopsies done in the clinic.

Many patients were referred as emergency cases for consideration for dialysis by various units of this hospital and from outside to include patients from the city of Bombay, various cities from Maharashtra and other neighbouring states. A total of 1,362 dialysis were performed on 290 patients during the year. This included both haemodialysis and peritoneal dialysis. The haemodialysis service has considerably improved with addition of well known delivery systems like Drake-Willock and Cordis Dow Haemodialysis Delivery System. Besides the already existing Kid Dialysers, disposable Gambrio and Cordis Dialysers have been used on patients with intoxication and others with jaundice which otherwise could not receive haemodialysis for fear of hepatitis transmission.

The training programme for nurses and technicians were conducted twice a year as usual to include theory as well as practical demonstration. Each course was spread over a period of 3 months. This facility was also made use of by several medical personnel.

Experimental work has been undertaken in collaboration with the Indian Institute of Technology Powai. A major breakthrough has been achieved by the use of Electrodialysis of lymph an active process as against the passive haemodialysis which is being practised so far. This has given very encouraging results. 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 very exciting results.

Very recently a sum of Rs. 2 lakhs has been received from Adithya Textile Industries and with this a full fledged proposed 'Dr. M.D. Motashaw Memorial Renal Transplant and Research Unit' is likely to be established in the coming year.

Radio-isotope Laboratory :

The technique of Liver Scanning I 131 Rose-Bengal was set up during the year. The following tests were done :—

(1) Radio Iodine uptake tests	..	..	..	..	758
(2) Thyroid scans	..	..	..	..	445
(3) T3 charcoal tests	..	..	..	..	742
(4) Urinary steroid assay	..	..	..	..	49
(5) I13 Therapy doses	..	..	..	..	53
(6) Liver scans	..	..	..	..	44
(7) Human placental Lactogen Radio Immuno assay	88
(8) Renograms	53

Diabetics Clinic :

New Patients	..	945	Old Patients	..	15,626
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Test carried out

Blood Sugar	19,987
Urine Sugar	5,538
Routine urine	1,149
Hb.	1,222
W.B.C.	..	..	..	..	1,200
E.S.R.	..	..	..	..	1,193
Serum Cholesterol	..	..	..	..	1,096
B.U.N.	..	..	..	..	1,109
Serum Creatinine	..	..	..	..	66
Serum Proteins	..	..	..	..	1,058
Creatinine Clearance	..	..	..	..	26
Water load tests	8

Endocrine Clinic :

New Patients	..	1,437	Old Patients	..	2,533
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HEMATOLOGY DEPARTMENT :

New Out Patients	..	24	Indoor Patients	..	156
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Current Research Projects of the Department are :—

- (1) Causes of iron deficiency anemia
- (2) B12 and folate status in hemolytic anemia.
- (3) Hemolysis in viral hepatitis.

DEPARTMENT OF PSYCHIATRY :

Behaviour Therapy offered to about 100 patients.

Insulin subcoma was given to 71 patients over 1,958 sessions.

Maintenance Therapy of Schizophrenia clinic 75 patients were followed up over 760 sessions. A clinic for the schizophrenia patients on maintenance therapy with long acting neuroleptic is conducted once a week.

Child and Adolescent Guidance Clinic.—Service was offered to 83 patients. It is conducted four days a week during afternoon session.

Service at a Glance :

(1) New O.P.D. Patients	7,464
(2) Follow up O.P.D. Visits	75,800
(3) Indoor Admissions	952
(4) No. of E.E.G.	1,014
(5) Polygraph tracings	334
(6) ECT No. patients	1,133
Total No. ECT	8,415
(7) Insulin Therapy— No. of patients	72
No. of Sessions	1,958
(8) Maintenance Therapy of Schizophrenia Clinic— No. of Patients	75
No. of Sessions	760
(9) Behaviour Therapy Clinic	100
(10) Child and Adolescent Guidance clinic	83

Work load of Psychiatric Social Worker :

	Dr. Bagadia's Unit	Dr. Doongaji's Unit
(1) Collection of social data— Outdoor	230	165
Indoor	312	185
(2) Social case work	61	42
(3) Group Psychotherapy	35	16
(4) Councetting	140	86

Work load of Clinical Psychologist :

	Dr. Bagadia's Unit	Dr. Doongaji's Unit
(1) Rorschach	529	780
(2) M.M.P.I.	208	282
(3) I.Q.	455	510
(4) T.A.T. and C.A.T.	78	42
(5) B.G. and W.M.S.	181	250
(6) Miscellenious (EPI, TMAS, BPRS, HPRD, HARS, HOQ, RFP)	401	140

Workload of Occupational Therapist :

	Dr. Bagadia's Unit	Dr. Doongaji's Unit
(1) Indoor— No. of Patients	540	514
No. of Sessions	3,557	5,685
(2) Evaluation of work fitness	69	40
(3) Evaluation for Dyslexia	8	
(4) Aversion Therapy of Shronic Alcoholism	81	

Paediatric (Medical)

New Patients	18,306
In-Patients	4,341
Babies in postnatal wards	6,517
Babies admitted in sick Newborn Nursery (Ward-I)	244
No. of patients registered in Juvenile Dabetic Clinic	157
School Clinic Attendance	5,190

Dr. Beryl Corner, Consultant Paediatrician, Hospital for Sick Children and Southmead Hospital Bristol, U.K. inaugurated the Special Care Neonatal Unit. She also delivered the first Dr. Manek Bhagat Oration, when she gave an illuminating talk on 'Whither Neonatology'.

Urban Health Programme :

Under this programme, comprising Under Six Clinics conducted at K.E.M. Hospital, 'F/South Ward child Welfare Centre, Prabhadevi Child Welfare Centre and Naigaum Child Welfare Centre, comprehensive health care was provided to infants and preschool children under 6 years of age. Besides assessing growth and development and treating various ailments, these clinics also provide nutritional supplements, and carry out immunization, health education on hygiene, sanitation, nutrition and mothercraft, and provide facilities for family welfare.

Rural Health Programme :

With the aim of reaching the community in its natural environment, regular visits are made by senior staff members to clinics conducted at Malvani and Karjat. Comprehensive health care including health supervision, immunization, diagnosis and treatment, nutrition advice and health education is provided.

School Health Clinics :

Under this scheme, children from municipal schools in the 'F' and 'G' Wards are transported to and from K.E.M. Hospital for regular check up, diagnosis and treatment as required.

DEPARTMENT OF RADIOLOGY :

The work done at the Department of Radiology during the year 1977.

(i) General Radiology Department :—

Plain X Rays	77,429	Myelogram	75
Barium Studies	1,768	P.E.C.	42
H.S.G.	50	Sialogram	3
Cholecystogram	22	Cholangiogram	16
Tomograms	46		
Chstouroturogram	222		
Caratoid Angic	119		

Diagnostic Radiology Department :

Plain X-Rays	1,923	Cardic Cathet erzation	204
I.V.P.	69	Cardiac Angiogram	185
Cholecystogram	12	Aortogram	203
Tomograms	21	Venogram	82
Cholangiogram	19	Bronchograms	80
Spleniportogram	80	Lymphograms	22
Arteriograms	133		

C.V.T.C. X-Ray Department :

Plain X-Rays	8,760	I.V.P.	1,052
H.S.G.	1	P.E.G.	1
Cystourothrogram	20		

Orthopaedic Centre :

Plain X-Rays	32,115
Myelogram	94

Neuro Radiology Department :

Plain X-Rays	1,405	Caratoid Angio	330
I. V. P.	2	Myelogram	107
Tomograms	11	P. E. G.	80

Neuro Surgery Radiology Department :

Skull	--	552	Vertebral Angios	..	10
Spines	--	184	Trigeminal Block	..	0
Tomograms	--	11	Chest	..	460
Myelograms	--	107	Abdomen	..	10
Air Myelograms	..	6	K. U. B.	..	5
Orbital Venogram	--	8	P. N. S.	..	14
P. E. G.	--	80	Mastoids	..	11
Durogram	..	2	I. V. P.	..	2
Air Ventric	..	112			
Myodil Ventric	..	95			
Conray Ventric	..	20			
Carotid Angiograms	--	330			

MEDICAL CHECK-UP CENTRE :

The Centre has examined, investigated and treated 572 patients during the year Diagnostic Centre, Parel :

(1) Family Health Clinic : Patients treated :	10,207
(2) Family Health Centre : " " :	7,784
(3) Family Planning patients : Patients treated :	6,788

Immunizations—

Polio : 5,628 Triple : 5,691

Patients investigation in Laboratory :

Blood : 28,605 Stool : 357 Sputum : 195 Semen : 362
Total : 29,519.

Physiotherapy Centre :

40 students were admitted in September, 1977 to the new course of 3 1/2 years duration. A total of 34 students graduated during the year. 75 students are at present undergoing the training.

No. of patients : 20,968 No. of treatments : 2,82,718

Occupational Therapy Training School and Centre :

The School admitted 40 students in 1977-78. 22 Int. Science B group, 18 XII standard students were admitted for the course. At present there are 36 F. Y. B. Sc. 26 Sr. B. Sc. and 13 October batch students undergoing training. At the Silver Jubilee Conference in November 1977 at Delhi, the school staff participated well. One of the staff members got award for the best paper in the Conference.

12,132 patients were registered during the year & 1,78,537 treatments were given to the patients. The weaving section did production worth Rs. 12,207.00 Rs. 10,571.50 were credited to the Poor Box Fund, after the sale of woven & other articles. Total printing work of Rs. 27,137/- was done during 1977 and the amount was credited to Poor Box Fund. Three paraplegics are mending the hospital clothes as a part of their total Rehabilitation programme. They have mended 44,500 clothes & have been paid Rs. 11,125/- Rs. 1,10,000/- worth equipment for Psychological testing has been ordered.

Prophylactic Immunization Centre :

28,885 patients were treated during the year at the Centre and 7,515 new cases were registered.

Dr. J. M. Mehta Pharmaceutical Laboratories :

2,55,434 transfusion bottle (14 type), 16,300 Vials (12 types) and various other items were manufactured.

The production cost of the items manufactured is Rs. 4,60,079.97 and estimated Market value is Rs. 14,49,585.80 resulting into approximate savings of Rs. 9,89,485.88.

Inj. Fluorescein 10% introduced last year is further modified to contain 15% of the Dy by adjusting pH etc. It is being used as substitute for imported injection, and now both the strengths are on our regular schedule.

Preparation and sterilization of Bleeding Sets for Blood Bank and administration Sets for Transfusion fluids for all the Ward is undertaken.

Drums, Trags etc. received from various Wards and Theatres and injectables manufactured by Pharmacy Department and empties are sterilised.

In process testing of injectables being manufactured and the tests for Pyrogens, sterility, on final products are carried out.

Teaching Work/ Practicals including the Theory and Class Examination of 2nd M.B.B.S. Students at G. S. Medical College were conducted. 14 D. Pharm Students Trainee were given guidance and Training in our Hospital, Dispensary in fulfilment of the requirement prescribed by Bombay University for completion their D. Pharm Course.

Summary of Work Load and Activity

I. (1) Bottles :—

(a) Transfusion bottles (8 types) 500 ml.	2,13,727
(b) A. C. D. Solution 80 ml.	11,180
(c) Water for injection 500 ml.	23,180
(d) Intraperitoneal Solution A & B 100 ml.	7,295
(e) Hank's Solution 500 ml.	27
(f) Glycine 1.5% 500 ml.	25

2,55,434

(2) Vials (12 types)	16,300
(3) Stock Solutions 4 types	642
(4) Stains & Solutions for clinical use (9 types)	503.10
(5) Micellenous items	
(a) Non sterile formaline Solution 0.5%, 4% and 5% 50 ml.	20
(b) Bone Wax (Surgical)	5.6
(c) Repacking from bulk	540
(d) Administrative Sets :	
(i) Saline transfusion (Plastic)	62,691
(ii) Bleeding Sets	16,045

II. Central Sterile Supply Service :

(a) Drums	20,294
(b) Trays	20,035
(c) Boxes (Bleeding Set 5 in each box)	3,209
(d) Paper packets for plastic Saline Sets	62,691
(e) Transfusion bottles	2,55,434
(f) Vials	16,300

III Control Laboratory :—

(a) Test for contents	958
(b) Conductivity test for distilled water	298
(c) Pyrogen test	543
(d) Sterility test	906

Statement showing various items manufactured at the Pharmacy Department

I. Stock Solutions : Fluids for artificial Kidney Dialysis (Indistilled Water).

(1) Calcium Chloride 28%	279	Litres.
(2) Magnesium Chloride 50%	84	"
(3) Potassium Chloride 25%	174	"
(4) Heamodialysis Concentrate	105	"

II. Stains & Solutions for Clinical Use :

(1) Giemsa Stain	20.0	Litres.
(2) Methylene Blue	7.5	"
(3) Carbal Fuchsin	5.00	"
(4) Stain Gram's iodine	1.0	"
(5) Benedict's Reagent	323.0	"
(6) Acid Sulphosalicylic 20%	80.0	"
(7) Acid Hydrochloric N/10	43.0	"
(8) W. B. C. Fluid (diluted)	24.0	"
(9) R. B. C. Fluid (diluted)	3.0	"
	503.10	Litres.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY :

Department of Pathology :

1,98,353 Laboratory investigations were carried out during the year 1977 in the Central Clinical Laboratory, (apart from OPD 4,00 the Lab. Wards and other Laboratories) on the material sent from the Hospital as against 1,97,657 and 1,54,840 in the year 1976 and 1975 respectively. These grouped under the following heads.

(1) Urine Stool & Sputum ..	94,939	(4) Haematology Section ..	27,774
(2) Biochemical Section ..	99,515	(5) O. P. D. 4 ..	1,42,523
(3) Nauro Pathology ..	3,899	(6) Orth. O. P. D. ..	7,509

Pathological

Routine Urine Examination	67,575
Routine Stool Examination	22,244
Sputum Examination	5,120

II. Examination of Blood

(A) M. P. Smears	..	1,167	
L. E.	..	227	
Platelet counts	..	180	
Reticulocyte counts	..	457	
Haemagglotiation	..	4,734	
Total leucocyte counts	..	4,800	
Smears for Microfilaria	..	40	
P. C. V.	..	4,596	
E. S. R.	..	4,589	
R. B. C. Count	..	56	
B. T. & C. T.	..	400	
Sickle cells	..	54	
C. S. F.	..	2,076	
Special stains	..	320	
(B) Total Fluid cytology	..	3,739	
C. S. F. Fluids	..	2,076	
Ascitis fluid	..	706	
Pleural fluid	..	412	
Sputum	..	379	
Washing Bronchial	..	58	
Pericardial fluids	..	8	
Rytes tube aspiration	..	75	
Tumour aspiration	..	25	
(2) Positive Malignant	..	224	
Dysplastic	..	96	
Inflammatory Benign and Miscellaneous	..	1,340	
Biochemistry Section			
Blood Sugar	..	23,460	
Blood Urea N ₂	..	18,684	
Acid Phosphotates	..	800	
Alkaline Phosphates	..	1,308	
Total proteins	..	4,704	
Albumin	..	3,744	
Electrophoretic pattern	..	966	
Globuline	..	3,744	
Bilirubin	..	4,140	
Serum calcium	..	1,932	
Creatinine	..	12,000	
Amylase	..	144	
S. G. P. T.	..	4,200	
S. G. O. T. ...	..	3,360	
Cholesterol	..	2,760	
Electrolytes (Na/ , K/ cl each)	..	1,680	
Uric acid	..	96	
Thymol turbidit	..	2,760	
C. S. F. (sugar chloride each)	..	4,140	
Urine :			
Benec Jone's proteins	..	150	Porphrine .. 110
Albumin 24 hrs. sample	..	220	Gastric Analysis .. 672
Urobilinogen	..	150	Glucose Tolerance Tests ... 264

Emergency Work Load - Biochemistry

(1) Blood Urea	..	900	(6) Serum Electrolytes	..	120
(2) Blood Sugar	..	998	(7) Serum S.G.O.T. & S.G.P.T.	..	25
(3) Serum Amylase	..	65	(8) C. S. F. Sugar	..	410
(4) Serum Bilirubin	..	325	(9) G.S.F. Chloride	..	410
(5) Serum Creatinine	..	95	(10) Fluids Proteins	..	45

One thousand, nine hundred and forty five (1945) autopsies were performed during the 1977 as against 2013 and 2157 during the year 1976 and 1975.

A detailed record of every autopsy together with the investigations carried out is filled up. The total number of autopsies included the autopsies performed on the bodies received from Nawrojee Wadia Hospital, Bombay. We are grateful to the authorities of that Hospital for giving us the opportunity. The records are carefully scrutinised and the findings indexed.

Following table shows the number of paraffin blocks prepared for histological examination from the autopsy material and surgical tissues from 1st January to 31st December 1977, together for the previous two year.

Year	Block of P. M. organs	Block of tissue from the surgical side.	Tissues Recd. from res. Engs.
1977	12,786	14,464	9,293
1976	14,249	13,124	9,113
1975	26,099	12,984	8,228

Neuro Chemistry :

(1) Cerebrospinal fluids	..	..	..	..	1,020
(2) Blood urea & creatinine	..	..	..	..	888
(3) Serum cholesterol	..	..	..	..	130
(4) Serum GOT & GPT	..	..	..	..	500
(5) Prothrombin time	..	..	..	..	200
(6) Blood Sugar GTT etc.	..	..	..	..	..
(7) Serum C.P.K.	..	..	..	..	290
(8) Urinary amino acid	..	..	..	..	50
(9) Serum Total proteins Serum Bilirubin	..	..	..	..	300
(10) Urinary mucopolysaccharide	..	..	..	..	20
(11) Haemograms	..	..	..	..	384

Muscle Biopsy—Histochemistry

(At pase NADH—Tr. & Phosphorylase)

Muscle—LDH	..	..	..	..	..
SDH	..	..	..	..	70
LAT	..	..	..	..	..
G-6-PD	..	..	..	..	..
Muscle CPK Isoenzymes	..	..	..	..	20

Histopathology :

Total No.	Blocks prepared	Slide prepared Hg	Unstained slides prepared
Surgical Biopsies			
385	570	570	1710
Ext. Specimen			
6	8	10	30
Brain specimens from autopsies			
347	2000	2000 Sp. stained	.....
Urgent Smears 16		Slides prepared 64	

Research project in the Department under Dr. N. Suri :

- (1) A study of platelet antibodies in thrombocytopenias and other collagen disorders.
- (2) A study of lysosomal enzymes in body cavity effusions.
- (3) A study of chromosomal pattern in acute leukaemias.
- (4) A study of cell mediated immunity in leukemias.
- (5) A study of B & T cells in leukaemias and lymphomas.
- (6) A study of chromosomal pattern in refractory anaemias myeloproliferative disorder.
- (7) A study of cytochemical stains in leukemias and lymphomas.

K.E.M. HOSPITAL AND SETH G.S. MEDICAL COLLEGE STAFF SOCIETY :

158 members were on the roll at the end of the year.

During the year under report 7 monthly meetings were held when the Scientific papers were presented by the members of the staff. A panel Discussion was arranged on Hospital Infections.

During the year 93 articles including 75 new articles were received. Out of these 50 were published.

NURSES :

In the year nurses were sent for different examinations as shown below and their performance in Examination was satisfactory.

Examination	Period	Appeared	Passed	Percentage of passing
General Nursing Part-I	February 1977	56	31	55.3 %
	August 1977	65	42	65.0 %
General Nursing Part-II	January 1977	60	46	76.6 %
	July 1977	53	43	81.00%

Nursing Welfare Fund :

Subscription from Nurses and donations received from generous people are credited to the Society. It is managed by a committee of which the Dean is an Ex-Officio President. The corpus of the funds amounting Rs. 16,000 is held in Government Securities. Interest on securities is utilised for providing amenities to the nurses such as subscription for periodicals variety entertainment, sports picnics send off functions for retired members and also for giving loans to the nurses in their difficulties

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

2,130 members were on the roll at the end of the Co-operative year ending 30th June 1977. The share Capital amounted to Rs. 4,63,930 on 30th June 1977 as against Rs. 4,64,610 on corresponding date of previous year. The amount of loans granted to the members Rs. 32,04,090 as against Rs. 28,74,055 in the previous year. The Society declared Dividend at 9 per cent on the share amount held by members. The accounts of the Society were audited by the Professional Internal Auditors Chartered Accountants as well as Government Auditors. The Society was awarded 'A Class Certificates

POOR BOX CHARITY FUND :

A sum of Rs. 1,53,369 was spent out of the Poor Box Charity Fund in the year as against Rs. 1,65,162 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. 1,03,387 were received from patients, philanthropic bodies and individuals. In addition to Cash donations, small donations in kind also received.

DEPARTMENT OF MICROBIOLOGY :**(1) Bacteriology :**

(1) Urine Cultures	6,884
(2) Urine AFG	315
(3) Sputum Cultures	1,805
(4) AFB Sputum	670
(5) Blood cultures	1,358
(6) Aspiration fluids (Pleural, Peritoneal, Pericardial, Prostatic etc.)	1,395
(7) Aspirated fluids for AFB	762
(8) Swabs (Throat, Nasal, Conjunctival, Vaginal)	2,775
(9) Pus	2,175
(10) Pus for AFB	690
(11) CSF	3,835
(12) CSF for AFB	945
(13) Stool cultures	305
(14) Casoni's Test	18
(16) P.M. Cultures	575
(17) Antibiotic sensitivity testing	9,701
(18) Miscellaneous Ampoules etc.	160
(19) Catheter & Polythelene tubes etc.	295
(20) Theatre swabs	835
(21) Anaerobic Cultures	200
Total	36,746

(2) Serology Department :

(1) VDRL	4,717
(2) Widal	2,495
(3) Wasserman	1,068
(4) Paul Bunnell	75
(5) Weil Felix	19
(6) Brucella	6
(7) Aslo	468
(8) R.A.	540
Total	9,388

(3) Mycology Department :

(1) Total Scraping	2,476
(2) Culture done	118
(3) Deep mycosis	12
(4) Mycetoma	2
Total	2,608

(4) Food handler's scheme :

2,560 persons were directed for examination by H.O.'s department from 1st January 1977 to 31st December 1977 out of which only 1,023 persons attended for examination 567 persons did not give their stool, blood etc. for pathological examination and hence their reports are still pending. In all 299 fit and 157 unfit, certificates were issued during the year under report.

Chest Medicine Department :

Our intensive respiratory work load has increased as compared to 34 patients treated last year, 81 have been treated this year. We have done skin allergy tests in 50 patients in comparison to 46 cases thus tested in 1976. The work load of Pulmonary Function Laboratory is given below :—

Ward	Blood Cases		Pul. Function	
	Cath.	Other tests	Patient's test	Research test
2956	1436	667	936	745

Air Pollution Health Survey Unit :

The census work was started in December 1976 and was finished by the end of January 1977. In 4 areas under taken in the survey. From this survey a population of 4,102 subjects has been taken for long term study. This initial assessment was started in February 1977 and completed in August 1977. The data was collected with clinical examination, blood and urine test, lung function and 70 mm. X-Ray. A field laboratory was set with social workers and health visitors persuading the selected subjects to under-go the tests. In the next 3 months the data was collected and put on the computer. A repeat assessment has been started from November 1977 and is scheduled to finish in March 1978. A total of 80 per cent. of coverage is being obtained. Simultaneously air pollutant monitoring is being done in all localities for approximately 7 days of the month. It is proposed to analyse initial interpretations in the middle of this year. The follow-up will be continued for next 3 years.

Several papers based on research activities of the department have been published this year. The most significant one is the presentation of ' Indian Norms for lung function' in 1,250 subjects.

C.K. DESHPANDE,
Dean
K. E. M. Hospital.

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	..	..	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
Total	599	552	247	52	1,450

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 31-12-76	Admitted during the year 1977	Total treated	Discharged		Died	In the Hospital at the mid-night of 31-12-77
					Cured	other-wise		
MEDICAL	Male	251	10,066	10,317	8,157	643	1,304*	213
	Female	127	5,280	5,407	4,125	502	667	113
	Male Child	6	333	339	199	21	107	12
	Female Child	4	176	180	97	24	47	12
SURGICAL	Male	182	8,745	8,927	7,457	797	482	191
	Female	60	2,575	2,635	1,808	465	298	64
OPHTHALMIC	Male	41	1,030	1,071	927	106	3	35
	Female	12	554	566	491	62	..	13
	Male Child	1	88	89	70	17	..	2
	Female Child	..	32	32	22	9	..	1
GYNAEC	Female	71	2,846	2,917	2,798	61	12	46
	Female Child	..	..	..	..	..	..	..
SKIN-VENERAL	Male	21	285	306	204	87	3	12
	Female	8	133	141	121	14	..	6
	Male Child	1	26	27	20	5	..	2
	Female Child	..	15	15	11	2	..	2
AURAL	Male	19	933	952	712	205	10	25
	Female	5	829	824	626	191	4	13
	Male Child	7	487	494	406	81	3	4
	Female Child	5	378	383	310	69	1	3
ORTHOPAEDIC	Male	241	2,700	2,941	2,020	597	90	234
	Female	122	1,165	1,287	821	325	32	109
	Male Child	70	684	754	554	161	2	37
	Female Child	30	341	371	263	79	1	28

APPENDIX II—Contd.

Department	Sex	In the Hospital at the Mid-night of 31-12-76	Admitted during the year 1977	Total treated	Discharged		Died	In the Hospital by the mid-night of 31-12-77
					Cured	otherwise		
PSYCHIATRY	Male	25	622	647	251	363	1	32
	Female	11	300	311	191	108	1	11
	Male Child	..	22	22	14	8	..	..
	Female Child	..	14	14	9	5	..	..
NEUROSURGERY	Male	15	258	273	160	38	54	21
	Female	10	139	149	86	37	14	12
	Male Child	2	81	83	50	17	11	5
	Female Child	2	49	51	21	11	4	5
NEUROLOGY	Male	14	256	270	176	71	6	17
	Female	8	107	115	66	37	5	7
	Male Child	4	71	75	51	15	..	9
	Female Child	2	24	26	16	7	2	1
PAEDIATRIC SURGERY	Male Child	37	1,551	1,588	1,131	365	70	22
	Female Child	15	658	673	438	186	45	4
PAEDIATRIC	Male Child	39	2,544	2,583	1,701	431	408	43
	Female Child	44	1,689	1,733	988	417	291	37
OBSTERIC	Female	170	7,738	7,908	7,451	267	19	171
	Female Child	..	1	1	1	..	..	..
CARDIOLOGY	Male	21	226	247	83	121	25	18
	Female	17	143	160	57	80	18	5
	Male Child	7	30	37	14	19	3	1
	Female Child	3	20	23	6	14	1	2
THORACIC-SURGERY	Male	29	345	374	131	169	39	35
	Female	14	252	266	113	125	14	14
	Male Child	7	47	54	13	20	17	4
	Female Child	4	25	29	6	11	9	3
ASTHAMA	Male	22	342	364	125	172	53	14
	Female	11	233	244	69	146	20	9
	Male Child	..	12	12	3	6	1	2
	Female Child	..	5	5	..	4	..	1
DIABETIC	Male	4	158	162	37	100	12	13
	Female	5	98	103	25	65	9	4
	Male Child	..	4	4	..	4	..	..
	Female Child	..	1	1	..	1	..	..
G. I. C.	Male	..	57	57	23	28	6	..
	Female	1	25	26	9	15	..	2
	Male Child	..	..	..	..	..	..	..
	Female Child	..	1	1	..	1	..	..
PLASTIC SURGERY	Male	26	295	321	89	206	1	25
	Female	11	131	142	32	94	2	14
	Male Child	3	95	98	31	65	1	1
	Female Child	10	71	81	19	53	..	9
HAEMATOLOGY	Male	4	96	100	53	33	14	..
	Female	4	50	54	31	18	5	..
	Male Child	..	7	7	5	2	..	..
	Female Child	..	3	3	1	2	..	..
ENDOCRINOLOGY	Male	..	15	15	6	9	..	..
	Female	..	11	11	5	6	..	..
	Male Child	..	2	2	..	2	..	..
	Female Child	..	..	..	..	..	..	..
UROLOGY	Male	20	247	267	152	99	4	12
	Female	8	61	69	39	28	..	2
	Male Child	..	2	2	1	1	..	..
	Female Child	..	1	1	..	1	..	..
PHARMACOLOGY	Male	..	34	34	20	6	..	8
	Female	..	15	15	8	7	..	..
	Male Child	..	4	4	3	1	..	..
	Female Child	..	3	3	2	1	..	..
TOTAL	Male	935	26,710	27,645	20,783	3,850	2,107	905
	Female	630	22,685	23,360	18,972	2,653	1,120	615
	Male Child	184	6,090	6,274	4,266	1,241	623	144
	Female Child	119	3,507	3,626	2,220	897	401	108
GRAND TOTAL		1,913	58,992	60,905	46,241	8,641	4,251	1,772

APPENDIX III

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

Department	New O.P.D. Cases				Casualty			
	Male	Female	M/Child	F/Child	Male	Female	M/Child	F/Child
Medical	40,436	21,605	12	6	2,387	1,080	60	38
Surgical	47,272	15,894	138	76	9,160	2,123	86	43
Ophthalmic	15,259	7,058	1,566	1,141	530	60	27	6
Gynaec	..	15,411	..	..	..	74	..	2
Dental	9,623	7,005	1,204	978	38	8	1	..
Skin	23,742	8,607	6,953	5,209	18	5	2	1
Aural	11,253	7,306	3,000	2,297	347	73	23	18
Orthopaedic	19,082	8,816	3,594	2,001	2,830	686	481	224
Psychiatric	4,179	2,565	474	257	23	19	3	4
Neurosurgery	394	202	107	49	10	2	1	..
Neurology	947	472	184	119	3	..	..	1
Paediatric Medical	..	..	10,705	7,600	..	..	424	274
Obstetric	..	6,490	..	..	..	65	..	..
Dispensary Service	2,589	836	72	18	..	..	..	..
Diabetic	1,014	750	7	5	4	2	..	..
Plastic Surgery	192	171	111	73	782	110	43	43
Thoracic Surgery	1,001	680	156	149	3	..	1	..
Paed. Surgery	..	..	6,954	3,474	..	..	886	476
G.I.C.	118	51	3	1	..	..	..	..
Cardiology	1,595	1,415	274	193	4	2	..	..
Endocrinology	207	365	39	22	..	..	..	..
Asthma	73	39	2	1	..	..	..	..
Chest-Clinic	1,227	642	58	45	..	..	..	..
Epilepsy	491	303	262	165	..	..	..	..
Urology	610	59	17	3	..	..	..	..
Municipal Staff	144	44	6	3	..	..	..	..
Arthritis Clinic	230	143	7	5	..	..	..	..
Sports Clinic	253	31	..	..	..	..	..	..
Haematology	14	8	1	1	..	..	..	..
Casualty	33,809	9,825	6,315	2,975	..	..	..	..
Pneumoconiosis	5	2	..	..	..	..	..	..
Air pollution	24	15	2	..	..	..	..	..
Minor surgery	..	..	..	..	19	2	1	2
Grand Total	2,15,783	1,16,810	42,223	26,866	16,188	4,311	1,959	1,132

APPENDIX IV

Cost per In-patient and Out-patient per day

Particular	1976-77		1977-78	
	In-patient	Out-patient	In-patient	Out-patient
Establishment	18.55	51.15	22.65	14.47
Contingencies	2.40	0.82	2.90	0.82
Equipment	0.89	0.31	0.71	0.21
Drug & Medicine	11.62	3.39	14.15	3.88
Diet	3.81	..	2.87	..
Stores	2.98	1.09	3.15	1.23
Repairs and Maint.	2.05	0.64	4.00	1.26
	42.30	11.40	50.43	21.87

APPENDIX V

Results of Examinations

Name of Examination	April 1977		October 1977	
	Appeared	Passed	Appeared	Passed
1st M.B.B.S.	18	17	168	150
2nd M.B.B.S.	163	143	40	31
3rd M.B.B.S.	61	50	139	113
B.Sc. (Physiotherapy) F.Y.	43	28	14	9
B.Sc. (Occupational Therapy) F.Y.	35	17	23	17
B.Sc. (Occupational Therapy)	32	28	7	6
M.D. (Medicine)	22	8	19	6
M.D. (Path. & Bact.)	3	..	1	1
M.D. (Obst. & Gyn.)	15	1	26	12
M.D. (Pharmacology)	1	1	1	..
M.D. (Paediatric)	17	6	20	10
M.D. (T.B. & Chest)	..	..	1	..
M.D. (Skin Diseases)	..	..	1	1
M.D. (Anaesthesia)	12	8	7	..
M.D. (Prev. & Soc. Med.)	1	..	..	..
M.D. (Radiology)	..	..	1	1
M.D. (Psychological Med.)	1	1	5	2
M.D. (Human Physiology)	..	..	1	1
M.D. (Neurology)	..	..	1	..
M.D. (Cardiology)	1	..	3	1
M.D. (Pathology)	..	..	4	3
M.S. (Gen. Surgery)	13	7	14	5
M.S. (Orthopaedics)	21	7	17	4
M.S. (E.N.T.)	4	1	7	2
M.S. (Ophthalmology)	3	1	1	1
M.S. (Human Anatomy)	1	..	..	..
M.S. (Neuro Surgery)	..	..	..	..
M.S. (Thoracic Surgery)	..	..	2	2
M.S. (Paed. Surgery)	1	..	4	3
M.S. (Plastic Surgery)	..	..	..	..
D.A.	10	8	5	5
D.V'D.	4	3	4	4
D.P.H.	1	1	2	1
D.P.M.	2	1	1	1
D.M.R.D.	1	..	3	2
D.M.L.T.	9	6	1	1
M.Sc. Biochem. by papers	9	5	..	..
M.Sc. Biochem. by Research	..	..	3	3
M.Sc. Applied Biology	3	3	2	2
M.Sc. (Animal Physiology)	..	..	..	..
Ph. D. (Pharmacology)	..	..	1	1
Ph.D. Applied Biology	..	..	2	2
Ph.D. (Biochemistry)	..	..	2	2

Result of various examination of the College of Physician & Surgeons of Bombay

Name of the Examination	April 1977 Students Passed	November 1977 Students Passed
M.C.P.S.	11	16
F.C.P.S.	1	2
D.G.O.	10	15
D.C.H.	10	14
D.F.P.	1	2
D.O.M.S.	4	7
D.P.M.	3	3
D.M.R.E.	2	2
D.D.V.	2	1
D.O.R.L.	6	1
D.A.	..	..
D. Orth.	5	4
D.P.B.	..	4

APPENDIX VI

RESEARCH

(1) Department of Pharmacology :—

(A) (a) Laboratory Projects :—

A total of 122 compounds were screened for biological activity using tests for primary screening. Of these secondary screening was done as follows :—

14 were tested for minor tranquilliser activity, 7 for anti-inflammatory activity, 4 as hypoglycaemics, 5 for anti-allergic activity, 2 for anorectic activity, 2 for anti-cholesterol activity, and 2 for antithrombotic activity.

(b) Other Projects :—

- (1) Role of Prolamines and nucleic acid in inflammation.
- (2) Biological and Pharmacological role of brain cholinesterase.
- (3) Pharmacological activity of taurine.
- (4) Involvement of GABA in anorexia.
- (5) Biochemical effects of anti-inflammatory drugs.
- (6) Mitochondrial oxidative phosphorylation during endotoxin shock in rats.
- (7) Effect of Manganese and Zinc on inflammatory processes.
- (8) Lithium and animal models of aggression.
- (9) Glutathione levels during various kinds of experimental hepatic damage.
- (10) GABA aminergic mechanism in hypothalamic releasing hormones.
- (11) Mono-amines during hepatic damage in rats.

(2) Clinical Projects :—

- (1) Study of biogenic amines in psychiatric disorders.
- (2) Biogenic amines in tatarus.
- (3) Drug surveillance programme in surgical and psychiatric wards.
- (4) Investigations of RH-8, an anti-inflammatory agent.
- (5) Clinical investigations on ethacridine lactate for termination of pregnancy.
- (6) Metolazone in resistant oedema.
- (7) Non-steroidal anti-inflammatory agents and proteinuria of nephrotic syndrome.
- (8) Study of spironolactone and interpopulation variations in response.
- (9) Clonidine bioavailability studies.
- (10) Furosemide bioavailability studies.
- (11) Furosemide-metolazone interactions in patients.

(3) Department of Preventive and Social Medicine :—

Completed —

- (1) Knowledge, Attitude and Practice of Family Planning in Greater Bombay.
- (2) A Random Sample Survey of Eligible Couples of Greater Bombay.
- (3) The Challenge of Family Planning.
- (4) Need for sterilization Reversal in India.
- (5) Socio psychological study and rehabilitation of all burns cases admitted in Ward-VII during the year 1973.
- (6) Name of Inquiry—Study of quizing patients of out patients department and utilization of specialists services.

Incomplete —

- (1) Health and family Welfare in a Maharashtra Village.
- (2) A study of knowledge and attitude of college students towards sex education, venereal disease and alcoholism.
- (3) Survey and evaluation of venereal diseases at prostitutes in red light areas.

(4) Department of Anaesthesiology :—

The following work is in progress :—

- (1) Calibration of an indigenous Ether Vaporiser.
- (2) Comparative Study of Ethantal and Sod. Thiopentone for E.C.T.
- (3) Taming under Succinal Chol re.
- (4) Blood suger levels in Pediatric cases.
- (5) Study of Sk'n and Rectal Temperature in the management of Paediatric.
- (6) I.V. Xylocain for Branchoscopy.
- (7) Sod. Nitroprusside in E.N.T. cases
- (8) Further studu of indigenous oxygenator.

(5) 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 Lactice Dehydrogenase and alkaline phosphatase isoenzymes in malnutrition and certain other disorders.
- (4) Study of the composition of amniotic fluid as related to length of gestation in Indian Women
- (5) Effect of low proteins diet on DNA and RNA of brain and other tissues of rats.

(5) Department of Anatomy :—

- (1) Correlation of length of long bones of cadaver with height, to find the cadaveric Index
Dr. I. M. Mehta, Dr. C.K. Parikh.
- (2) Study of sex chromatin in amniotic fluid cells obtained from M.T.P. Patients.
Dr. Anasuya Rao, Mrs. V. Salehittal.
- (3) Cytology of Body fluids.
Dr. Anasuya Rao, Mrs. V. Salehittal.

APPENDIX VII**PUBLICATIONS****Department of Pharmacology :—**

- (1) Hypotensive response to repeated doses of amphetamine and mephentermine in experimental animals. *Ind. J. Med. Rs.* 65, A, January 1977 pp. 101-104.
 - (2) Mechanism of anthelmintic action. U.K. Sheth. *Progress in Drug Research* 19, 147-157, 1975.
 - (3) Possible involvement of 5 HT and CAMP in tolerance to tremorine and Igesia in mice S.R. Naik, S.R. Amladi and U.K. Sheth. *Psychopharmacology* 52, 213, 1977.
 - (4) Malabsorption in the cirrhosis of the liver. B.V. Patwardhan, Pimparkar, J.M. Mehta and U.K. Sheth. *J. Post Med.* 23, 112-117, 1977.
 - (5) Clinical Experience with Metolazone—A new diuretic in cases of edema and ascites due to hepatic Cirrhosis, C.C.F., and Malnutrition. U.K. Sheth, J.M. Mehta, T. Paul, Sumati Nair and Bharati Sanghvi. *J. Postgrad. Medicine*, Vol. XXIII, No. 4 October 1977, pp. 147-155.
 - (6) Clinical Trial with intravenous clonidine in treatment of severe hypertension. U.K. Gadgil, J.D. Sunavalla, I.J. Pinto, and U.K. Sheth *J. of Postgrad. Med.* Vol. XXIII, No. 4, October 1977. pp. 156-160.
 - (7) A simple model to study the effect of Broncho-constrictors and dilators and to estimate the mediators of allergy. Sunanda S. Nayampalli, A.M. Jha and U.K. Sheth. *Ind. J. Pharmac.* 9, (5) 229-232 (1977).
 - (8) Phase I Tolerability and searching dose studies with 4-iso-thiocyanato-4' nitrodiphenyls (c. 9333—Co/CCP+4540), A new anthelmintic. Ashok B. Vaidya, H.G. Sen and N.A. Handkodi T. Paul, U.K. Sheth. *Br. J. Clin. Pharmac.* (1977); 4, 463-467.
 - (9) Effect of chronic stress on brain cholinesterase S.R. Naik, M.R. Kelkar and U.K. Sheth *Ind. J. Med. Res.* 66, 3, September 1977, pp. 513-516.
 - (10) Serum flavin levels and urinary excretion of riboflavin and riboflavin tetrabutylate—comparative evaluation. P. Ramakrishna and U.K. Sheth. *Ind. J. Med. Res.* 66, 4, Oct. 1977, pp. 618-626.
 - (11) Synthesis and Pharmacology of 2, 5-disubstituted 1, 3, 4 oxydrazoles. A. H. Deshmukh, *Medical Chemistry*.
 - (12) Metronidazole in Tropical Eosinophilia a. Phase-II Trial. A.B. Vaidya, J. C. Doshi, K.C. Gupta, T. Paul and U.K. Sheth. *Ind. J. of Med. Sciences*, Vol. 30, No. 10 October 1976 pp. 309-312.
 - (13) Studies on 3 Aminobenzo 6, 7 guanosine 4. One (Centazone comp) a new Tranqu losedative compound. J.N. Sharma, P.P. Gupta, C.R. Prasad, A.N. Tamri, B.N. Bhawan, U.K. Sheth, N.N. Gupta. *Ind. J. Expt. Biology*, 15, 1131, 1977.
 - (14) Some biochemical effects of anti-rheumatic drugs S.R. Naik et. al. *Biochem. Pharmacology* 27, 353-1978.
- (1) Orthopaedics & Traumatology :**
1. Dhir R. S. Bavadekar A. V., Yagnik M. C. fracture Humeral Shaft Treated by plating read at Western India Regional Conference (WIRC) & International Conference of Orthopaedic Diseases in Developing Countries (ICODDC) in December 1977 at Bombay.
 2. Bavdekar A. V., Primary Haematogenous Pyogenic Osteomyelitis in Adults read at W I. R. C. and I. C. O. D. C. in December 1977 at Bombay.
 3. Bhansali R. M., Bhandare S. K., and Mokhey S. R. Juvenile Tuberculosis of Spine read at W. I. R. C. & I. C. O. D. C. in December 1977 at Bombay.
 4. Pathak R. H. and Shahene M. N. Closed Treatment of Central Dislocation of Hip read at W. I. R. C. and I. C. O. D. C. in December 1977 at Bombay.
 5. Dhir R. S., Bavdekar A. V., & Patel B. R. Habitual Dislocation of Patella read at the 37 Annual Conference of the Association of Surgeons of India in December 1977 at Madurai.
 6. Dhir R. S. A. New Intracondylar Compression Screw read at the 37th Annual Conference of the Association of Surgeons of India in December 1977 at Madurai.
 7. Bavdekar A. V. Anterior Spinal Surgery in the Management of Tuberculosis of Spine An Appraisal *Indian Journal of Surgery* 40, 127-145, 1978.
 8. Dhir R. S., Bavdekar A. V. and Yagnik M. C. Surgical Management of Neglected Colles Fracture: Accepted for Publication in *Indian Journal of Surgery* on 8th November 1977.

(2) Department of Biochemistry :

- 1 Study of urinary nitrogenous constituents in reaction leprosy S. S. Naik, K. G. Tanksale R. Ganapati Ind J. Med. Res. 65 : 193 1977
- 2 Nutritive value of Hybrid Varieties of Finger millet Mrinal Pore and N. G. Magar Ind J. Agric. Sci. 47:226. 1977.
- 3 Physico Chemical characters of Eleven varieties of rice from Maharashtra J D Chavan & N. G. Magar Ind J. Agric Sci 47:226 1977
- 4 A new method for the determination of Capsaicin by using mutiband thin layer chromatography —D. S. Pankar & N. G. Magar J. Chromatograph 144-149. 1977
- 5 Magnesium, the ignored Element during pregnancy A. V. Potnis, P. V. Patel & Patel B. N. Purandare J. of Obs/Gyn of India Vol. XXVII June 77 pp 343.
- 6 Estimation of Sodium, Potassium and Chloride in Gravid conditions A. V. Potnis, P. V. Patel & B. N. Purandare J. of Obs/Gyn. of India Vol. XXVII June 1977 pp 346
- 7 Alkaline phosphatase of inorganic phosphorus during pregnancy A. V. Potnis, P. V. Patel & B. N. Purandare J. of Obs/Gyn. of India Vol. XXVII June 1977 pp 354
- 8 Effect of pregnancy in Ca and Citric acid levels A. V. Potnis, P. V. Patel & B. N. Purandare J. of Obs/Gyn. of India Vol. XXVII June 1977 pp 350i

Following research articles are accepted for publications :

1. A study of cholesterol/phospholipid ratio and triene/tetrene ratio in corona heart disease K. G. Tanksale— J. Post. Grad. Med.
2. Comparison of the effects of leading Indian fish liver oils supplemented with or without cholesterol and bile salts on certain enzymes in liver, heart and serum of rats. K. G. Tanksale & N. G. Magar —J. Post Grad. Med.
3. Chemical composition of oil from Whole Chilli and Seeds of Capsicum annum L. D. S Pankar & N. G. Magar — J. Oil Tehnol, Associ. 1977.
4. Cholesterol inducing pathological lesions responsible for myocardial infarction. A. V. Potnis, M. K. Mashruwala, I. V. Pinto & H. C. Merchant Accepted by J. of post. grad. Medicine.
5. Lipid Studies in Cardiac disorders with Diabetes millitus A. V. Potnis, M. K. Mashruwala, I. V. Pinto & H. C. Merchant J. of post. grad. Medicine.
6. Lipid Studies in congestive Cardiac failure A. V. Potnis, M. K. Mashruwala, I. V. Pinto & H. C. Merchant J. of post. grad. Medicine.
7. Significance of free fatty acids (FFA) in myocardial infarction. A. V. Potnis, M. K. Mashruwala, I. V. Pinto & H. C. Merchant J. of post. grad. Medicine.

Following research papers were presented at various conferences :

1. Effects of stress on carbohydrate metabolism in hospitalised patients—K. G. Tanksale Alka S. Charegaonkar 4th Annual Conference of Association of Clinical Biochemists India, Varansia 1977.
2. Influence of Dietary fat on cholesterol esters of blood rats N. D. Pajil and K. G. Tanksale 4th Annual Conference of Association of Clinical Biochemists of India, Varanasi 1977.

Molecular Biology Cell :

1. Salmonellosis in processed frog legs Deshpande C. K. and Leela Joshi
2. Drug Combination studies in rapidly growing Mycobacteria and Mycobacterium tuberculosis H37 Rv. Naik S. P. and Joshi Leela
3. Study of cross resistance in rapidly growing Mycobacteria and Mycobacterium tuberculosis Naik S. P. and Joshi Leela.
4. Isolation of organisms in Open-Heart surgery and Drug sensitivity pattern Pai S. R. and Joshi Leela.
5. Study of cross resistance in rapidly growing Mycobacteria and Mycobacterium tuberculosis H37Rv. (In continuation with the above paper) Naik S. P., Joshi Leela and Deshpande C. K.
6. Combination of Antimicrobial agents for the control of post-operative infection. Pai S. R. and Joshi Leela.
7. Triple drug combination studies of Antituberculosis drugs on various Mycobacterial. Naik S. P. and Joshi Leela.

1. A Double Blind Study of clobazepam in Anxiety Neurosis Journal of Clinical Pharmacology (New York) D. R. Doongaji, A. Sheth, J. S. Spte, P. D. Lakdawala, C. B. Khare and Mrs. S. S. Thatte.
2. On Placebos, placebo Responses and placebo responders Part I (A and B)— Journal of Post-Graduate Medicine, — D. R. Doongaji, M. P. F. Bharucha, V. N. Vahia, Mrs. S. S. Thatte, Miss Pradhan and Mr. P. P. Mistry.
3. On Placebo, placebo Responses and Placebo Responders Part II Indian Journal of Psy- Psychiatry.— D. R. Doongaji, M. P. F. Bharucha, V. N. Vahia, Mrs. S. S. Thatte, Miss Pradhan and Mr. P. P. Mistry.
4. Single vs divided dosage therapy of Sintamil in Depression: Journal of postgraduate medicine 23 (3): 106-111 (1977)— D. R. Doongaji, A. S. Sheth, J. S. Apte, V. K. Mundra and M. R. Dutta.
5. Sleep Deprivation in Depression — D. R. Doongaji, A. S. Sheth, J. S. Apte, P. D. Lakdawala M. O. Parikh, V. N. Vahia, A. R. Singh, Mrs. S. S. Thatte and Miss Pradhan.
6. 12 Transsexuals— A psychiatric Appraisal of patients seeking Gender Reassignment Surgery Journal of Post-Graduate Medicine D. R. Doongaji, A. S. Sheth, J. S. Apte, M. P. F. Bharucha, M. R. Dutta, R. R. Abhyankar, P. D. Lakdawala, C. B. Karve, S. P. Ratnaparakhi K. V. Bendale, Mrs. S. S. Thatte, Miss M. Rao, and P. H. Keswani.

APPENDIX VIII

SEMINARS, CONFERENCES, ASSOCIATIONS AND PAPERS READ

(1) Department of Pharmacology

Prof. Director U. K. Sheth :

1. Attended the Decennial Conference of the Indian Pharmacological Society at Calcutta in December, 1977.
2. Attended the International Congress on Hypertension, Bombay 1977.
3. Appointed member, Drug Technical Advisory Board, Ministry of Health, Government of India, New Delhi, 1976 to 1979.
4. Chairman, Indian National Committee for the International Union of Pharmacology (IUPHAR), 1977.
5. Continued as councillor Member of Clinical Pharmacology Committee of IUPHAR.
6. Member Pharmaceutical and Drug Research and Pesticide Committee of C. S. I. R., New Delhi.
7. Member of W. H. O. Committee on Evaluation of Drugs.
8. Professor Sheth was awarded the "Dr. B. C. Roy National Award" for the year 1977, for his contributions in development of Clinical Pharmacology as a special branch of Medicine.

Professor S. M. Karandikar :

1. Attended annual conference of Association of Physicians of India Nephrology Section, at Calcutta, January, 1977. Presented a paper — Furosemide pharmacokinetics and its relevance to ototoxicity.
2. Attended First National Meeting on Chronobiology at Pune, June 1977.
3. Attended Third Regional Conference of Pharmacologists of Maharashtra at Nagpur, August, 1977. Chairman of one Scientific session.
4. Invited as a Speaker and Chairman for a symposium on Drug Metabolism in Paediatrics at Post Graduate Institute at Chandigarh; October, 1977.
5. Attended Decennial Conference of Indian Pharmacological Society at Calcutta, December 1977.

Dr. S. R. Amladi :

1. Attended the Second Commonwealth Pharmaceutical Congress, Bombay, January, 1977
2. Attended the Third Maharashtra Pharmacologists Conference at Nagpur, August, 1977.
3. Attended the Decennial Conference of the Indian Pharmacological Society at Calcutta December, 1977.
4. Continued as Member, Executive Committee of the Bombay Natural History Society, Dr. Amladi is also Chairman of the Nature Education Scheme of the same society.

Dr. (Mrs.) S. S. Naya mpalli :

1. Attended the Xth Annual Conference of the I. P. S. Calcutta, December, 1977.

Dr. A. B. Varde :

1. Invited at the Central Labour Institute, Bombay, to deliver a lecture on "Industrial Psychiatry" in October, 1977.
2. Appointed an Honorary Medical Officer during the Fifth Test Cricket Match to the Indian and English teams at Bombay in February 1977.
3. Continues as the Warden of the Male students Hostel of this Institution.

Dr. (Mrs.) S. A. Dahanukar :

Attended the Third Maharashtra Pharmacologists Conference at Nagpur, August, 1977.

Papers presented at 2nd Commonwealth Pharmaceutical Conference, Bombay January 1977.

1. Effect of muscarinic and dopamine receptor blockers and Thymoleptics on human platelet aggregation in vitro Sushma Manikeri, S. R. Naik, S. R. Amladi and U. K. Sheth.
2. Beneficial effect of spironolactone on the ulcerogenic potential of non-steroidal anti-inflammatory agents. B. D. Samant, Kala M. Mogre, T. S. Chinwalla and U. K. Sheth.
3. Bioavailability of aspirin with interacting influence of caffeine, Sharadini Dahanukar, Savitri M. Potujani and U. K. Sheth.
4. 6-diaryl-S-Triazodo (4,3-6) pyridazines, a new class of anti-inflammants. K-Rama Rao, P. B. Sattur & U. K. Sheth.
5. Protective effect of Picrorhiza Kurroa and Eclipta alba on Na, +K-ATPase system in liver injury by hepatotoxic agents Kala Mogre, K. K. Vora and U. K. Sheth.

Papers presented at the third Maharashtra Pharmacologists conference, Nagpur, August 1977.

1. Furosemide Kinetics as reflected in saliva of dogs. V. N. Dadkar, S. M. Karandikar, Y. A. Deshmukh, K. K. Vora and U. K. Sheth.
2. Quantitative assessment of gastroint-estinal bleeding for pharmacologic screening. S. A. Dahanukar, N. T. Bhiwankar, B. C. Mehta and U. K. Sheth.
3. Effect of some oxytocic agents on vasopressin induced aggregation of human platelets in vitro. S. B. Manikeri, P. M. Naik, S. R. Amladi and U. K. Sheth.
4. Copper and manganese levels in certain tissues in models of parkinson's disease. M. Kini S. R. Naik, S. M. Karandikar, U. K. Sheth, S. R. Raut, V. K. Pande, and S. D. Soman.
5. Glutathione levels during carbon tetrachloride and alcohol induced liver damage, C. N. Raghu, S. R. Naik, P. R. Naik and U. K. Sheth.

Papers presented at the decennial conference of the Indian Pharmacological Society, Calcutta, December, 1977.

1. Clonidine with methysergide in severe hypertension and the possible mechanism. C. M. Prasad, Y. M. Deshmukh and U. K. Sheth.
2. Protective effect of piracetam on tissue hypoxia in rats-Sulekha Valme, M. L. Kothari, V. N. Dadkar, S. R. Naik and U. K. Sheth.
3. Biochemical changes in isoproterenol induced cardiac hypertrophy N. V. Rangnekar, K. G. Nair and U. K. Sheth.
4. Anti-inflammatory activity of N-alkyl- α -ethoxy-benzamides S. R. Naik and U. K. Sheth.
5. Effect of muscimol—A central gamma-amino-butyric acid receptor agonist on the catecholamine, triptan HVA increase and analgesia by pilocarpine in rats S. R. Naik, M. R. Kelkar, and U. K. Sheth.
6. Paradoxical effects of Lithium on some models of aggression. S. R. Amladi, S. R. Naik, M. R. Kelkar, Sulekha P. Valame and U. K. Sheth.
7. Quantitative assessment of gastrointestinal bleeding for pharmacologic screening and comparative evaluation of blood loss caused by anti-inflammatory drugs. Sharadini Dahanukar, Bhiwankar, Ramnath, B. C. Mehta and U. K. Sheth.
8. Effect of RH-8, flurbiprofen and aspirin on platelet aggregation— Kusum Gupta, Sushma Manikeri, Teresa Paul, G. Tilva, Vidya Acharya, J. M. Mehta, K. G. Nair and U. K. Sheth.
9. Effect of some oxytocic agents on vasopressin induced aggregation of human platelets in vitro. Sushma R. Manikeri, P. M. Naik, S. R. Naik, S. R. Amladi, and U. K. Sheth.
10. Protective effect of picrorhiza kurroa and eclipta alba on Na+K-ATPase system in liver injury by hepatotoxic agents K. Mogre, U. K. Sheth and K. K. Vora.
11. Evaluation of anti-allergica activity of Tylophora indica using rat lung piths or by Sunandaza S. Nayampalli, A. M. Jha and U. K. Sheth.

APPENDIX IX

PROJECTS' INVESTIGATIONS AND TESTS

DEPARTMENT OF PHARMACOLOGY

				No. of Samples Screened.
Liver function tests :				
(1)	Serum glutamic oxalacetic transaminase	..	..	598
(2)	Serum glutamic pyruvic transaminase	..	..	598
(3)	Serum Bilirubin (Total)	..	..	589
(4)	Serum Bilirubin (Direct)	..	..	589
(5)	Serum Alkaline Phosphatase	..	..	515
(6)	Serum Pseudocholesterase	..	..	745
(7)	Serum Proteins (Total)	..	..	471
(8)	Serum Proteins (Electrophoretic Pattern)	..	..	444
Renal Function Tests :				
(1)	Serum Electrolytes	..	..	658
(2)	Urine Electrolytes	..	..	6162
(3)	Blood Urea	..	..	579
(4)	Plasma creatinine	..	..	487
(5)	Uric Acid	..	..	430
Miscellaneous Tests :				
(1)	Blood sugar	..	..	825
(2)	Serum Total chrdl.	..	..	433
(3)	R. A. Tests	..	..	12
(4)	Serum Lithium	..	..	58
Lipid Tests :				
(1)	Free fatty acids	..	..	184
(2)	Total lipids	..	..	138
(3)	Lipo proteins	..	..	169
(4)	Free cholesterol	..	..	164
(5)	Triglycerides	..	..	286
(6)	Esterified cholesterol	..	..	163
(7)	Total cholesterol	..	..	171
Blood coagulation Factors :				
(1)	Prothrombin Time	..	..	334
(2)	Partial Thromboplastin Time	..	..	334
(3)	Platelet count	..	..	347
(4)	Platelet aggregation	..	..	334
(5)	Thrombin Time	..	..	334
(6)	Plasma fibrinogen	..	..	325
(7)	Platelet Adhesiveness	..	..	178
(8)	Englobulin clot lysis time	..	..	325
Haematological Techniques :				
(1)	Complete Haemogram	..	..	1036
(2)	E S R	..	..	1016
(3)	Platelet count	..	..	521
(4)	Total Eosinophil count	..	..	185
(5)	Malarial parasite	..	..	5
(6)	Bleeding Time	..	..	23
(7)	Clotting Time	..	..	23
(8)	L. E. Cells	..	..	5
(9)	Puncture fluids	..	..	..
(10)	Retic count	..	..	6
Stool samples :				1117
(1)	Ova counts	..	..	1
(2)	Sigmoidoscopy	..	..	25
(3)	Urine samples	..	..	915
Drug levels studies :				
(1)	Plasma levels of isoniazide	..	..	18
(2)	Dentine levels in serum	..	..	40
(3)	Antipyrine levels in serum	..	..	48
(4)	Supha	..	..	120
Bacteriological work :				
(1)	Urine cultures and colony count	..	..	335
(2)	Sputum samples	..	..	13
(3)	Antibiotic sensitivities	..	..	94
(4)	Acid fast staining	..	..	22

New Techniques standardised :

- (1) Doxycycline Assay
- (2) Ampicillin Assay
- (3) Trimethoprine (Approx. 120 samples screened)
- (4) Theophylline
- (5) Propranolol
- (6) Metronidazole (Approx. 100 samples screened)
- (7) Ethambutol
- (8) Pyrizinamide
- (9) RH-8
- (10) Tolmectin for two different tablet formulations (about 54 samples done).

Molecular Biology Cell :—

1. Combination of antitubercular drugs and genetic studies in mycobacteria.
2. Studies on incidence of atypical mycobacteria and drug resistance in tuberculosis lymphadenopathy.
3. Bacterial and mycotic infection in open heart surgery.
4. Effect of combination of drugs on high resistant organisms.
5. Isolation of Salmonella organisms from processed frozen frog legs before export and their relation to human infection.
6. Phage-typing of Salmonella paratyphi A and bactericin production study in Salmonella
7. Bacteriology of urinary tract infection in diabetic patients.
8. Diagnostic value of tissue culture in diagnosis of endometrial lesions.
9. Genetic studies on Salmonella paratyphi A.
10. Infections in patients suffering from leukemia (blood cancer.)
11. Effects of urea, proteins and Ph on growth of organisms isolated from patients with urinary tract infection.
12. Study of drug resistant strains isolated from patients with urinary tract infection.
13. Factors affecting drug resistance of organisms.
14. Study of immunological response in patients with Group A Streptococcal infection.
15. Preparation of Streptolysin O and Group A Streptococcal sera.
16. Streptococcal infection in school children A survey programme.
17. Respiratory infection in Tracheotomized patients.

Department of Psychiatry :— (Dr. V. N. Bagadia)**Projects :**

- (1) A Double Blind Study of Loxapine in Adolescent Schizophrenia
- (2) A Double Blind Study of Amoxapine in Depression.
- (3) Drug Surveillance Programme in Psychiatry.
- (4) Behaviour Therapy of Alcoholism.
- (5) A Preliminary Study of Centbutindon in Schizophrenia.
- (6) A Preliminary Study of Centpropazone in Depression.
- (7) Behaviour Therapy of Neuroses and Allied Disorders.
- (8) A Prospective Study of Childhood Disorders.
- (9) Psychopharmacotherapy in India : Neuroleptic Drugs.
- (10) Comparative Study of Various Treatments in Depression.
- (11) Comparative Study of Various Treatments for Anxiety Neurosis.
- (12) The Effects of Benzodiazepines and Therapeutic Counselling in Different Populations.
- (13) Dose Effects of Antidepressant Medication in Different Populations.
- (14) Dose Effects of Antipsychotic Medication in Different Populations.

Dr. D. R. Doongaji :—

- (1) Sleep deprivation in Depression.
- (2) Study of penfluridol for maintenance of chronic schizophrenia.
- (3) Idiot Savant : Review and A case report.
- (4) Evaluation of Group Psychotherapy in various psychiatric Disorders.
- (5) Neuropsychiatric aspects of Leukemia.
- (6) A Psychiatric appraisal of patients seeking Gender Reassignment Surgery.
- (7) Dimensional and categorical Analysis of Hysteria and Schizophrenia
- (8) Psychosocial stress in cancer.
- (9) Schizophrenic Research protocol.
- (10) Standardization and Item Analysis of MMPI for Indian Population

APPENDIX X

CLASSIFIED LIST OF OPERATIONS PERFORMED IN THE CARDIO-VASCULAR AND THORACIC SURGERY THEATRE DURING THE YEAR 1977.

Open Heart Operations :-

Mitral Valve Replacements (Presthetic valves)	40
Aortic Valve Replacements (Prosthetic Valves)	40
Aortic Valve Replacements (Prosthetic with Mitral Valvotomy)	5
Mitral Valve (Homograft) Replacement with Closure of A. S. D.	1
Aortic Valve and Mitral Valve (Both Homografts) Replacement	1
Mitral Commissurotomy (Open)	8
Pulmonary Valvotomy	1
Closure of A. S. D.	41
Closure of A. S. D. with Pulmonary Valvotomy.	3
Closure of V. S. D.	14
Excision of Myxoma	2
Total Open Heart Operations	140
Mitral Commissurotomy	358
Division of Patent Ductus	22
Repair of Co-arcetation of Aorta	8
Implantation of Cardiac Pace-Maker	15
Aorta Femoral Bypass	8
Resection of Aneurysms (without Bypass)	8
Renal Transplants	1
Embolectomy	35
Lumbr sympathectomy	10
Renal Artery Revasculari	1
Exploratiun and Sapheluvein graft for (R) axillary artery	1
Thymectomy	4
Pericardiectomy	4
Excision of Mediastenal Tumours	5
Excision of Lung cyst.	1
Lung Biopsy	12
Exploratory Thoractomy	8
Re-explorati of chest	37
Nephrectomy	4
Pleural Tapping	1
Amputations	1
Other Miscellaneous Ocrations.	203
	747

APPENDIX XI

Performance Targets and achievement for the yer 1977-78

Serial No.	Activity	Actuals for 1976-77	Target of 1977-78	Achievement for the year 177-78		Total	Remarks
				Outdoor	Indoor		
1	Medicine Department ..	90,657	90,925	62,059	15,855	77,914	
2	Surgery Department ..	1,05,043	1,06,045	63,380	11,320	74,700	
3	Cost. & Gynaec. Deptt. ..	37,687	39,000	21,901	10,585	32,486	
4	Paediatric Deptt. ..	50,972	51,972	28,733	6,442	35,175	
5	Premature Baby Ward ..	71	85	95	..	95	
6	Radiology Department ..	1,08,114	1,09,016	1,260,808	..	1,26,808	
7	Pathology & Bacteriology ..	1,97,657	1,62,420	1,98,353	..	1,98,357	
8	Casualty Department ..	30,602	30,800	52,924	..	52,924	
9	Orthopaedic Department ..	37,210	37,480	33,493	4,890	38,383	
10	Ear, Nose, Throat Deptt. ..	27,350	27,500	23,856	2,627	26,483	
11	Ophthalmic Department ..	27,173	27,300	25,024	1,704	26,728	
12	Skin & Venerology Deptt. ..	57,829	5,81,000	44,511	459	44,970	
13	Blood Bank ..	8,626	9,000	5,399	706	6,105	
14	Gastro Enterology Deptt. ..	331	400	173	83	256	
15	Neurology Department ..	2,403	2,50	1,722	458	2,180	
16	Urology Department ..	1,218	1,320	689	311	1,000	
17	Speech Department ..	410	460	397	..	397	
18	Audiology Department ..	..	..	3,105	..	3,105	
19	Psychology Department ..	9,004	9,065	7,475	958	8,433	
20	Bio-Chemistry Deptt. (Investigation No.) ..	1,37,745	1,37,850	1,87,134	..	1,87,134	
21	Pharmacy Deptt. ..	2,203	2,350	2,521	56	2,203	
22	Intensive Care Unit ..	825	900	..	628	628	
23	Occupational & Physio-Therapy Centre School ..	2,14,804	2,14,950	4,61,255	..	4,61,255	
24	Immunization Centre ..	..	..	..	..	..
25	Dental Clinic ..	19,162	19,600	18,810	..	18,810	
26	Neuro Surgery Deptt. ..	1,301	1,380	752	527	1,279	
27	Plastic Surgery ..	1,223	1,300	547	592	1,139	
28	Cardiology Deptt. ..	3,882	4,000	3,477	419	3,896	
29	Asthma Clinic ..	643	675	115	592	707	
30	Diabetic Clinic ..	1,936	2,010	1,776	261	2,037	
31	Haematology Department ..	128	150	24	156	180	
32	Endocrinology Deptt. ..	686	700	633	28	661	
33	Artificial Kidney Deptt. ..	1,196	1,300	1,302	290	1,592	
34	Dispensary Service ..	3,288	3,500	3,515	..	3,515	
35	Epilepsy Clinic ..	1,257	1,270	1,221	..	1,221	
36	Chest Clinic ..	1,951	2,000	1,072	..	1,972	
37	Arthritis Clinic ..	413	500	385	..	385	
38	Vascular Clinic ..	19	50	..	..	..
39	Thoracic Surgery ..	2,338	2,450	1,986	669	2,655	
40	Spotts Clinic ..	477	500	284	..	284	
41	Evening Dispensary for Municipal Staff. ..	21	50	197	..	197	

Bai Yamunabai L. Nair Charitable Hospital & Topiwala National Medical College

HIGH-LIGHTS :

Hospital :

	Rs.
(1) Total Expenditure including Liabilities	2,50,66,598
(2) Donations received	60,325.30
(3) Amount collected from boxes	31,072.36
(4) Amount spent from the Fund for the poor patients	1,88,029.00

Indoor Patients :

Beds 782	46,500
Daily average number of patients	1,062.63
High st number of Inpatients on a single day	1,238
Highest number of admission on a single day	214
Number of patients discharged during the year, including 1,070 brought from the previous year.	44,094
Cured	19,420
Otherwise	24,775

Deaths :

Within 24 hours of admission	438
After 24 hours but within 72 hours of admission	367
Exceeding 3 days	1,500
Total	2,305

Operations :

Indoor patients	14,078
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Autopsies :

Post mortem done	1,174
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Deliveries :

(1) Confinements	3,060
(2) Deliveries	2,678
(3) Maternal deaths	12
(4) Medical termination of pregnancy	955
(5) Sterilization (Female)	548
(6) Sterilization (Male)	78
(7) Baby deaths	255
(8) Baby still-briths	111
Average cost per in-patient	Rs. 43.19
Average cost per out-patient	Rs. 9.40

Out-Patient Department :

(1) O.P.D. Attendance	7,32,056
(2) Daily average O.P.D. new attendance	952.34
(3) Casualty Attendance	29,463
(4) Daily O.P.D. Attendance (Old & New)	2,376.81
(5) High st No. of Attendance on a single day	3,120

Court Cases Attended by R.M.Os. :

(1) Presidency Magistrate's Court	165
(2) Sessions Court	47
(3) Motor Accident Tribunal	20

Paying Bed Scheme :

The paying bed scheme has started functioning from 18th July 1977 in the side section of ward 17 for female patients and ward 20 and 21 for male patients. 522 patients have taken the advantage of the paying beds upto 30th April 1978.

An Intensive Paediatric Care Unit has started functioning from 1st August 1977 in section of the Paediatric ward.

12 bedded Medical Acute Care Unit has also started functioning from March 1978 onwards in Ward No. 19.

Expansion Programme :

Plans for a Multi-storeyed building and estimates are under scrutiny. Tenders are to be finalised.

The building comprises of accommodating the following Departments :—

- (1) Casualty with Emergency Ward.
- (2) O.P.D. Services.
- (3) Ward with 90 beds from 5th floors upwards.
- (4) Operation Theatres.
- (5) Central sterile supply.
- (6) Seminar and Lecture Hall and dormitory type of accommodation for doctors and nurses.
- (7) Medical Record Section.
- (8) Blood bank and other departments etc.

Training Centre :

The hospital provides facilities to students from the Topiwala Medical College and Nair Hospital Dental College. It also trains nurses both in General Nursing and in Midwifery.

B.Y.L. NAIR CHARITABLE HOSPITAL

&

TOPIWALA NATIONAL MEDICAL COLLEGE

Bai Yamunabai L. Nair Charitable Hospital continued to render Medical Relief to the sick and Topiwala National Medical College imparted Medical Education to the students, as usual.

Dr. M.S. Kekre, M.B.B.S., M.Sc. (Med.) and Dr. K.K. Gulati, M.B.B.S., D.A., C.P.S., D.A., C.I.E. & P.H., F.R.I.P.H.H. (Lond.) held the posts of Dean and Assistant Dean respectively during the year.

Dr. (Smt.) P.G. Hiranandani, M.B.B.S. and Shri E. V. Rangnekar held the posts of Sr. Asstt. Medical Officer and Ward Officer respectively during the year. Dr. (Smt.) S.S. Sangamnerkar, M.B.B.S. has been continuing as Sr. Asstt. Medical Officer.

The land adjoining Nair Hospital has been acquired by the Bombay Municipal Corporation and construction of building to house the Nurses, Medical Staff, Nurses School and 300 bedded New Hospital Building, are in progress. Construction work for a modern hospital kitchen and a Mortuary Block completed and has started functioning from March 1978 onwards.

The Hospital runs the following departments :—

- | | |
|----------------------------------|---------------------------------------|
| (1) Medical | (2) Surgical |
| (3) Ophthalmic | (4) Gynaecology. |
| (5) Obstetric | (6) Skin and V.D. |
| (7) Auril | (8) Orthopedic. |
| (9) Paediatric | (10) T.B. |
| (11) Cardiology | (12) Cardiac-Surgery. |
| (13) Gastro-Enterology (Medical) | (14) Gastro-enterology (Surgical). |
| (15) Psychiatry | (16) Preventive & Social Medicine. |
| (17) Rheumatic & Col. Diseases | (18) Nephrology. |
| (19) Neuro-Surgery | (20) Plastic Surgery. |
| (21) Renal Surgery | (22) Genito-Urinary Surgical Service. |
| (23) Thyroid Surgery | (24) Anti Rabic. |
| (25) New Born | (26) Diabetic. |
| (27) Paediatric Surgery | (28) Hematology. |
| (29) Special Care | (30) Thoracic. |
| (31) Hypertension Clinic | (32) Asthma Clinic. |

1. DEPARTMENT OF MEDICINE :

The Department of Medicine consists of 3 full-time and 3 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 parttime 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 Asstt. Professors. Each unit functions twice a week.

4. DEPARTMENT OF PAEDIATRICS :

Department of Paediatrics consists of one full time and one part time Units. The activities of the Department are as follows :-

- | | |
|-------------------------------|---|
| (1) Indoor | (6) Diagnostic Centre. |
| (2) Daily Out-patient Service | (7) Childs Guidance Clinic |
| (3) Special Care O.P.D. | (8) Child Welfare Centre. |
| (4) Neonatal O.P.D. | (9) Teaching activities for under-graduates and post-graduates. |
| (5) School Clinic | (10) Research activities. |

Indoor :

Total Admissions 5,346.

O.P.D. Attendance 29,166.

Neonatal Ward :**Child Welfare Clinic :**

Milk Distribution 75 babies.

Home Visits 657.

Attendance by the mothers for the Classes 3,996.

Immunizations :

	1st	2nd	3rd	Booster
Triple Vaccine	860	442	383	247
Polio Vaccine	915	583	390	286

	New Cases	Old Cases	Total
(a) Child Guidance Clinic	357	240	597
(b) School Health Clinic	2,464	12,762	15,226
(c) Diagnostic Clinic	68	309	377

5. ANAESTHESIOLOGY :

The Department is running the anaesthesia, resuscitation and pain services. At present the following number of operation tables are working :-

B.Y.L. Nair Hospital	18	Bhagwati Hospital (Borivli)	2
Nair Dental	2	Bhajekar Hospital	1
E.N.T. Hospital, Fort	2	Bhabha Hospital (Kurla)	1

The number of anaesthesias this year at B. Y. L. Nair Hospital are as follows :-

General Surgery	4,510	Gynaec & Obst.	4,829
Orthopaedic		E. N. T.	2,413
Cardiac Surgery	91	Neuro-Surgery	412
Ophthalmic	150	Psychiatry	9,793
Peritoneoscopy (s'and by)	520	Radiology	104
Cardiac Catheters	50	Ward Calls	350

7. DEPARTMENT OF NEURO-SURGERY :

The O. P. D. functions twice a week Tuesday and Thursday :-

New Cases
Admissions
Operations

Ventriculography
Carotid Angiography
Myelogram
P. E. G.

8. RENAL MEDICAL UNIT :

Renal O. P. D. is conducted twice a week. Saturday is reserved for new registration and Wednesday is for follow up of old cases.

9. HYPERTENSION CLINIC :

Hypertension clinic is run every Tuesday at 11.15 a.m. During the year 70 new cases were seen. 8-10 follow-up cases attended O. P. D.

10. PLASTIC SURGERY :

The O. P. D. is conducted twice a week. 749 cases were seen during the year. In addition average 80-90 patients were seen every week for follow up treatment.

A project was carried out on " comparative study of different methods of treating Donar sites including the use of a transparent plastic seal".

At present the department is taking part in Burns Research Programme of Indian Council of Medical Research.

A study of effect of cortico-steroids on facial wounds is being carried out at present.

11. ENDOCRINOLOGY DEPARTMENT :

(i) Patients seen : 2,185

New—483 (Males—132 Female—351)

(ii) Patient's Samples collected :

Urine—559 Blood—1541 Semen—145

(iii) Various Laboratory Tests done during the year :

(a) Urine 1278.

(b) Blood—	(1) Plasma Receptor test for H. C. G.	..	845
	(2) Blood Lipids—Cholesterol	..	232
	—Triglycerides	..	154
	—Esterified fatty Acids	..	10
	—Blood sugar	..	145

(3) Blood : Liver Function Tests	..	694
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(4) Plasma Cortisol	..	467
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(5) Protein Bound Iodine in Blood	..	215
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(6) Sex Chromatin :	Oral	..	101
	Blood	..	101

(7) Blood samples collected for FSH, LH, 170 H Progesterone etc. to be done still	..	305
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(c) Semen Samples	..	145
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(d) Histopathology	..	390
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(e) Histochemistry	..	145
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(f) Biochemical Estimations in rat tissues with Intravas device.	..	187
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(g) Biochemical Estimation in human tissue—	..	
(Fallopian Tube)	..	47

(h) Pituitaries Collected	..	200
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12. NEUROLOGY DEPARTMENT :**CASE WORK LOAD :**

New Cases	..	790	Follow-up	..	1,810
Referred Cases	..	330	Admissions	..	222

(2) SPECIAL PROCEDURE ETC :

Carotid Angiograms	..	177	Arch Aortograms	..	16
Myelograms	..	50	Vertebral Angiograms	..	13
Tomograms	..	43	Spinal Angiograms	..	1
P. E. G.	..	39	Renal Angiograms	..	2
E. E. G.	..	616			

(3) SPECIAL PROJECTS :

Department of Neurology & Neurosciences have been asked to undertake a research project entitled on A Collaborative Study on (i) Stroke and (ii) Ischaemic heart disease in young subjects in India.

(13) AUDIOLOGY AND SPEECH THERAPY SCHOOL :**(1) Academic :—**

14 students were admitted in F. Y. B. Sc. (Audiology and Speech Therapy) Class. Out of 17 students who appeared for B. Sc. (Audiology & Speech Therapy) examination, 9 have passed. Result was 53%. Out of 15 students who appeared for F. Y. B. Sc. (Audiology & Speech Therapy) examination, 9 have passed. Result was 60%.

(2) Clinical :

(i) 3247 numbers of cases were seen as per statement attached.

(ii) During 1977, 132 hearing aids were issued free of cost to needy poor patients under Indo Danish Project. Since the inception of the project in 1971, 920 poor patients have been benefited. During the year, custom earmolds were also made for 298 patients. The poor patients are also being supplied cords and cells free of cost so that they can use the hearing aids to the maximum extent.

(3) School Children :-

70 children have been attending classes for the deaf at Agripada & Nana Chowk.

13 children have been integrated so far. 3 in Standard 3rd; 4 in Standard 2nd and 6 in Standard 1st; and are showing good progress.

The Children were taken for an Educational Outing at Aarey Milk Centre in the month of March.

Bilinda D'silva, a student, bagged the 2nd prize in the Elocution Competition for the deaf held by Lions Club of Bombay in February.

Sports day was held on the ground of Agripada School for the Deaf and the prizes were distributed on the same day in January.

(4) Cases seen :

Diagnosis	No. of Cases	Diagnosis	No. of Cases
Audiograms	2,347	Hard of Hearing	241
Mental Retardation	34	Dyslalia	88
Delayed Speech & Larynx	78	Stammering	223
Cerebral Palsy	19	Cleft Palate	14
Aphasia	20	Dysarthria	21
Nasality	11	Voice Disorder	71
Primary Hesitancy	15	Multiple Disorder	21
Laryngectomy	15	Confirmed	22
Normal	7		

14. PREVENTIVE AND SOCIAL MEDICINES :**(1) Services :-**

(a) Comprehensive Health Care was given to the Municipal Sweeper Community of Arthur Road thrice a week.

The record of Clinic attendance :

Clinic Sessions held	223
First visits	2,348
Re-visits	24

(b) Home Medical Care : The record.

Previous patients	5
New patients enrolled	8
Visiting days	81
Visits	320
Average No. of visits per day	3

(c) B. C. G. Vaccination.

B. C. G. vaccination was carried out on 2481 neonates and 2494 paediatric out patients and school clinic patients. Simultaneous smallpox vaccination was carried out on neonates by vaccinators from the Health Department of the Municipal Corporation.

(d) Health Supervision of School Children :-

Medical inspection of school children belonging to I to IV was continued and 802 children were examined.

The following activities were arranged in the community :-

(1) M. P. Mill Zopadpatty :-

(a) A cleanliness campaign was carried out with the help of the community leaders. The late Shri Krishanadas Shah participated in this campaign.

(b) Group work programme with women continued.

(c) 25 children were helped with milk powder for 60 days.

(2) M. P. Mill Chawls

(a) A thali competition to encourage nutritious diet was held in the Bhausahab Hire High School. The women participated in large numbers.

(b) Group work programme and Health talks with the women group continued.

(3) Cheetah Camp :

(1) Group work programme with teen-age girls of J. Sector was started and was a great success.

(2) Group work with women of J. & K sector has been continued.

(4) Immunisation Centre :

This centre is run twice a day, in Morning and afternoon. From January 1977 to December 1977, 1420 children were vaccinated with Triple Antigen and 1824 children were given Polio vaccine. 52 persons were vaccinated with D. T. and 33 persons were given T. A. B. and Anti Cholera vaccine.

(e) Research Projects :—

(a) Longitudinal study of growth and development.

Community Group		No. under observation	Total no. of visits	Average visit per infant or child.
Arthur Road	Infants	78	680	8.7
	Children	80	197	2.4
M. P. Mill	Infants	44	397	9.0
	Children	75	207	2.6
M. P. Mill	Infants	39	..	..
Zopadpatty	Children	62	..	..
Cheetah Camp	Infants	191	455	2.4
	Children	69	121	1.7

(b) Psycho-Social Studies on Coronary Heart Disease and Prospective Studies on University Professor.

The Records for 1977 are as follows :—

2 professors (New cases)

253 Professors (Old cases)

(f) Mobile Medical Relief to slum Communities :

The medical relief is carried out with the help of the van donated By. B. P. C. C. to this institutions. 10 communities were taken up in this project. 241706 patients were treated.

Immunisation Record :—

	Polio	Triple	T. T.	D. T.	TABC	B.C.G.	Small Pox
Total No. of patients immunised. . .	4734	2094	2068	2113	55	758	176

(g) Medical Relief to Mobile creche :

Medical relief to Mobile creche was stated on 1-2-1963. 1783 patients were treated & 1977. Vaccination was also carried out. 64 children were given oral polio vaccine and 22 children were given Triple Antigen and 7 children were given D. T. Vaccine. 33 children were given BCG vaccination and 405 were given Tetanus Toxoid.

(h) Balkalyan Kendra :

Immunisation Programme for children at Balkalyan Kendra was started on 25/10/1977. 461 children were given oral Polio vaccine and 417 were immunised with D. T. vaccine. Further programme of medical care and other services for these children is worked out.

(i) Urban Public Health Internship Programme.

Community Health Care to urban slum communities is carried out under this programme.

GASTROENTEROLOGY DEPARTMENT :

Medical : The OPD department functions twice a week. During the year 1087 out-patients and 635 Indoor patients have been attended. 3216 patients were asked to attend for regular follow up.

The other cases attended :—

(i) Routine Investigation

.. Blood—997; Urine—879;
.. Stool—1034.

(ii) Biochemical Investigations

.. Sugar—163; Urea—156.

Glucose Tolerance Test	..	5	Liver Function Test	..	228
Alkaline Phosphatase	..	292	Thymol Turbidity	..	228
Serum Bilirubin	..	237	Serum Proteins	..	132
Serum Cholesterol	..	12	Serum Calcium	..	26
Serum Phosphorus	..	25	Serum Amylase	..	22
Serum Electrolytes	..	10	Serum Creatinin	..	20
S. G. O. T.	..	198	S. G. P. T.	..	198
Prothrombin time and Index	..	98	Bromsurphathelin Test	..	64
V. D. R. L.	..	74	Augmented Histamine Test	..	364
Urine Calcium	..	1			

(iii) Special Investigation :

Sigmoidoscopy	..	570	Gastroscopy	..	60
Peritoneoscopy	..	60	Gastric Biopsy	..	119
Jejunal Biopsy	..	65	Liver Biopsy	..	141
Colon Biopsy	..	91	Oesophageal Biopsy	..	63
Duodenal Biopsy	..	..	Peritoneal Biopsy	..	3
Lymph Node Biopsy	..	4			

(iv) Absorption Test :

Faecal Fat	..	150	D-Xylose Excretion	..	150
Ca58B12 Absorption	..	162	Pancreatic Enzyme study.	..	51
Bile Collection	..	50	Intrinsic Factor Antibody	..	..
Intrinsic Factor	..	..	Serum Protein	..	..
Gastric D. N. A. Content	..	25	Electrophoresis	..	216
Agar Gel Electrophoresis	..	..	

16. DEPARTMENT OF CARDIOLOGY :

(i) Electrocardiograms taken disease wise during the year are as under :—

Diseases	Total	Diseases	Total
Coronary Thrombosis ..	975	Hypertension ..	790
Mitral Disease ..	515	Cor Pulmonale ..	132
C. C. Failure ..	180	Auricular Fibrillation ..	84
Angina Pectoris ..	147	Aortic Stenosis ..	76
Rheumatic Disease ..	114	Anaemia ..	86
Myocarditis ..	30	Pericarditis ..	31
A. S. D. ..	40	V. S. D. ..	60
P. D. A. ..	13	Fallot's Tetralogy ..	23
Heart Block ..	396	Diabetes ..	193
Pulmonary Stenosis ..	29	I. H. D. ..	526
Normal ..	5952	Pain in Chest ..	229
Miscellaneous ..	4221	Dextrocardia ..	15

(ii) Other Investigations :

Cardiac Catheterisation. ..	84	Vector-cardiogram ..	125
Treadmill Exercise Test. ..	50	Echocardiograms ..	703
Master's Test ..	25	Phonocardiogram ..	10
Oximeter Blood Test ..	528	Myocardial Infarction ..	400
		Follow up patients ..	400

17. OCCUPATIONAL THERAPY DEPARTMENT :**Analysis :**

Total No. of patients ..	7,322
Total No. of patient's attendance ..	81,314
New patients (O. P. D.) ..	1,631
New patients (Indoor) ..	2,052
Total No. of New patients (O. P. D. & Indoor) ..	3,683

Splints :

(a) Splint work has been increased considerably since Technician is appointed.

(b) Received Orthoplast Thermoplastic Splint material (Imported) from Messrs. Johnson & Johnson International U. S. A. through stores worth Rs. 2,200/-.

(c) Average splint 50 per month, where adoption cosmetic & functional hand splints are included

Sports :

(a) "Paraplegic Sports" on 17th & 18th December 1977 at Shivaji Park, eleven patients have taken part in the sports & represented our hospital.

(b) Patients have got fourteen prizes in the events arranged by "Paraplegic Foundation."

18. PHYSIOTHERAPY DEPARTMENT :**Work analysis for the year :**

Patient's attendance ..	4,354
New patients (O. P. D.) ..	2,992
New patients (Indoor) ..	1,828
Total No. of New patients ..	4,820

The department has sent paraplegics for the sports organised by Paraplegic Foundation at Shivaji Park. The participants won 14 medals.

19. DEPARTMENT OF OPHTHALMOLOGY (EYEBANK)

33 Keratoplasty operations were performed during the year.

Particulars	Male	Female	Children	Total
New Cases ..	40	10	1	51
Admissions ..	33	7	..	40
Operations ..	33	7	..	40

Special Clinics :

Squint & Glaucoma Clinics started from 1-10-1977 on Tuesday and Thursday between 2-00 p.m. to 4-00 p.m.

Squint Clinic :

New Cases	Old cases	Total
28	25	53

Glaucoma Clinic :

New Cases	Old Cases	Total
39	33	72

20. DIABETIC CLINIC

The following is OPD and Indoor attendance :

	(Thursday) 6-8 weeks	Total
(1) OPD attendance ..	300	1700
(2) Patients registered ..	..	200
(3) Referred cases ..	200	250
(4) Admission ..	250	..

21. HEALTH CENTRE :

491 patients attended the Health Centre during the year and Rs. 4,910/- was collected as fees.

22. GENITO URINARY :Total Number of operations performed—264
Operations with respect to different organs :—**(A) KIDNEY**

1. Nephrectomy ..	2
2. Partial Nephrectomy ..	1
3. Pyelolithotomy ..	7

(B) URETERS

1. Ureterolithotomy ..	2
2. Cystoscopy with ureteric catheterisation ..	1
3. Ascending Pyelography ..	7
4. Basking of stone ..	4

(C) BLADDER

1. Cystoscopy ..	73
2. Cystoscopic cystolithotomy ..	6
3. Suprapubic cystolithotomy ..	3
4. Suprapubic cystostomy ..	2
5. Cystoscopic Bladder neck resection ..	1

(D) PROSTATE

1. Prostatectomy ..	19
2. Transurethral resection of prostate ..	25
3. Prostatic Biopsy ..	6
4. ..	..

(E) URETHRA

1. Urethral Dilatation ..	61
2. Incision and Drainage of Periurethral abscess ..	2
3. Meatoplasty ..	2

(F) TESTIS' EPIDIDYMIS' VAS

1. Vaso epididymal anastomosis ..	11
2. Vaso vasa anastomosis ..	3
3. Testicular Biopsy ..	10
4. High Ligation ..	15
5. Vasectomy ..	1

23. THORACIC & CARDIOVASCULAR SURGERY :**I Cardiac Procedures—85****A. Closed Heart Procedures—55**

1. Mitral Commissurotomies ..	39	2. Pericardiectomies ..	5
3. Ligation or Division P.D.A. ..	5	4. Implantation pacemakers ..	5
5. Patch-grafting Co-art. ..	1		

B. Open Heart Procedures—30

1. V 1/2 replacement ..	13	2. Open Commissurotomies ..	2
Mitral ..	11		
Aortic ..	1		
Double (Aortic & Mitral) ..	1		
3. Closure A. S. D. ..	7	4. Closure V. S. D. ..	3
5. Total Correction of T.O.F. ..	2	6. Valvotomy for P. S. ..	1
7. Resection aneurysm of Ascending aorta & arch of aorta. ..	2		

II. Thoracic Procedures—66

1. Oesophagectomy with Oesophagostomy ..	6	2. Decortications ..	6
3. Mediastinal tumor ..	3	4. Lobectomies ..	2
5. Pneumonectomies ..	1	6. Plication eventration of diaphragm ..	2
7. Sympathectomies (Cervical) ..	3	8. Drainage Procedures ..	43

III. Vascular Procedures—24**IV. SCOPES & OTHER MINOR PROCEDURES—88**

Total	263
-------	-----

24. DERMATOLOGY AND VENEREOLOGY :**Attendance at O.P.D.****I—Infection—**

	New	Old
(a) Skin Infections	26,358	22,470
(b) V.D. Cases	5,179	4,806
(c) Total Infections	31,537	27,276
(d) Non-Infections	10,015	9,617
(e) Ratio of Infections Non Infections	5:1	
(f) Maximum attendance of one day	498	
(g) Total Attendance	41,552	36,893
(h) Grand Total of the year 1977	78,445	
(i) Grand total of the year 1976	69,755	

II—Inpatients—

Total	Abnormal findings
-------	-------------------

III—Investigations—

(i) Biopsies	221	All
(ii) Dark Ground Illumination	982	360
(iii) V.D.R.L.	5,543	1,049
(iv) Smear for Gonococci	980	759
(v) Smear for Donovan Bodies	48	32
(vi) Smear for Ducrei Bacilli	41	Nil
(vii) Smear for Lepra Bacilli	79	58
(viii) Smear for Fungus	2,479	1,794
(ix) Urine	535	274
(x) Steel	110	83
(xi) E.S.R.	197	152

IV—Photograph

197

V—Therapy—

(1) Superficial X-Ray	14
(2) Electre Desiccation	84
(3) Chemical Cautey	169
(4) Podophylline Application	149
(5) Intr lesional Hydrocortisone	142

VI—Medical Education—Lectures & Clinics as before.**25. PSYCHIATRY :**

Total admissions	928
Total deaths	1
New Cases	4,713
Total patients examined including Psychotherapy	47,030
Total number of ward references	297

26. ORTHOPAEDIC F.T. (I) :

The following academic activities were done in F.T. (I) Unit during the year—

(1) Routine work has been done regularly.

(2) External fixation of compound infected and communitied fractures of tibia is being treated with a new method of use of external fixation of the fractured fragments with polymethyl methacrylate (bone cement). This method obirates use of P.O.P., use of interval fixation and at the same time acilitates for movements minimising fracture disease without ccmpromising osteosynthesis.

(3) Clinical records and applications of bone cement on bounding substance and spacer is continued in relevant cases of cystic cavities of bones with or without pathological fracture.

We have ben using a self-looking total hip prosthesis for degenerative hip diseases. This prosthesis in dindigineously manufactured easy to implent and position and can be introduced by a posterior approach without osteotomy of greater trochanter. No special instruction is required.

26. PHARMACY DEPARTMENT :**(I) Dispensary :—**

Dispensary has dispensed 6,14,365 papers at out door and 526 case papers at indoor.

Stock items supplied to indoor, wards and theatres is 24,716.

Quantity of stocks prepared for indoor and outdoor patients is as given be low:—

Quantity of stock solution prepared .. .. .	..	Ltrs. 19153.500
No. of pre packs wrapped .. .. .	..	2,37,316
No. of powders wrapped .. .. .	..	59,127
No. of O.P.D. prescription dispensed where account is kept .. .. .	..	53,376
Prescriptions where special drug is issued and account is kept .. .. .	..	1,29,198
Syrup simplex .. .. .	..	Ltrs. 394.6

(2) Central Sterile Supply :—

The sterilization services are given to the All India Institute of Rehabilitation and Family planning centre at Bombay Central beside the services to the hospitals they do not have the sterilization facilities.

Production :—

(a) Preparations prepared	118
(b) Market cost	Rs. 15,39,888.37
(c) Preparation cost (This includes the cost of chemicals, breakages, consumable articles, machine repairs, machine depreciations, gas and electric consumption, cleaning fluid, general articles testing and average staff salary).	Rs. 6,14,033.72
(d) Savings	Rs. 9,25,852.65

(3) Quality Control :—

During the year January 1977 to December 1977 a Total No. of 41 types of sterile products splitted up in 2218 No. of batches manufactured by the pharmacy were tested, during processing and as final products. A Total No. of 20,277 tests were performed on the same and 20 batches rejected.

(4) Glass Blowing :—

The glass blower's services are given to the hospitals well as college side departments besides the pharmacy required articles which includes different type of connections to the Central Sterile Supply Service and manufacturing section.

(5) 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 theatres and Bhajekar Hospital.

27. 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 examinations.

710 undergraduate students (193 ladies) and 501 post-graduate students (127 ladies) were on the roll at the close of the year (107 students have also registered for diploma courses of the College of Physicians and Surgeons of Bombay through this college). Stopped from November 1976 onwards.

Class	Male	Female	Total
III M.B.B.S. III Term	24	4	28
III M.B.B.S. II Term	100	33	133
III M.B.B.S. I Term	14	5	19
III M.B.B.S. Casual	31	11	42
III M.B.B.S. Cond.	..	..	..
II M.B.B.S. III Term	93	35	123
II M.B.B.S. II Term	21	Nil.	21
II M.B.B.S. I Term	90	44	134
II M.B.B.S. Cond.	5	Nil.	5
I M.B.B.S. II Term	92	47	139
I M.B.B.S. Cond.	..	..	..
I M.B.B.S. Casual	8	..	8
I M.B.B.S. I Term	39	14	53
Total	517	193	710

Post Graduates :—

M.D. (All branches)	204	66	270
M.S. (All branches)	109	13	122
University Diploma D.A. DPH & C	45	16	61
C.P.S.	..	..	..
M.Sc. by papers & M.Sc. by research	13	18	31
D.M.L.T.	..	10	10
Ph.D.	2	5	7
Total	374	127	501

28. GYMKHANA ACTIVITIES :

All India Inter Medical' Delhi

- (1) (a) Men's Table Tennis—Runners—UP (Team).
(b) Raju Klumchandani Ex-partner—Winners Mens Doubles.
- (2) (a) Women's Badminton—Runners—UP (Team).
(b) Padmini Raut—Runners—UP—Women's Singles.
- (3) Elocution—Sabino Vellose—Best Speaker.
- (4) Swimming—All India Team Champions.
- | | | | | |
|-----------------------|---|-------|---|--------------------|
| 100 met. freestyle | } | 1 st. | } | Mr. Sharad Shenoy. |
| 200 met. freestyle | | | | |
| 100 met. butterfly | | | | |
| 1,500 met. freestyle | | | | |
| 100 backstroke | | | | |
| 100 breast stroke—2nd | | | | |
| Diving—2nd | | | | |
- 100 met. Backstroke—3rd—Mr. Ashok Patel.
100×4 Freestyle relay—1st.
100×4 medleg reley—2nd.
Best overall swimmer of the meet—Mr. Sharad Shenoy (3rd time in succession).
- (5) Best overall team in India (Throphy)—T.N.M.C.

All India Inter Medical—Hyderabad (Osmania)

- (1) (a) Women's Badminton—Winners team.
(b) Padmini Raut—Winner Women's Singles.
- (2) Swimming—
- | | | |
|---------------------------|---|-------------------|
| 100 met. freestyle—1st | } | Mr. Mohan Sohoni. |
| 100 met. backstroke—3rd | | |
| 4×100 met. freestyle—1st. | | |
| 4×100 met. mid-leg—2nd. | | |
| 1,500 met. freestyle—2nd | | Mr. Mohan Sohoni. |
| 100 met. backstroke—2nd | | Mr. Ashok Patel. |
- Best overall team—Swimming.
- (3) Carroms—Team championship.
- | | | |
|----------------------------------|---|----------|
| Mr. Manoj Mashru—Winner | } | Singles. |
| Mr. Mukul Parmar—Runners-up | | |
| Manoj Mashru and partner—Winner | } | Doubles |
| D.C. Patel & Partner—Runners-up. | | |
- (4) Table Tennis—
Raju Khubchandani & Partner—Winners doubles.

Bombay Inter Medical Dramatics

- (A) Marathi Drama—
Best drama award—"Aaj Tari Bhandshilna".
Best actor—Shri Shrikant Rao.
2nd best actor—Shri Sunil Gosavi.
- (B) Gujrati Drama—
Best drama award—"Hu Vallabh Nathi".
Best actor—Dhaval Shah.
3rd prize—Deviasa Doshi.
- (C) English Drama—
Best drama award—"A Marriage Proposal".
Best actor—Sabino Vellose.
Best actress—Smt. Avan Fromrose.
- T.N.M.C. won all the dramas and all the major awards.

Bombay Inter Colligate Sports (Swimming)

- | | | |
|-------------------------|---|--------------------|
| 100 met. freestyle—1st | } | Mr. Sharad Shenoy. |
| 100 met. butterfly—1st | | |
| 100 met. backstroke—2nd | | |
| 1500 met. freestyle—1st | | |
| 200 met. freestyle—1st | | |
| 100 met. backstroke—3rd | | Mr. Ashok Patel. |
- Men's best overall swimmer—Mr. Sharad Shenoy.
Inter Colligate Water Polh—Winners—T.N.M.C.

29. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY :

489 books have been added to the library during the year. Out of these, 159 were as donations.

The library subscribed to 269 periodicals as against 295 during the last year. 61 periodicals were received gratis from the publishers, the Honorary staff of the Hospital and others. The library had thus 330 current periodicals as against 390 during the last year.

73,588 books and periodicals were issued on the premises to the undergraduates, postgraduates, the teaching staff of the college and to the postgraduates, teachers and research workers from other institutions.

4,443 books and periodicals were issued for home reading to the teaching and resident staff of the Hospital and the College. The library had at the end of the year 22,173 books and 10,133 volumes.

30. NURSING :

The total number of student admitted in the year 1977 are 124.

The number of students appeared for midwifery examination are 69. All passed.

The number of students appeared for General Nursing Part-II examination are 55. 46 passed and 9 failed.

Smt. Amminibutty E.C. stood First in Midwifery in Maharashtra Nursing Council examination. Smt. Durgabai Apte Award Smt. Treena Philip was awarded. Dr. Vengsarkar prize for standing first in surgical Nursing.

Smt. Rosakutty Joseph and Gvacy P.D. were awarded Dr. Mohollas prize standing first in midwifery in the institution. Smt. Valsamma Kurian was awarded.

Dr. (Mrs.) Kekre's prize for stannng first in Anatomy and Physiology. Smt. Annamma Chacko was awarded Mrs. Kekre's prize.

Dr. A.L. Nair and M. Venkatrao memorial ward was given to the best nurse, Sister S.A. Rane and student's Elizabeth K.A. Smt. Usha Benagal and Smt. Seema Sarkar Rotary Club award to S/N K.A. Aleyamma Mayors award was awarded to Smt. T. John. The welfare Fund of the Nursing Staff arranged a picnic for Vihar Lake in the month of February. A variety entertainment in the month of May. A series of lectures were arranged as inservice, educational programme for the trained staff.

31. DR. BHAJEKAR MUNICIPAL HOSPITAL :

Dr. Bhajekar Hospital is under the direct control of Dean, Nair Hospital. During the year, 7,822 new cases were examined, 17,360 patients came for follow-up treatment, 1,203 patients were admitted for Indoor treatment.

DR. M.S. KERB,

Dean.

B. Y. L. Nair Chirtable Hospital

APPENDIX I.

Distribution of Beds according to Department and Sex.

Department.	Male.	Female.	Children.	Total.
Medical	111	39	..	150
Surgical	97	35	..	132
Gynaec	..	39	..	39
Obstetric	..	54	..	54
Premature	..	..	6	6
Ophthalmic	24	12	..	36
Pediatric	..	..	51	51
Skin and V. D.	12	4	..	16
E. N. T.	26	10	..	36
Orthopedic	30	12	..	42
Tuberculosis	19	5	..	24
Psychiatric	46	..	..	46
Cardiology	8	3	..	11
I. C. C. U.	6	..	..	6
Cardiac Surgery	4	2	..	6
I.C.C.U.	4	..	..	4
Thoracic	3	2	..	5
Neurology	14	2	..	16
Neuro-Surgery	13	4	..	17
Plastic Surgery	11	5	..	16
Gastroenterology (Medical)	12	4	..	16
Gastroenterology (Surgical)	3	2	..	5
Pediatric Surgery	..	..	2	2
Renal (Medical (Nephro))	3	2	..	5
Renal (Surgical)	1	1	..	2
Diabetic	3	2	..	5
Rheumatology	3	2	..	5
Tetanus	3	2	..	5
Genito-urinary	2	2	..	4
Side Row	10	10	..	20
Total	468	255	59	782

APPENDIX II

The number of accident cases treated.

Sex.	Treated in casualty Department.		Admitted through Casualty Department.		
	1976	1977	1976	1977	
Male	13,540	18,780	3,262	4,032	
Female	3,356	4,283	1,270	1,401	
Children	Male	3,064	4,500	858	1,045
	Female	1,372	1,900	507	501
Total	21,332	29,463	5,897	7,029	

APPENDIX III

Statement showing the details of Cost per day
Per In-Patient and Out-Patient.

Year	Diet	Drugs Dressing, etc.	Stores and Linen	Heating Lighting and repairs	Establishment	Total
	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.
<i>In-patient</i>						
1977	3.30	12.16	1.65	2.90	23.18	43.19
1976	3.52	13.30	1.26	2.87	20.16	41.36
<i>Out-patient</i>						
1977	..	6.08	0.51	0.21	2.60	9.40
1976	..	2.66	0.37	0.22	2.41	5.65

APPENDIX No. IV

Statement showing the Out-Patients (New O.P.D., Casualty) in the B.Y.L. Nair Charitable Hospital during the year. 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	54243	24900	..	..	79143	1139	585	..	..	1724
Surgical	30787	8720	6080	3214	48801	14147	2842	3349	1375	21713
Ophthalmic	7213	3482	759	576	12030	380	25	44	12	461
Gynaec	..	8484	..	..	8484	..	18	..	4	22
Skin and V. D.	20233	6441	6837	4969	38480	51	5	1	1	58
Aural	8695	5342	2953	2379	19369	188	40	66	32	326
Orthopaedic	7203	4141	1161	665	13170	2546	598	709	286	4139
Paediatric	..	..	16152	12607	28759	..	..	241	166	407
Maternity	..	4923	..	..	4923	..	102	..	..	102
T. B.	1507	515	..	..	2022	17	2	..	..	19
Cardiology (Med.)	382	257	73	38	750	..	..	..	1	1
Gastroenterology	334	115	2	2	453	..	..	..	..	..
Psychiatry	1790	1134	75	50	3049	15	4	1	..	20
Preventive and Soc. Medicine	..	2	1	..	3	..	..	..	..	..
Rheumatic and Col. Disease	5	20	..	..	25	..	..	..	..	..
Neuro-Surgery	175	90	41	15	321	20	4	3	2	29
Neurology	172	70	25	13	280	3	..	1	..	4
Plastic Surgery	143	88	39	34	304	102	17	22	9	150
Gastroenterology Surgical Service	8	3	..	..	11	..	..	..	..	..
Renal Surgery	34	26	3	2	65	..	..	..	..	..
Genito-urinary Surgical Service	44	1	1	..	46	..	..	..	..	..
Thyroid Surgery	40	145	2	3	190	..	..	..	..	..
Anti Rabic	1221	291	480	151	2143	172	41	63	11	287
New Born	..	..	..	..	..	..	..	..	..	..
Diabetic	87	74	..	..	161	..	..	..	..	..
Paediatric Surgery	..	..	1	..	1	..	..	..	..	..
Haematology	43	30	4	3	80	..	..	..	1	1
Special Care	..	..	417	315	732	..	..	..	..	..
Thoracic Surgery	..	..	3	..	..	..	..	..	..	..
Hypertension	2	2	..	..	4	..	..	..	..	..
Cardiology (S.)	..	..	..	..	..	..	..	..	..	..
Asthma	..	19	1	1	59	..	..	..	..	..
Total	134399	69315	35107	25037	263858	18780	4283	4500	1900	29463

APPENDIX No. V

Summary of In-Patient Classified According to Department and Sex

Department	SEX	In the hospital on mid-night of 31-12-1976	Admitted during the year	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1977
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Medical	Male ..	172	7793	7965	2683	4000	648	200
	Female ..	93	3745	3838	1380	1920	282	91
	Total ..	265	11538	11803	4063	5920	930	291
Surgical	Male ..	128	6940	7066	2200	3123	317	173
	Female ..	49	2010	2059	878	833	134	48
	Male child ..	7	1201	1208	826	239	42	14
	Female child ..	6	576	482	408	104	26	9
	Total ..	190	10627	10817	4312	4299	519	244
Ophthalmic	Male ..	22	528	550	501	51	1	15
	Female ..	13	315	328	218	78	1	9
	Male child ..	...	52	52	40	7	..	1
	Female child ..	...	25	25	25	2	..	..
	Total ..	35	920	955	784	138	2	25
Gynaec	Female ..	40	1785	1825	1114	715	13	40
	Female child ..	..	4	4	3	..	..	..
	Total ..	40	1789	1829	1117	715	13	40
Skin & V. D.	Male ..	7	126	133	94	6	2	6
	Female ..	3	24	27	18	5	1	4
	Male child ..	..	12	12	5	..	1	..
	Female child ..	..	7	7	4	..	..	..
	Total ..	10	169	179	121	11	4	10
E. N. T.	Male ..	30	1085	1115	619	315	27	9
	Female ..	16	821	837	787	45	8	5
	Male child ..	7	454	461	516	..	1	1
	Female child ..	8	487	495	546	17	1	1
	Total ..	61	2847	2908	2458	377	37	16
Orthopedic	Male ..	99	1832	1931	110	1410	31	136
	Female ..	63	715	778	53	627	19	36
	Male child ..	20	432	452	43	388	2	33
	Female child ..	6	201	207	41	196	1	5
	Total ..	188	3180	3368	247	2621	53	210
Paediatric	Male Child ..	39	3137	3176	2589	130	313	56
	Female Child ..	28	2414	2442	1823	144	261	32
	Total ..	67	5551	5618	4412	274	574	88
Maternity	Female ..	74	6355	6429	..	6207	12	87
	Total ..	74	6355	6429	..	6207	12	87
T. B.	Male ..	25	865	890	..	770	62	15
	Female ..	4	216	220	..	165	12	5
	Total ..	29	1081	1110	..	935	74	20
Cardiology	Male ..	9	155	164	..	168	13	6
	Female ..	4	74	78	..	64	3	4
	Male child ..	7	7	7	..	15	2	..
	Female child ..	...	9	9	..	7	1	..
	Total ..	13	245	258	..	254	19	10
Gastro-enterology (Medical)	Male ..	9	285	294	..	183	6	11
	Female ..	1	105	106	..	78	1	2
	Male child ..	...	1	1	..	4	..	..
	Female child ..	...	1	1	..	3	..	..
	Total ..	10	392	402	..	268	7	13

Department	SEX	In the hospital on mid-night of 31-12-1976	Admitted during the year	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1977	
					Cured	Otherwise			
1	2	3	4	5	6	7	8	9	
Renal Surgery	Male	..	13	13	..	1	..	..
	Female	..	4	4	..	1	..	..
	Male Child	..	2	2	..	..	..	..
	Total	..	19	19	..	2	..	..
Cardiac Surgery	Male	..	5	17	..	13	5	..	
	Female	..	4	12	..	6	8	..	
	Male child	..	..	5	..	7	..	..
	Female child	..	..	2	..	4	..	..
	Total	..	9	36	45	..	30	13	..
Psychiatric	Male	..	23	547	570	13	400	1	30
	Female	..	13	290	303	8	45	..	15
	Male child	..	..	11	11	..	5	..	..
	Female child	..	..	9	9	..	2	..	..
	Total	..	36	857	893	21	452	1	45
Rheumatic & Collagen Diseases.	Male	..	3	3	..	2	..	..
	Female	..	2	2	..	..	..	..
	Female child	..	1	1	..	2	..	..
	Total	..	..	6	6	..	4	..	..
Neurology	Male	..	8	114	122	..	56	10	12
	Female	..	3	49	52	..	31	8	6
	Male child	..	..	12	12	..	2	..	..
	Female child	..	..	2	2	..	3	..	..
	Total	..	11	177	188	..	92	18	18
Neuro-Surgery	Male	..	9	139	148	..	96	13	10
	Female	..	4	61	65	..	40	5	3
	Male child	..	1	33	34	..	17	10	1
	Female child	..	..	24	24	..	9	3	..
	Total	..	14	257	271	..	162	37	14
Plastic Surgery	Male	..	10	143	153	..	129	..	7
	Female	..	..	53	53	..	32	1	..
	Male child	..	..	66	66	..	28	..	..
	Female child	..	2	29	31	..	..	..	1
	Total	..	12	291	303	..	258	1	8
Gastroenterology Surgical Service.	Male	..	2	16	18	6	26	..	10
	Female	..	4	7	11	..	1	..	..
	Total	..	6	23	29	6	27	..	10
Thoracic Surgery	Male	..	..	..	..	..	2	..	..
	Male child	..	1	1	1	..	2	..	..
	Total	..	1	1	1	..	4	..	..
Genito-Urinary Surgical Service.	Male	..	..	7	7	..	13	..	..
	Female	..	..	..	..	..	1	..	..
	Total	..	..	7	7	..	14	..	..
Thyroid Surgery	Male	..	..	2	2	..	2	..	..
	Female	..	..	1	1	..	4	..	..
	Total	..	..	3	3	..	6	..	..
Diabetic	Male	..	..	50	50	..	13	..	7
	Female	..	..	13	13	..	9	..	..
	Total	..	..	63	63	..	22	..	7
Haematology	Male	..	..	43	43	..	28	..	1
	Female	..	..	20	20	..	12	..	1
	Male child	..	..	2	2	..	2	1	..
	Female child	..	..	1	1	..	..	..	..
	Total	..	..	66	66	..	42	4	2
Grand Total	..	1070	46500	47570	17621	23668	2305	1171	

APPENDIX VI.

University and College Prizes.

Serial No.	Name of the Student	Name of the Prize Awarded
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(A) COLLEGE PRIZES

For I M.B.B.S. Examination October 1977

1	Smt. Hegde C.V. and Smt. Varerkar I.N. (Equally shared)	(i) Dr. D.D. Variaya's Prize. (ii) Dr. D.D. Sathye's Prize.
2	Smt. Varerkar I.N.	Dr. S.B. Parchure's Prize.
3	Smt. Varerkar I.N.	(i) Dr. A.L. Adiga Prize. (ii) Mahatma Gandhi Memorial Prize.

For III M.B.B.S. Examination October 1977

1	Smt. Thomas S.T.	(1) Dr. P.F. Soonawalla Gold Medal. (2) Dr. A.L. Nair and M. Venkatrao Prize.
2	(1) Smt. D'mello S.E. (2) Smt. Damkevala D. P. (Equally shared). Smt. Pandit A.R.	(2) Dr. A.L. Nair and M. Venkatrao Prize. (1) Dr. D.B. Pandya's Prize. (2) Smt. Gopikabai Narayan Karande's Prize. (3) Dr. A.L. Nair and M. Venkatrao Prize.
	Smt. Pandit A.R. Smt. D'mello S.E.	(1) Snehalrani Ranade Prize for girls students. Dr. Parab Memorial Prize.

(B) UNIVERSITY PRIZES

For III M.B.B.S. Examination November 1977

1	Smt. Pandit A.R.	(1) The Bai Bachubai Pherozshah Vakil Prize. (2) Dr. Shantabai Vora Prize. (3) The Balkrishna Sudamji Prize.
2	Dr. (Smt.) Sabnam A. A. Shaikh	Dr. Maxmadan Nerbheram Desai Prize.

APPENDIX No. VII

Results of the University Examination held in April/May 77 and October/November 1977.

Examination	April/May 1977.			October/November 1977.		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
I M. B. B. S.	27	19	70	143	136	95
II M.B.B.S.	148	127	86	40	32	80
III M.B.B.S.	70	57	72	120	87	73
M. D. (all branches)	85	30	8	81	31	38
M. S. (all Branches)	37	17	46	37	19	51
University Dep. D.A., D.P.H.&C.	25	6	24	19	13	68
D. M. L. T.	8	6	75	1	1	100
M.Sc. (By papers)	12	4	35	...	...	...

APPENDIX VIII

List of Publications and Papers read

Doctor	Subject	Particulars where published
(1) Neurology		
Dr. P.M. Dalal Dr. S.S. Gholkar	Tuberculosis of the Nervous System	Jr. Assoc. Phys. Ind. Vol. 25, Nov. 1977. 789-799.
Dr. P.M. Dalal	Recent Advances in Neurology	'Meductaion Service' booklet on 'Recent Advances in Medicine', Published by Hoechst Pharmaceuticals Ltd., 39, 1977.
Dr. P.M. Dalal	Strokes in the Young	W.H.O. meeting in Neurosciences at Abidjan, March 28 to April 3, 1977
Dr. P.M. Dalal	Prof. J.N. Berry Memorial oration	Nagpur, July 1977.
Dr. P.M. Dalal	Sixth International Conference on Cardiac.	Rehabilitation in Cairo (Egypt) September, 1977.
Dr. P.M. Dalal	Neurological Society of India	27th Annual Conference at Poona, December, 1977.
Dr. P.M. Dalal	26th M.P. State Annual Medical Conference and Workshop on Recent Advances in Medicine.	Sponsored by Indian Medical Association of Physicians of India Jabalpur Branch, Jabalpur, November, 1977.
Dr. P.M. Dalal	Prof. Survir Singh Oration	Udaipur, December, 1977.
Dr. P.U. Shah	Febrile Convulsions Study of 76 cases.	16th Annual Conference at Neurological Society of India at Jaipur.
(2) Anashtesiology		
Dr. V.M. Divekar Dr. Bhargava K.P. Dr. K.C. Gadre.	An Usual complication of endotracheal intubation.	Ind. J. Anaesth. 1977—Vol. 25, 1950.
Dr. I.P. Kavadia Dr. U.M. Prabhakar	Comparitive studies in labour analgesia using trichloroethylene air, nitrous oxide Oxygen and methoxy flurane air in Indian patients 1977.	Ind. J. Anaesth. 25.
Dr. D. Dasgupta Dr. V.M. Divekar.	Anaesthetic accident	Asian, Arch. Anaesth 1977, VII, 2.
Dr. J.S. Anand	Morphine & Heart	Surgery in the tropics May 1977.
Dr. S.S. Mehta Dr. I.P. Kavadia Dr. P.J. Thakker.	Anaesthetic problems and their management in head, neck and E.N.T. Surgery.	Indian J. Anaesthesia, 1977, 251
Dr. D. Dasgupta Dr. S. Dikshit Dr. V.M. Divekar.	Ketamine Hydrochloride and Squint Surgery.	Asian Archives of Anaesthesiology and Resuscitation Vol. VII No. 2, October 1977.
(3) Pathology and Microbiology		
Dr. S.R. Prabhu	Infantile hemangioendothelioma of liver.	Indian Journal of Cancer, December 1977.
Dr. S.R. Prabhu	Hepato-Splenic Schistosomiasis	26th Annual Conference of Indian Association of Pathologists and Microbiologists, at Dibrugarh in December 1977.
(4) Medicine		
Dr. S.S. Jha	Motivation in Family Planning	Bulletin of Indian Federation of Medical guilds January 1977.
Dr. S.S. Jha	Tetanus	Home life August 1977.
Dr. S.S. Jha	Training in Community Medicine a recommended curriculum.	VIIIth Annual Conference of Indian Association of Preventive and social Medicine Kanpur January 1977.
Dr. S.S. Jha	Follow up of women medical graduates of Bombay University.	A.M.W.I. meeting April 1977.
Dr. S.S. Jha	Medical education at symposium of medical education.	Jaihind College, September 1977.
Dr. G. Kothari	Industry Profession and Social Welfare.	53rd, All India Medical Conference December 1977.

Doctor	Subject	Particulars where published
(5) Surgery		
Dr. B.R. Kalke	Current Trends in Specialities in Surgery— (i) Cardiovascular Surgery Session on 'Role of Surgery in Rheumatic Heart Disease'. (ii) Paediatric Surgery Session on 'Surgery of Congenital Malformations in Neonates and Infants'. (iii) Urology Session on 'Lower Urinary Tract Obstruction' and (iv) Plastic Surgery Session on 'Plastic Surgery of Trauma'.	Golden Jubilee Research Foundation of the T.N. Medical College and B.Y.L. Nair Ch. Hospital.
Dr. B.R. Kalke	Surgery for Rheumatic Mitral and Tricuspid valvular Disease.	Golden Jubilee Research Foundation of the T.N. Medical College and B.Y.L. Nair Charitable Hospital.
Dr. J.M. Desai	Complications of Surgery (for Rheumatic Heart Disease), their Prevention and Management.	Golden Jubilee Research Foundation of the T.N. Medical College and B.Y.L. Nair Charitable Hospital
Dr. B.R. Kalke	(i) Surgical Management of Coarctation of Aorta. (ii) Surgical Management of Anomalous Right Subclavian Artery a New Surgical Approach.	Quarterly Meeting of the Staff Society of T.N. Medical College and Nair Hospital.
(6) Plastic Surgery		
Dr. S.M. Mahalaxmi-wala.	Thumb reconstruction and Maxillo-facial injuries.	First conference of the Golden Jubilee Research foundation on 'Current trends in specialities in surgery'.
(7) Psychiatry		
	Impact on sex life after MTP	Annual west Zone Conference Baroda 1977
	Prospective Psychosocial study of Alcoholism.	Annual West Zone Conference Baroda 1977
	Longitudinal study of 10 years on Educational achievement in Mental Retardation	Aisan Conference on Mental Retardation Bangalore 1977.
	Impact of Socio-economic factors on mental and motor milestones in early infancy.	Asian Conference on Mental Retardation Bangalore 1977
	Future trends in Rehabilitation of mentally ill	A. F. M. I.
(8) Gynaec and Obsteric		
Dr. S. K. Joshi	A case report of dribbling of urine stimulating V.V.F. in a teen age girl	Journal of Obst. & Gyn. of India December 1977
Dr. S. S. Thakur	Medical termination of pregnancy	Journal of Obst. & Gyn. of India XXVII P 203-206, 1977
Dr. (Mrs.) R. N. Merchant	Conservative Approach to Tubal Pregnancy	Journal of Obstetrics & Gynaecology of India Vol. XXVII, No. 3, Page 445
Dr. (Mrs.) R. N. Merchant	Laparoscopy-Its Benefits and Dangers	Indian Journal of Obst. & Gynaec.
Dr. M. Y. Raval	A case report of dribbling of urine stimulating V.V.F. in a teen age girl	Journal of Obst. & Gyn. India December 1977
Dr. S. K. Joshi	Fertility & Sterility	I First Asiatic Congress held in Bombay
Dr. S. K. Joshi		II & Vth Annual Conference of Bombay Obst. & Gyn. Society.
Dr. S. K. Joshi		III & Vth Annual Conference of I. M. A.

Doctor	Subject	Particulars wherepublished
Dr. S. K. Joshi	(i) Laparoscopy & H. S. G. in fertility. (ii) M. T. P. And Contraception (iii) Septic Abortion Intensive Management (iv) Tuberculosis Endometritis (v) Comparative study of 10% & 20% Saline in M. T. P.	Third Conference Gujarat State
Dr. S. S. Thakur		25th Annual Conf. of the American College of Obst. Gynaecologist in Chicago U. S. A. 7th to 12th May 1977.
Dr. S. S. Thakur		International College of Surgeons, Conf. at Udaipur 28th to 30th October 1977.
Dr. S. S. Thakur		Annual Conference of the Bombay Obst. & Gyn. Society June 1977.
Dr. (Mrs.) S. K. Shah	Role of Thyroid in female sterility	1st Asian Congress of fertility and Sterility in February 1977.
Dr. (Mrs.) R. N. Merchant		First Asian Congress of Fertility and Sterility in Bombay between 20th to 25th February 1977.
Dr. (Mrs.) R. N. Merchant	Imparted training in Tubopsaty and Laparoscopy	Pre-Congress Advanced Training Course in Fertility and Sterility held on 27th to 19th February 1977 at Bombay.
Dr. (Mrs.) R. N. Merchant	Laparoscopy in Gynaecological Conditions—Its Benefits and Dangers	First Asian Congress of Fertility and Sterility in Bombay Feb. 1977
Dr. (Mrs.) R. N. Merchant	Co-Chairman at the Scientific Session on Female Infertility	First Asian Congress of Fertility and Sterility Bombay Feb. 1977
	Use of Sparteine Sulphate and I. V. Oxytocin drip for Acceleration of Induction of labour	Fifth Annual Conference of Bombay Obst. Gyn. Society, June 1977.
	Recent Trends in Fertility and Infertility	National Intergrated Medical Association Bombay branch
	Social Medical and demographic Implications of M. T. P.	First Indo U. S. Seminar on Fertility and Sterility at Bombay 26th November 1977.
	Laparoscopy its benefits and dangers	Staff Society of B. Y. L. Nair Ch. Hospital
	Merchant's Copper IUD 250	ICMR, June 1977
(9) Ophthalmology (Eye-Bank)		
Dr. Miss G. Krishnamurthy	Unilateral multiple development anomalies of the lacrimal passage An encysted lacrimal mucocoele with abital extension Surgical Management of lens subluxation in Homocystinuria	Journal of Pediatric Ophthalmology (in press) Indian Journal of Optth. Vol. 25 III,40 1977. Journal of Paediatric Ophth. (in press)
(10) Endocrinology		
Dr. S. M. Shahani	The role of Artiffical Insemination in infertility	Journal of Obst. and Gyn. of India on 20th January 1977.
Dr. S. M. Shahani	Clomiphence Citrate in infertility and Anovulation (1) Use of Radio Receptor Assary for hCG in control of female fertility. (2) Morphological and Histochemical changes in the Epididymus of normal and azospermic males. (3) The role of Artiffical insemination in infertility	Journal of Obst. and Gyn. of India on 6th April 1977. First Asian Congress of Fertility and sterility at Bombay from 19th to 23rd February 1977.
	Maternal and Foetal Plasma Cortisol levels in normal and abnormal labour,	Stree in Health and Diseases at Varanshi from 28th February to 4th Mar h 1977,
Dr. S. M. Shhani	Co-moderator of seminar on "Role of Cytology in contraception"	VII Annual meeting of Academy of Cytologists at Calcutta on 30th and 31st October 1977.

Doctor	Subject	Particulars where published
Dr. S. M. Shahani	Radio Receptor Test for hCG in women practicing contraception	The Federation of Indian Societies of Endocrinology 4th to 7th November 1977 at Lucknow.
(10) Anatomy		
	Testicular Biopsy following Vasectomy and Post testicular obstruction and Histological and Histochemical Studies on undescended testis.	First Asian Congress of Fertility and Sterility
	Testicular Biopsy Histological and Histochemical Studies—	Staff Society Meeting
(11) Paediatrics		
Dr. P. M. Pai Dr. V. R. Ambige Dr. S. S. Bandodkar	Factors affecting gastric PH in unfed neonates.	XV International Congress of Pediatrics New Delhi, October 1977.
Dr. P. M. Pai Dr. B. G. Bhalekar	Paralytic Polio in immunised children	XV International Congress of Pediatrics, New Delhi, October 1977
Dr. S. M. Lokeshwar Dr. P. M. Pai	Mortality in Pediatric wards—a time oriented perspective	XV International Congress of Pediatrics, New Delhi, October 1977.
Dr. S. M. Lokeshwar Dr. M. S. Baldwa Dr. P. M. Pai	Serum proteins in newborns	XV International Congress of Pediatrics, New Delhi, October 1977.
Dr. R. Khanna Dr. P. M. Pai	Effects of B. C. G. on Morbidity and Mortality of T. B. meningitis	XV International Congress of Pediatrics New Delhi, October 1977.
Dr. P. R. Parekh Dr. K. A. Joonas Dr. P. M. Pai	Prolonged pyrexia in children	XV International Congress of Pediatrics, New Delhi, Oct. 77.
Dr. P. R. Parekh Dr. P. M. Pai	Unconscious Child	XV International Congress of Pediatrics, New Delhi, October 1977.
Dr. P. M. Pai Dr. V. A. Patwari	Mortality and Morbidity of diphtheria	XV International Congress Pediatrics, New Delhi, October 1977.
Dr. P. M. Pai Dr. V. A. Patwari	Clinical study of diphtheria	XV International Congress of Pediatrics, New Delhi October 1977.
Dr. M. P. Anand Dr. R. K. Anand Dr. R. P. Agarwal Dr. R. K. Anand	Rural mass immunisation	XV International Congress of Pediatrics, New Delhi, October 1977.
	Follow-up of Intercountry adoption	XV International congress of pediatrics, New Delhi, October 1977.
Dr. R.D. Potdar	Cultural component of longitudinal growth in children.	XV International Congress of Pediatrics, New Delhi, October 1977.
Dr. R. Khanna Dr. P.M. Pai Dr. Mohan Easow.	Changing Outlook in empyema in pediatric practice.	International cardiopulmonary symposium, November 1977.
Dr. M.M. K-kre Dr. R. Khanna	Cardio-pulmonary	International Cardio Pulmonary symposium November 1977.
(12) Preventive and Social Medicine		
Dr. S.S. Jha	(1) Training in Community Medicine a recommended curriculum.	VIIth Annual Conference of Indian Association of Preventive and Social Medicine Kanpur January 1977.
	(2) Follow up of women medical graduates of Bombay University.	A.M.WI meeting April 1977.
	(3) Medical education	Symposium of medical education Jaipur College, September 1977.
Dr. G. Kothari	Industry Profession and Social Welfare.	53rd All India Medical Conference December 1977.
Dr. S.S. Jha	(1) Motivation in Family planning	Bulletin of Indian Federation of Medical guilds January 1977.
	(2) Tetanus	Home life August 1977.

Doctor	Subject	Particulars where published
(13) Medical		
Dr. V.R. Joshi Dr. R.D. Lele Dr. A.R. Virani Dr. H.K. Nagarwala Dr. P.K. Pispati Dr. M.M. Desai.	.. Steroid sparing action of flurbiprofen use of an additional parameter of joint scans with 99m technetium.	Current Med. Res. & Opinion, Vol. 5—No. 1, 1977 (Supply issue) pages 43:1977.)
Dr. R.D. Lele Dr. D.J. Mehta Dr. V.R. Joshi Dr. R.K. Hukko.	.. Gastrointestinal iron absorption and iron profile studies with Shadow shield whole body counter.	Jour. Assc. of Phy. Ind. Vol. 25—No. 9 601-604, 1977.
Dr. A.R. Chogle Dr. B.N. Sawant Dr. R. F. Almeida Dr. J. V. Pai.—Dhungat Dr. S.G. Daftary Dr. V.R. Joshi	.. Pulmonary A.V. Fistula a case report	Ind. Jour. Vol. 29 : 283-286, No. 5 1977.
Dr. V.R. Joshi Dr. A.V. Kamat	.. Immunology of Transplantation	Jour J.J. Group of Hospitals and G.M. College. Vol. XXII No. 4 184-193, 1977.
(14) Genito Urinary		
Dr. K.C. Mehta	.. Endoscopic Treatment of Urolithiasis.	Annual Meeting of International College of Surgeons at Udaipur.
Dr. K.C. Mehta	.. Male sterility and chronic prostate	Annual Conference of the Association of Surgeons of India (Urology Section) at Poona.
Dr. S.K. Bhansali	.. Abdominal Tuberculosis	American Journal of Gastroenterology, February 1977.
Dr. S.K. Bhansali	.. Cholodochotomy—An appraisal of 54 ductal explorations in 159 cholecystectomies.	37th Annual conference of Association of Surgeons of India at Madras December 1977.
Dr. S.K. Bhansali	.. Future Projection on Cancer diagnosis and treatment.	Annual Conference of Association of Surgeons of India, Madurai 1977.
(15) Physiology		
Dr. (Smt.) V.G. Parulkar.	A study in the profile of the present day Indian medical student.	Ind. J. of med. Ed., July-December 1975 Vol. XIV, No. 2.
Dr. (Smt.) M.J. Barua	Preliminary studies in skinfold measurements of vegetarians and non-vegetarians.	XXIIIrd Annual Conference of Association of Physiologists and Pharmacologists in Madras.
Dr. (Smt.) P. Balasubramaniam (Co-authors Dr. J.V. Bhatt Dr. V.G. Parulkar).	Assessment of Physical fitness (Fitness Index and Valsalva's Ratio) and their correction with body parameters.	XXIIIrd Annual Conference of Association of Physiology and Pharmacologists and Pharmacologists in Madras.
Dr. (Smt.) H.P. Pispati (Co-authors Dr. J.V. Bhatt Dr. V.G. Parulkar).	Some observations on colour blindness.	XXIIIrd Annual Conference of Association of Physiologists and Pharmacologists in Madras.
(16) Pharmacology		
	Seminal Fructose, Citric Acid and Phosphatase levels and their relation to the Sperm count in man.	Ind'ian Journal of Physiology and Pharmacology Vol. 21, P-186-190, 1977.
Prof. R.S. Satoskar		Annual Conference of society of Nuclear Medicine at Trivandrum for 27th October to 29th October 1977.
Prof. R.S. Satoskar		National Seminar on Radioimmunoassays by Department of Atomic Energy and World Health Organisation, held at Radiation Medicine Centre, Bombay.
Dr. D.A. Joseph Prof. J.C. Bijlani	.. (1) Preclinical methods to evaluate drug addiction. .. (2) Preliminary studies on the antidepressant activity of tetramisole.	Annual Conference of Association of Physiologists and Pharmacologists at Madras in December 1977.

APPENDIX IX

List of Research Work

Doctor	Subject
(1) Anatomy	
Dr. E.J. De Souza	(1) Special exfoliative cytology including the use of Tetracycline fluorescence for exclusion of Malignancy.
Dr. E.J. De Souza and Mr. Miranda & Asstt. Professors and Lectures.	(2) Enzyme Histochemistry.
Dr. E.J. De Souza	(3) Enzyme Histochemistry research in dept with particular reference to Succinate dehydrogenase.
Dr. E.J. De Souza and Mrs. Nimkar.	(4) Histochemical and Histological studies including Enzyme Histochemistry on young developing male rats.
Dr. E.J. De Souza and Dr. Soonawala and Dr. Miss Lal	(5) Testicular Biopsy studies particularly on Post Vasectomy Post testicular obstruction and in undescended testis.
Dr. E. J. De Souza & Miss Lobo.	(6) Enzyme Histochemistry in Fungi.
Dr. E.J. De Souza and Dr. Mrs. Puri and Dr. (Mrs.) Shejwalkar.	(7) Preliminary pilot research projects for experimental histology
(2) Biochemistry	
	(1) Lipid studies in Nephrotic Syndrome.
	(2) Physiological and Biochemical studies of smokers in health and diseases.
	(3) Food proteins as allergens.
	(4) Studies of Provitamins and Vitamin 'A'.
	(5) Biochemical study of inflammatory changes with special reference to certain enzymes.
	(6) Estimations of serum and urinary amino acids in—
	(1) Infective Hepatitis.
	(2) Hepatic Coma.
	(7) Studies in protein caloric malnutrition and its relation to thyroid function.
	(8) Studies of Alkaline phosphatase and Lactate dehydrogenase isoenzymes in health and diseases.
	(9) Nutritive value of Townsville stylosanthes and its species during various stages of growth.
(3) Gastroenterology	
	(1) Pancreatic enzymes in Diabetes Mellitus.
	(2) Epidemiological studies in viral hepatitis.
	(3) Absorption studies in viral hepatitis.
	(4) Histological and functional studies of the stomach in viral hepatitis.
(4) Gynaece and Obstetric	
Dr. S.K. Joshi, Prof. and Head of Obst. & Gyn.	(1) Cytology screening of women for early Ca cx, cervical dysplasia and other malignancies.
	(2) Laparoscopic study of infertility.
	(3) Cryosurgery for cervical erosion.
	(4) Copper-T as contraceptive.
	(5) Induction of abortion after 12 weeks by 10% IAS.
	(6) Inhibition of Lactation by pyridoxine in post partum period.
Dr. (Mrs.) S.K. Shah	During the year,
	(1) Partograms in normal labour.
	(2) Value of M.C.H.C. Index in high risk pregnancy.
Dr. S.K. Shah	(3) Sequelae of tubeligation long term follow up study.
Dr. M.Y. Raval	(1) Cytology screening of women for early Ca Cx, cervical dysplasia and other malignancies.
	(2) Laparoscopic study of infertility.
	(3) Cryosurgery for cervical erosion.
	(4) Copper-T as contraceptive.
	(5) Induction of abortion after 12 weeks by 10% IAS.
	(6) Inhibition of Lactation by pyridoxine in post partum period.
(5) Genito-urinary	
	(1) Bilateral High Ligation in the treatment of Oligospermia without Varicoceal.

Doctor	Subject
	(6) Anaesthesiology
Dr. Trivedi	(1) Clinical Trials with Ethrane—a new inhalation agent.
	(2) Scavenging systems in the operating room to reduce pollution.
	(3) Reaction time in anaesthetists exposed to vapour pollutants.
	(4) Electrical hazards in the operating room.
	(5) Haemodilution in general surgical patients in collaboration.
	(6) Bacterial contamination of anesthetic apparatus and operating room.
	(7) Pseudocholinesterases-in collaboration with the pharmacology department.
	(7) Radiology
	(1) Ascending lumbar venography in diagnosis of disc lesions is being carried out and the project is not yet over.
	(2) Study of Angiographic pattern by carotid Angiography in tuberculous meningitis.
	(3) Study of 15 cases of dacryocystorhinography in chronic dacryocystitis.
	(4) Drip Infusion Cholangiography.
	(8) Dermatology and Venereology
	(1) Study of premature Greying of Hair.
	(2) Study of Sexually Transmitted Diseases.
	(3) Study of various modalities of treatment in Genorrhoea.

APPENDIX X.

Investigations Departmentwise.

(1) Bacteriology.

(a) Routine Examinations of Smear & Culture :—

Urine	5602	Bronchial swabs & Aspirates ..	43
Sputum	5776	Umbilical Swabs	17
Pus & Pus Swab	2183	Throat Swabs	223
Cerebro-Spinal Fluids	2463	Nasal Swabs	12
Pleural fluids	406	Pharynged, Larynged, Palate, Palate, Tongues Lip etc. Swabs ..	10
Ascitic fluids	252	Ear Swabs	123
Peritoneal fluids	224	Kidney, Liver, Lung etc Swabs ..	364
Miscellaneous Aspirated fluids	115	Lymph nodes	5
Synovial fluids	65	Conjunctiva / Cornea etc. Swabs ..	138
Wound Swabs	61	Stool & Rectal Swabs	303
Ulcer & Abscess Swabs	27	Cervical, Vaginal, Endometrial etc. Swabs	84
Methral & Prostatic etc. Swabs	44	Miscellaneous fluids & Swabs ..	57
		Pericardial fluids	50
		Total ..	18647

(b) Routine Cultural Examination :—

Blood	669	Blood Clot	1900
Throat & Nasal Swabs	151	Cerebro-spinal fluids	390
Pus & Pus Swabs	250	Miscellaneous Swabs & Aspirates ..	158
		Total ..	3518

(c) Smear ... Culture for Fungus :—

Skin, Scalp, Hair etc.	5	Vaginal, Cervical, Prostatic etc. ...	25
Sputum and Bronchial Swabs	40	Urine	125
Ear, Throat, Tongue etc Swabs	26	Cerebro-spinal fluids	35
Miscellaneous Swabs & Aspirates	51		
		Total ..	307

(d) Smear & Culture for M. Tuberculosis :—

Sputum	24	Urine	124
Cerebro spinal fluids	268	Pleural fluids	264
Ascitic fluids	56	Pus & Pus Swabs	263
Vaginal, Cervical, Endometrial	78	Lymph nodes	5
Menstrual	22	Miscellaneous Swabs & Aspirates ..	39
Bronchial Swab & Aspirates	17	Lung Swabs	47
Pericardial, Peritoneal fluids	17	Gastric Lavage	31
Brain Swabs	7		
		Total ..	1245

(e) Cultivation with Carbon-di-oxide :—

Urine	325	Prostatic & Urethral Swabs ..	44
Vaginal & Cervical Swabs. ..	48	Swabs from Brain, Lung, Kidney etc. ..	70
Pus & Pus Swabs	14	Cerebro-spinal fluids.. ..	2410
Miscellaneous Swabs & Aspirates ..	72		
		Total ..	2983

(f) Examination of Smears only :—

Sputum for A. F. B. Direct Method	5400
Sputum for A. F. B. Concentration Method	520
Urethral, Vagina etc. Smears.	84
Wet film Preparation for :	
Urine	501
Stool & Rectal Swabs	250
Vaginal & Cervical Swabs	128
Liver & Other aspirates	250
Skin Scraping etc.	150
Miscellaneous Smears & Swabs	25
Total ..	7308

(g) Tests

Sensitivity Tests	5,915	Coagulase Tests	1,316
Agglutination tests	461	Biochemical Tests by Triple sugar Iron Agar	3,300
Routine Biochemical Tests	250	Inulin Fermentation Tests	25
Bile Solubility Tests	150	Casoin's Tests	35
Preparations of Antovaccines	4	Sterility Tests	330
Biological Tests	20	Urea Assimilation Tests	1,020
Citrate Utilization Tests	770	Nitrate Reduction Tests	25
Nitrogen Assimilation Tests	120	Indol Tests	1,209
Methyl Red Tests	1,090	Voges Prausker's Tests	4,090
Gelatinae Tests	7	Hydrogen Sulphate Production Tests.	152
Oxidant Test	1	Miscellaneous Test	150
		Total ..	17,440

(h) Special Investigations and Research

Infections in Post-operative Cardiac-Patients (Cases)	150
Studies of Anaerobes	20
Studies of Sputum during Trials of Deoxydine (Cases)	165
Urinary Tract Infection in Diabetic Patient(Cases)	55
Total ..	390

(i) Cultural Examination for Anaerobes

Wound Swabs	61	Ulcer, Abscess etc. Swabs	27
Pus, Aspirates etc.	195	Blood	25
Material for testing Sterility	185		
		Total ..	493

(r) Serology

Blood V.D.R.L.	20,063	C.S.F.V.D.R.L.	1,251
Blood Widal	2,472	Blood Weiffelix	23
Blood Pau Bunnet	10	Blood Bruce llosis Ag. test	2
Normal Ge. test	3		
		Total ..	23,2834

Food Handler's Scheme

Blood Widal	1,388	Blood V.D.R.L.	1,366
Urine	1,395	Stool.. .. .	1,390
Nasal Swab Culture	200	Nail Swab Culture	200
Throat Swab Culture	194	Sputum Culture	4
Stool Culture	280		
		Total ..	6,417

Blood Bank Donors V.D.R.L. Investigations	6,153
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(6) Chemical Pathology

Blood Sugar	37,939	G.T.C.	499
Blood Urea	21,926	S. Creatinine	7,003
Uric acid	331	Creatinine Clearance	48
Fibrinogen	135	Total Protein	4,657
Total Albumin	4,657	Total Globulin	4,657
Alk. Phosph. tase	3,679	Thymol Turbidity	2,777
Vanden B rgh	2,571	I. Index	2,571
Bilirubin Direct	1,388	Bilirubin Total	1,388
P.T.P.I.	1,848	Inorg Phosphates	867
S.G.O.T.	2,068	S.G.P.T.	2,068
Acid Phosphatase	269	S. Amylase	442
R.A. Test	589	Cholesterol	3,263
Gastric	181	C.S.F. Sugar	1,711
C.S.F. Chloride	1,711	B.S.P.	124
Urobilinogen	121	Total lipid	428
Tryglycerides	428	Phospho lipids	428
S.L.D.H.	356	Electrophoresis	76
S. Sodium	10,118	S. Potassium	10,118
S. Chloride	10,118	S. Calcium	734
Urine Calcium	111	Urine Protein	138
Urine Creatinine	27	Urine Sodium	145
Urine Potassium	145	Urine Chloride	145
Blood P.H.	347	Blood Po2	347
Blood Pco2	347	V.M.A.	28
Urine Osmolity	104	S. Osmolity	93
		Total	1,46,269

(7) Blood Bank**(i) Blood Collection :—**

Voluntary Donors	- 5,275	Replacement Donors	1,214
No. of Out-door collections	89	No. of bottles brought from other Hospitals.	487

(ii) Blood Utilisation :—

Issued to Nair Hospital Patients	-4,869	Given to other Hospitals and Blood Banks.	1,846
Bottles discarded	1	Sent for Plasma Processing	293
Donors Blood Grouping	6,685	Patient's Blood Grouping	7,720
Anatenatal Blood Grouping	2,661	Cord Blood Grouping	2,677
M.T.P. Blood Grouping	3,225	Antibody Detection	140
Coomb's Test	160	Cold Agglutinins :—	
		Auto-antibodies	6
		Cold-antibodies	36
Cross matching	8,479	Blood components therapy	4,366
Blood transfusion	5,246		

(ii) Special Studies Done

Neonatal jaundice cases studied	273
ABO incompatibility	232
Rh incompatibility	41
LDH isoenzymes & HBs ag studies in Donors	96
Patients	130
Antisera prepared : —A150 cc. 5×30 bulbs.	
B—150 cc. 5×10 bulbs.	

Department of Microbiology

Skining Scap, Scraping etc.	20	Stool	10
Urine	10	Sputum	20
Blood Culture	10	Contijunctial Swabs	15
Pus Swabs	25	C.S.F.	10
Lung Swabs	12	Polythene tube	2
Ear Swab	3	Throat Swabs	3
Aspirates	10		
		Total	150

(Refetred from Bacteriology Section to Mycology Section)

Skin, Scap, Hair etc.	5	Vaginal, Cervical Prostitic etc.	35
Urine	125	Ear, Throat, Tongue, etc. Swabs	25
Cerebro-spinal fluids	35	Sputum and Bronchial Swabs	40
Mucilaneous Swabs & Aspirates	51		

Total 907

APPENDIX XL

Number of patients.

Work load summary.

Serial No.	Activity	Actualy 1976-77.	Budget Estimate. 1977-78.	Treated during O. P. D.	1977-78 Indoor.	Total patients. 1977-78.	Total estimated patients for 1978-79.
1	Medicine.	91,576	92,000	80,867	11,538	92,405	1,02,405
2	Surgical.	82,237	82,500	70,514	10,627	81,141	82,000
3	Pphthalmic.	13,957	14,500	12,491	920	13,411	14,500
4	Gynaecology.	10,672	11,000	8,506	1,789	10,295	10,805
5	Skin S. V. D.	42,628	43,000	38,538	169	38,707	39,707
6	Aural (E. N. T.).	23,150	23,500	19,695	2,847	22,542	23,542
7	Orthopedic.	20,151	20,500	17,309	3,180	20,489	21,489
8	Paediatric (Med.).	37,277	38,000	29,166	5,551	34,717	35,717
9	Tuberculosis.	2,320	3,500	2,041	1,081	3,122	3,500
10	Cardiac Surgery.	533	600	751	36	787	900
11	Gastro enterology.	604	650	453	392	845	1,000
12	Psychiatry.	2,944	3,000	3,069	857	3,926	4,026
13	Neuro Surgery.	483	500	350	257	607	800
14	Neurology.	367	300	284	177	464	500
15	Plastic Surgery.	612	650	454	291	745	950
16	Peritoneal Dialysis.	18	25	65	19	84	100
17	Thoracic Surgery.	... Included in Surgical figures of Sr. No. 2.					
18	Paediatric Surgery	4	10	1	...	1	25
19	Diabetics.	167	200	161	63	224	325
20	Haematology.	119	125	81	66	147	200
	Total	3,30,815	3,34,760	2,84,796	39,860	3,24,656	3,42,691

**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 :—

		Rs.
(A)	1. On In-Patients	1,99,25,242.00
	2. On Out-patients	37,39,673.00
	3. Total Expenditure (Excluding New work) ...	2,35,46,295.00
	4. On New works	1,18,620.00
(B)	1. Average cost per In-patient per day	51.55
	2. Average cost per Out-patient per day	6.33

II.—RESULTS :—

(A)—IN-PATIENTS :—

1.	Schedule bed strength	783
2.	Daily average In-patients in wards (Including Sarvodya)	1,058
3.	Admissions including those brought over from previous year. ...	50,724
4.	Number of patients discharged as	
	(i) Relieved	32,944
	(ii) As Cured	3,442
	(iii) Otherwise	4,043
	(iv) Expired	3,632
	(v) Remained in the Hospital on the last day of the year ...	957
	(vi) Daily average number of admissions	136
	(vii) Average stay of In-patients (Days)	7
	(viii) Highest In-patients on a single day	1,130

(B) OUT-PATIENTS :—

1.	New Out-patients attendance	2,93,341
2.	Daily average number of new Out-patients	952
3.	Highest O. P. D. attendance on a single day	1,098
4.	Number of Casualty attendance (Medico-Legal)	34,095

(C)	1. Operations on In-patients	16,822
	2. Operations on Out-patients	23,425

(D) CONFINMENTS :—

1.	Booked Cases	3,494
2.	Emergency Cases	1,315
3.	Normal	4,214
4.	Abnormal	595
5.	Left before delivery	897
6.	Neonatal and Maternal Deaths	
	(i) Maternal Deaths	12
	(ii) Still Births	254
	(iii) Premature Live Born Infants	239

III.—SPECIALIZED TREATMENT :—

1. Admissions in Resuscitation Ward	...	...	...	2,339
2. Sterilization				
(i) Male	97
(ii)-Female	707
(iii)-I. U. C. D. Inserted	77

IV—RADIOLOGY :—

1. X-Rays taken	89,737
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V—BLOOD BANK :—

1. Blood samples collected from :—				
(i) Voluntary Donors	2,380
(ii)-Professional Donors	Nil
(iii)-Other Hospitals...	...	...	...	Nil
(iv) Relative Donors	...	...	...	1,206
2. Bottles supplied	...	...	...	5,464

VI—SCHOOL CLINIC :—**(A) Number of School Children treated :—**

1. New Cases	...	...	...	1,756
2. Repeat cases	...	...	...	10,353
3. Referred cases	...	...	...	285

(B) EXPENDITURE ON CLINIC**VII—PHYSIO-THERAPY**

1. Out-patients treated	...	...	...	20,984
2. Number of treatments given	...	...	...	1,08,003
3. In-patients treated	...	...	...	13,573
4. Number of treatments given	...	...	...	1,15,952

VIII—OCCUPATIONAL THERAPY

1. Out patients treated	...	...	...	6,886
2. Number of treatments given	...	...	...	26,681
3. In-patients treated	...	...	...	10,121
4. Number of treatments given	...	...	...	1,25,313

1—COLLEGE :—**1. ANNUAL EXPENDITURE AND REVENUE :—**

(A) 1. Expenditure including expenditure on hostel	...	...	33,68,398.00
2. Revenue from tuition fees, Hostel Rent & Miscellaneous Receipts	...	...	1,36,139.00
3. Revenue from post-graduate fees	...	...	28,635.00
(B) Income from Hostel	...	...	8,960.00
(C) 1. Gross Cost per student	...	...	1,027.00
2. Net cost per student	...	...	432.00

2.—STUDENTS :—

On roll as on 1st April 1978.

	Male	Female	Total
Ist M. B. B. S.	57	28	85
IIInd M. B. B. S.	80	42	122
IIIrd M. B. B. S.	76	32	108
Post-Graduates on roll as on 31-3-1978	34	32	66
INTERNS :—			
Total No of interns as on 1-4-1978.	29	20	49
Out side interns	26	3	29

The Lokmanya Tilak Municipal General Hospital has completed 30 years of its existence in this year and the Lokmanya Tilak Municipal Medical College has completed 12 years of imparting medical education to the students.

Even though Local Enquiry Committee of Bombay University has recommended this college for permanent affiliation its affiliation to the University of Bombay is granted by the Government of Maharashtra up to June 1978. The Medical Council of India has also recognised this College for Award of M. B. B. S. Degree of University of Bombay. This Degree has been recognised by the General Medical Council.

Administration,— Dr. V. N. Panse, M. D., M. P. H. (Columbia) and Dr. (Smt.) A. S. Punde, M. D., have continued as Dean and Superintendent respectively.

Other Heads of Departments

Name	Qualifications	Designation
1 Dr. V. N. Panse	M. D., M.P.H. (Columbia)	Dean
2 Dr. M. B. Kher	M.B.B.S., M. Sc. (Med.)	Prof. of Anatomy
3 Dr. M. A. Dabholkar	M. D.	Prof. of Physiology
4 Shri F. R. Billimoria	M. Sc. (Biochemistry) C. Chem., MRIC FCS (Royal Inst. of Chem. London).	Prof. of Biochemistry
5 Dr. K. P. Deodhar	M. D.	Prof. of Pathology
6 Dr. (Mrs.) L. P. Deodhar.	M. D.	Prof. of Microbiology.
7 Dr. H. L. Dhar.	B. Sc. (Calcutta) M.B.B.S., P.H.D. (Calcutta)	Prof. of Pharmacology.
8 Dr. (Mrs.) M. M. Kekre	M.B.B.S., DPH.	Prof. of Preventive & Social Medicine
9 Dr. (Mrs.) S. P. Cuchelkar	M.D.	Asstt. Prof. of Forensic Medicine.
10 Dr. M. V. Divekar	M.D.	Prof. of Medicine.
11 Dr. S. V. Nadkarni	M. S.	Prof. of Surgery
12 Dr. A. P. Chaukar	M.S. (Cardio-Thoracic)	Prof. of Cardio-Thoracic
13 Dr. B. J. Damany	M.S.	Prof. of Neuro-Surgery.
14 Dr. (Mrs.) P. R. Vaidya	M. D.	Prof. of Obst. & Gyn.
15 Dr. V. B. Athawale	M.D., DCH., MAMS,	Hon. Prof. of Paed.
16 Dr. V. R. Mehta	M.B.B.S., D.V.D.	Hon. Prof. of Dermatology
17 Dr. S. C. Shah	M.B.B.S., DGO, DMRE	Hon. Prof. of Radiology.
18 Dr. (Mrs.) D. A. D'souza	M.B.B.S., D.P.M.,	Hon. Prof. of Psychiatry.
19 Dr. M. D. Pandit	M.S., F.R.C.S.	Hon. Prof. of Orthopaedic.
20 Dr. K. C. Gadre	M.S., D.L.O. (London)	Hon. Prof. of E. N. T.
21 Dr. M. D. Joglekar	M.B.B.S., DO (London) D.O.M.S.	Hon. Prof. of Ophthalmology
22 Dr. B. R. Rao	B. D. S.	Hon. Dental Surgeon
23 Dr. S. S. Mehta	M.B.B.S., D.A.F.F. A.R.C.S. (Eng.)	Prof. of Anaesthesia

Education Activities :— The number of under-graduate students on roll on March 1978 was 315 and that of postgraduate students was 66. New Course of Diploma in Medical Laboratory Technology is being conducted at this institution with intake capacity of 10 students.

Besides regular teaching programmes, monthly schedule meetings and clinical cardiology conferences were held regularly. Scientific and educational films were shown to the staff and students.

Interns : Graduates from Universities other than Bombay are allowed to undergo internship training at this Hospital.

Results of the examinations are shown in Appendix I. The prizes won by the students and those who stood first in the examination are shown in Appendix VII.

Separate Committee of the students manages the students Cultural and Sports activities. To manage all this expenditure, fees of Rs. 35 per annum are collected from each student and intern of this college.

Library : During the year, 605 books have been added to the collection totalling to 10220 books. The Library has subscribed to 234 Titles of Journals. 23 Titles of Journals have been received as Gra'tis Donations.

From the L. T. M. M. College, the Budget Grant sanctioned for Library is Rs. 1,45,000.00 and that from the L. T. M. G. Hospital is Rs. 1,85,000.00.

Hostel : Boys and Girls are given accommodation in two separate hostels. About 100 students are accommodated in these hostels.

Corporation has sanctioned Rs.15,10,000.00 for construction of hostel building to accommodate 450 students and the work has been taken up on priority basis.

Research Society : The Research Society registered under Societies' Registration Act and Public Trust Act, is functioning in this institution. Medical Officers working in this institution including Honoraries, Assistant Honoraries and Full-Time Medical Officers upto the level of Tutors and Lecturers are members of the Society. Total number of membership on 31st March 1978 was 100.

Annual Cost and Revenue : The total expenditure of College amounted to Rs. 11,63,627 during the year excluding establishment as against Rs. 4,36,561.00 during the previous year. The net revenue of the College by way of tuition fees and miscellaneous receipts etc., amounted to Rs. 1,27,179 is against Rs. 1,71,613 for the previous year.

Mobile Accident Service : A mobile Accident Service Van attached to the Emergency Ward has attended 861 patients, out of whom 511 patients have been resuscitated in the emergency Ward.

In-Patients : The Schedule bed strength of this hospital is 783. The distribution of beds according to the Departments is shown in Appendix IV. 49734 patients were admitted for Indoor treatment during the year as against 49773, 49747 and 46616 during the preceding 3 years respectively.

Paying Patients : Under the Scheme which is effective from 1951, 1235 patients have been admitted during the year. Employees of the Corporation and their family members are allowed to avail of this facility on payment of 50 percent of the prescribed charges.

Out-Patients : The Out-Patient Department has attended to 2,93,341 new patients. The highest in-patient and Out-patient attendance (only new attendance) on a single day was 1130 and 1098 respectively.

Afternoon Out-patient Department : There are 4 Out-patient Departments viz. Medical, Surgical, Orthopaedic and Paediatrics running in afternoon. During the year, 23877 patients were treated in these department.

Casualty Department : 34095 accidental and other emergency cases were treated in this Department.

Minor Surgery Department : 23425 minor operations were performed in the department during the year.

Pathology Department : 3,78,483 investigations were carried out and 1365 outopsies 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,
- (4) Bhabha Hospital, Kurla
- (5) M. R. Hospital, Matunga,
- (6) Chunabhatti Maternity Hospital
- (7) Raoli Camp Hospital,

Anaesthesia Department : During the year, 15431 patients have received anaesthesia in various theatres and minor surgery department.

1802 patients were kept in recovery room. Out of these 62 patients were required to be treated with respirators.

Electrocardiography Department : 13006 Electrocardiographic tracings including 67 vectorcardiograms and 244 Echo-Cardio grams and 130 Stress Tests were taken during the year under report.

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 on payment of Rs. 10.00 Special investigations such as X-ray etc., are carried out if required. During the year 545 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	...	60,499	(4) Carotid Angiogram	...	234
(2) No. of X-Rays	...	89,737	(5) Special investigations	...	1,783
(3) Ba-meal, Ba-swallow and Ba-enema	...	856	(6) Other Misc. investigations	...	57,626

Dental Department : 10379 patients were treated for various tooth troubles.

Anti-Rabic Department : 2992 patients were treated.

Blood Bank : The Total number of Blood samples collected from voluntary donors was 2330 and from professional donors Nil. The Total number of relatives donors was 1206. The number of blood samples supplied for transfusion during the year was 5464.

Physiotherapy and Occupational Therapy Department : The work done in these departments during the year is shown below (Out patients & In-Patients).

Serial No.	Department.	No. of patients	No. of treatments
1	Physio Therapy	34,557	2,23,955
2	Occupational Therapy	17,007	1,51,994

Audiology and Speech Therapy Department : During the year 1460 patients have taken advantage of services of the department.

Head Injury Follow-up clinic : 204 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	...	97
(2) Sterlization Operations performed	...	707
(3) Loops Inserted	...	77
(4) Patients given oral pills	...	157
(5) Patients given condoms	...	253

School Clinic Department : 1756 New and 10353 old cases from 103 different Municipal Schools from the suburbs and 41 from City and 23 New and 107 old cases from 9 different Secondary Schools were treated during the year. 67 Tonsils operations and 5 other operations were performed on School Children. 80 old primary and 17 old Secondary O. P. D. Cases were treated on Saturday and Holidays during the year.

Medico-Social Service Department : The Medico-Social Service Department has undertaken the following work :—

(1) Medical Aid	...	13,743
(2) High Protein diet products	...	300
(3) Social evaluation cases work services and Rehabilitation cases	...	1,485
(4) No. of Blood donation camps arranged	...	53
(5) Voluntary Donors	...	2,380
(6) Replacement Donors	...	1,206
(7) Total No. of Blood Bottle collected	...	3,586
(8) Psychiatry for case work and social help	...	1,851
(9) Child Guidance Clinic	...	546

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	174	134
(2) Re-visits-Infants	1,434	1,065
(3) New toddlers admissions	173	143
(4) Re-visits-Toddlers	2,523	1,883
(5) Oral Polio	425	222
(6) Home Visits	66	48
(7) Nutrition Demonstrations	8	...
(8) Health talks to mothers	61	...
(9) Field Trips	3	...

(B) Mobile Under Five Clinics—There are 5 mobile under Five Clinics.

(1) Antop Hill, Wadala	} New enrollment ... 2,051 Immunization Polio and Triple ... 1,737 Total No. Medical Aid ... 4,447
(2) Ghatla Village, Chembur	
(3) Mobile Crech Mahim and Andheri	
(4) Lal Donger, Chembur	
(5) Dharavi (M. L. Camp.)	

(C) Slum Communities :

- (1) Antop Hill Wadala
- (2) Ghatla Village, Chembur
- (3) Lal Donger, Chembur
- (4) M. tunga Labour Camp, Dharavi

(D) Total Quantity of Dietary Articles distributed during the year.

Items	Quantity distributed per month
C. S. B.	1,500 lbs.
Bulgar wheat	600 lbs.
Oil	300 lbs.
Egg Powder	900 lbs.
Milk Powder	600 lbs.

(E) School Health :

Sion Koliwada—Immunization Small Pox

T. A. B. Cholera	2,116
D. T.	370

(F) Family Welfare Programme :

Eligible couples	1,039
Motivated for sterilization	85
Tubectomy	24
Vasectomy	48

Medico-Legal Cases : During the year the Resident Medical Officers attended various courts for giving evidence in 723 Medico-Legal cases. 2038 injury certificates were issued to the various Police Stations.

Flying Maternity Squad : The Flying Maternity Squad donated by the India Red Cross Society Bombay Branch, is rendering services to female patients round the clock. Whenever maternity cases need immediate special attention such as supply of Oxygen, Blood transfusion or Hospitalization on telephone call the Flying Maternity Squad reaches there within a minimum time and provides the necessary assistance. During the year, the squad attended 27 such calls.

Dispensary : The work carried out in the Dispensary is as follows :—

(1) Out-Patients ... 4,69,705	(2) In-Patients ... 405
(3) Special Prescription ... 160	

Department of Pharmacy : Sterile and non-sterile preparations were manufactured in Pharmacy Department.

Sterile Preparations : 45 different types of I. V. Fluids in bottles and various sizes of vials were manufactured according to the requirements of the hospital which numbered about two lakhs. About 400 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 80 to 90 drums per day.

Non-sterile Preparations : Liquid, enema soap and different concentration of cetaven were supplied to the entire hospital.

Nurses Training School : During the year 60 student nurses were admitted for training in the General Nursing and 40 students nurses for midwifery and students nurses were sent for general nursing and midwifery examinations respectively out of whom 34 general nursing and 39 midwifery students have passed.

Ambulance Service : 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 1977 stood at Rs. 6,25,297.71 Collection from the boxes, donations, sale of drugs and injections and other miscellaneous receipts during the year amounted to Rs. 1,63,332.81 and expenditure through the Poor Box Charity Fund was Rs. 72,363.00. The total amount in the fund as on 31st March 1978 stood at Rs. 7,16,467.09.

Certificates : 8,760 Certificates of different types were issued to the patients during the year under report.

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 per cent concession is granted in Paying Bed Scheme.

The sale of drugs and Medicine for the benefit of patient has been started at this hospital through E. T. Medical College and Hospital Consumers Co-operative Society from the year 1976.

Dr. V. N. PANSE,
Dean, L.T.M.G. Hospital, Sion.

APPENDIX No. 1

Results of Different Examinations

Year	Examination	Appeared	Passed	Percentage of passing	Student Stood First	Marks secured
April 1977	1st M.B.B.S.	13	8	61.5%	Shri S. J. Jaiswal	480/600
	1st M.B.B.S. (condensed)	2	1	50%		
	II M.B.B.S.	33	55	87.2%	Smt. Bandukwala R.B.	412/600
	III M.B.B.S.	31	22	71%	Shri Correa J. B.	709/1000
October 1977	1st M.B.B.S.	72	61	84.7%	Smt. Shobha Subramaniam	378/1000
	1st M.B.B.S. (condensed)	3	1	33.3%		
	II M.B.B.S.	17	13	76.5%	Smt. Mithal A. R.	378/1000
	II M.B.B.S. (condensed)	2	2	100%		
	III M.B.B.S.	69	52	75.4%	Shri Bakulesh J. Parikh	713/1000

APPENDIX II

LIST OF PUBLICATIONS AND RESEARCH WORK

Department	Name of Doctor	Subject
PUBLICATIONS		
Pharmacology	Dr. H. L. Dhar	(i) Insuline like action of B Pertussis vaccine in rats int. Arch. Allegy Immunology; 55, 275, 1977.
		(ii) Diuretic action of Tinosporia cordifolia Ind. J. Pharmacol 9, 77, 1977.
		(iii) Further studies on mechanism of Hypoglycaemic action of B. Pertussis vaccine, Ind. J. Pharmacol, 9, 85, 1977.
		(iv) Studies on the mechanism of Antidiabetic effect of B. Pertussis vaccine, Proc. XIV Int. Cong. Therapy Montpiller 1977.
Paediatric	Dr. V. B. Athavale	(i) Bala Veda-1977
		(ii) Piper longum in Asthama in children presented at the XIV International conference of Paediatrics held at Delhi 1977.
		(iii) Growth curves of New borns at avrious gestations Presented at XIV International conference 1977.
		(iv) Comparative study of clinical and post mortem diagnosis in 200 New borns presented at XIV International congress of Paediatrics 1977
		(v) Ginger, Cumin seeds and Elephant Pepper in chronic and recurrent diarrhoeas presented at XIV International conference 1977.
		(vi) Pain Abdomen study of 100 cases presented at XIV International conference 1977.
		(vii) Shunt operations in Tuberculous meningitis Presented at XIV International congress of Paediatrics 1977.
		(viii) Infart Mortality Presented at XIV International congress of Paediatrics 1977.
		(ix) Brahmi as an anticonvulsant in Tuberculous Meningitis Presented at XIV international congress of Paediatrics 1977

Department	Name of Doctor	Subject
		(x) Traditional child care in India (I) Presented at XIV International congress of Paediatrics 1977.
		(xi) Traditional child care in India II presented at XIV International congress of paediatrics 1977.
		(xii) Asthama in children.
	(2) Dr. (Mrs.) M. N. Mehra	(i) Breast feeding Published in Anand Bazar Patrika 28th October 1977.
		(ii) Accidents in children 1977 The above articles were accepted for Jay press publications on the occasions of XIV International congress of Paediatrics Delhi October 1977.
		(iii) Epidermolysis Bullosa Paediatrics clinics of India vol. 12, No. 3, pg. 83, 89, 77.
	(3) Dr. (Mrs.) Shalini S. Bhatt	(i) Breast Feeding-Published in Anand Bazar Patrika 28th October 1977. The Above article was accepted for lay press publications on the occasion of XIV International congress of Paediatric Delhi October 1977.
	(4) Dr. (Miss.) M.H. Rupani	(i) Asthama in childhood.
		(ii) Accidents in children Accepted by Press Publications on the occasions of XIV International congress of Paediatrics.
P. & S. M.	Dr. (Mrs.) M. M. Kekre	(i) Growth pattern in primary school children.
		(ii) Morbidity pattern in School dropouts
		(iii) Tuberculosis in children.
		(iv) Booklet accepted for publications Marathi translations of a book "Child Health-Common Questions."
Ophthalmology	Dr. M. D. Joglekar	(i) Fixation in mature cataract (Dr. S. A. Gokhale)
		(ii) DCR with Polythene tube by (Dr. S. A. Gokhale)
PAPERS READ		
Pharmacology	Dr. H. L. Dhar	(A) 3rd Maharashtra regional conference in Pharmacology held at Nagpur, 1977.
		(1) Hypotensive action of <i>Tinospora Cordifolia</i> .
		(2) Further studies of hypoglycaemic effect of B. Pertussis vaccine.
		(B) Annual conference of India pharmacological society held in Calcutta, 1977.
		(1) Clinical trial on antidiabetic effect of B. Pertussis vaccine.
P & SM	Dr. (Smt.) M. M. Kekre	(1) "Cardio-Pulmonary lesions in school children". Paper presented at the international symposium on cardiopulmonary lesions at Bombay.
		(2) Brain Trust-On "Sexually Transmitted Diseases" at the first National Conference on S. T. D. at Bombay.
		(3) "Health and Morbidity survey in Dharavi the biggest slum in Asia An experience."
		4) Observations on Perinatal Mortality at Sion Hospital.
		(5) Study of parasitism in children under Ten years of age at Ghatla Village.

Department	Name of Doctor	Subject
Paediatric	(1) Dr. (Mrs.) M. N. Mehta	(1) Serum Lipids & ABO blood Groups in cords Bloods of Neonates. Presented at XIV International Congress of Paediatrics Delhi October 32rd 30 h. 1977. (2) Growth Curves of New borns at varying gestations presented at XIV international congress of paediatrics, Delhi October 1977. (3) Neonatal serum cholesterol. In association with ABO Blood groups presented at 2nd Annual Conference of Bombay Haematology group, 3rd & 4th December 1977 Bombay. (4) Haematological Aspects of congenital syphilis. Presented at 2nd Annual conference of Bombay. Haematology group 3rd & 4th December 1977, Bombay.
	(2) Dr. (Mrs.) Shalini S. Bhatt	(1) Ginger, cumin Seeds and elephant pepper in chronic and recurrent diarrhoea Presented at XIV International congress of Pediatrics-Delhi October 23rd 30 h 1977 Same paper was read in December 1977 at Staff Society meeting at L. T. M. M. College, Hospital, Sion, Bombay. (2) Haematological Aspects of congenital syphilis. Presented at 2nd Annual Conference of Bombay Haematology group 3rd & 4th December 1977, Bombay.
	(3) Dr. M. R. Lokeshwar	(1) Infant Mortality Presented at XIV International conference of Paediatrics, Delhi October 23rd 30th 1977.
	(4) Dr. (Miss) M. H. Rupani.	(1) Comparative study of clinical and Post-Mortem diagnosis in 200 New borns Babies. Presented at XIV International conference of Paediatrics, Delhi October 23rd 30th 1977.
	(5) Dr. V. G. Tuteja	(1) Comparative study of clinical and Post-Mortem diagnosis in 200 New borns Presented at XIV International Congress of Pediatrics Delhi, October 23rd 30th 1977 Paper Lungum in Asthama in children presented at the International conference of Paediatrics, Delhi, October 23rd 30 h 1977.
	(6) Dr. (Mrs.) A. Fernandes	
Occupation Therapy	Mr. Sharad Bhatt	(1) A Paper on "Functional significance of spinal cord level injuries" was presented by Mr. S.T. Bhatt, Head O. T. at the seminar held on 15th & 16th Jan. 1977. (2) A joint paper "Dry Care Centre & review of 40 schizophrenic patients by department of occupational therapy and psychiatry was presented by Mr. S. T. Bhatt Head O. T. at the 19th National conference of A. I. O. T. Association in New Delhi held on 18th to 22nd November 1977 which will be published in I. J. of O. T. in 78 issue. (3) A "Injuries to the Thumb" a paper by Mr. S. T. Bhatt, Head O. T., Miss P. S. Dingankar & Mr. M. M. Virkud Jr. O. T. was presented by Shri M. M. Virkud at the 19th National conference of A. I. O. T. Association in New Delhi held on 18th to 22nd Nov. 1977.

RESEARCH

Physiology	Dr. N. A. Dabholkar	(1) Effect of yogic Exercises on blood fibrinolytic activity was studied and presented at the Annual conference of India Science Congress association. (2) Study regarding effect of fermented food on fibrinolytic activity in cardiac patients was completed. The report of the study is now under preparation.
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Department	Name of Doctor	Subject
Preventive & Social Medicine	Dr. (Smt.) M. M. Kekre	(1) Follow up of cases of tubectomy and vasectomy.
		(2) Examination of family contacts of Leprosy cases.
Pharmacology	Dr. H. L. Dhar	(1) Clinical trial on anti-diabetic effect of B. pertussis Vaccine.
		(2) Further studies on Tachyphylaxis, to Dopamine and its mechanism.
		(3) Further studies on alpha adrenergic action of Tetrazolium salts.
		(4) Effect of Tranquilizers on gastric secretion in rats.
		(5) Cephalosporin and allergy.
		(6) Mechanism effect of B. Pertussis Vaccine.
		(7) Screening of newer alpha and beta blocking drugs on neuromuscular junction.
		(8) Effect of carbamazepine on blood sugar level-mechanism of its hyperglycemic action.

APPENDIX III

DISTRIBUTION OF BEDS ACCORDING TO DEPARTMENT

Department	Male	Female	Children	Total
(A) Non-Paying Beds :				
Medical	108	36	...	144
Surgical	108	36	...	144
Orthopaedic	36	24	12	72
Gynaec and Obstetric	...	144	...	144
Ear, Nose and Throat	12	4	8	24
Ophthalmic	12	8	4	24
Skin	7	6	3	16
Paediatric (Including IPCU)	...	...	72	72
Paediatric Surgical	...	...	25	25
Psychiatric	8	8	...	16
P. P. M.	...	10	...	10
Emergency	10	...	...	10
I. C. C. U.	10	...	...	10
Total	311	276	124	711
(B) Paying Beds :				
Medical	15	8	...	23
Surgical	17	9	...	26
Gynaec and Obstetric	...	13	...	13
Total	32	30	...	62
(C) Beds reserved for B. E. S. T. undertaking Staff :				
Medical	5	...	...	5
Surgical	5	...	...	5
Total	10	...	...	10
Grand Total	353	306	124	783

APPENDIX IV

(A) The departmentwise distribution of 49734 admitted patients plus previous year remaining as on 31-12-1976 is given below along with respective figures of previous year.

Sl. No.	Name of the Department	Patients treated	
		1976	1977
1	Medical	12,945	14,608
2	Surgical	11,690	11,514
3	E. N. T.	1,645	1,683
4	Ophthalmic	1,289	1,230
5	Skin	313	237
6	Dental	7	...
7	Paediatric	8,573	7,648
8	Psychiatric	590	537
9	Orthopaedic	3,125	3,158
10	Gynaec	1,845	1,644
11	Obstetrics	7,771	7,465
	Previous year's remaining patients	867	957
	Total	50,660	50,681

(B) Results of treatment.

Hospital.	Cured.	Relieved.	Other wise	Delivered	Left before delivery	Expired	Remaining as on 31-12-77
T. M.G. Hospital Annapurnabai	3,035	31,107	2,911	...	...	3,611	865
Deshmukh Hospital for women	407	1,837	1,132	4,809	897	21	92
Total	3,442	32,944	4,043	4,809	897	3,632	957

(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.
1,450	1,073	1,109	3,632

APPENDIX No. V

List of persons who have donated Rs. 500 and above during the year 1976-77.

Sr. No.	Name of the party	Amount
		Rs.
1	L. R. Sons Trust ...	1,001.00
2	Total donation below Rs. 500.	2,414.00
		3,415.00

APPENDIX No. VI

Expenditure per In-patient, and outpatient per day

Year.	Diet	Medicines Drugs Equip- ment.	Stores & Linen	Heating & Lighting	Miscella- neous	Repairs to Building	Estab- lish- ment	Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
In-Patient :								
1976-77	3.93	12.32	2.81	1.58	2.82	0.37	25.97	50.80
1977-78	3.17	13.97	3.45	1.42	3.36	1.09	25.09	51.55
Out-Patient:								
1976-77	Nil.	3.18	0.67	0.38	0.67	0.09	6.20	11.19
1977-78	Nil.	1.83	0.45	0.18	0.44	0.14	3.29	6.33

APPENDIX No. VII

PRIZE AND AWARDS

ACADEMIC

April 1977

1st M.B.B.S. Shri S. J. Jaiswal stood 1st in the class.
 2nd M.B.B.S. Smt. Rashida B. Bandukwala stood 1st in the class.
 3rd M.B.B.S. Shri J. B. Correa stood 1st in the class.

October 1977

1st M.B.B.S. Smt. Shobha Subramaniam stood 1st in class.
 2nd M.B.B.S. Smt. A. R. Mittal stood 1st in the class.
 3rd M.B.B.S. Shri Bakulesh J. Parekh stood 1st in Class.

- (1) Dr. B. R. Damle memorial gold medal in Medicine was awarded to Shri B. P. Shah.
- (2) Dr. G. M. Phadke memorial award in Surgery was won by Shri B. P. Parekh.
- (3) Shri B. M. Bhargava memorial prize in obstetrics and gynaecology was awarded to Shri S. R. Shetty.
- (4) Dr. C. M. Gadre memorial prize in E. N. T. was won by Shri B. P. Parekh.

OUTDOOR SPORTS: Shri Prabhu Purshottam V. selected as a Captain of the Maharashtra State Basket-ball Team at the National Basket-ball Championship. He was also captain of Bombay Varsity Basket-ball Team at the Inter Varsity Meet and a captain of west zone Universities.

Shri Kolge pramod M. was the winner of Javelin throw at the Bombay Inter Medical Athletic Meet.

Shri Kum'ra Shekhar was selected to represent Bombay University at the All India Inter University Athletic Meet. He was the winner of the High Jump event at All India Inter Medical Athletic Meet; Runner up at Inter Collegiate Meet and winner at Bombay Inter Medical Meet.

Smt. Jaishree Srinivasan the winner of Shot putt, Discus throw and runner up of Individual Championship at All India Inter Medical Meet, Hyderabad. She was also winner of Shot-Putt and Runner up of Discus throw at the Bombay Inter Medical Meet.

Team Championships.—Runner up of women's Team Championship at All India Inter Medical Athletic Meet, Hyderabad and winners at Bombay Inter Medico Basket-ball championship.

INDOOR SPORTS: Table Tennis.—The women's team consisting of Miss Jaishree Srinivasan, Miss Veena Butala and Miss Shahida Bakka was the Runner up at All India Inter Medical Meet, held at Delhi in September 1977, and winners of women's Doubles at All India Inter Medical Meet at Hyderabad in October 1977.

Chess.—The chess team consisting of Shri Shreshtha M. Shri Vaidya R., Shri Kamblik and Shri Varma M. was the winner at the All India Inter-medical meet held at Hyderabad and was also the winner at the Bombay Inter Medical Meet in held December 1977.

Shri Shreshtha M. was declared as a chess champion at All India Inter Medical Meet, held at Hyderabad in October 1977 and at Bombay Inter-medical meet held in January 1978.

Miss Hema Malini was the winner of Bombay Inter Collegiate Women's Chess Championship for 1977-78.

BRIDGE:

The Bridge team consisting of Shri Bunshah B., Shri Kripalani H. L., Shri R. tnaparakhi S. B., Shri Sanghavi A. P. was the winner at Bombay Inter Collegiate Tournament and at Bombay Inter Medical Tournament for 1977-78.

R. R. D. D.:

Miss M. V. Lakshmy was given a "Special Mention" in Elocution at All India Inter Medical Meet at Delhi, held in September 1977.

APPENDIX No. VIII

Performance Targets and Achievement

Serial No.	Activity	TARGETS		ACHIEVEMENT	
		Out-Patients	In-Patients	Out-Patients	In-Patients
1	Medicine	64,000	13,000	70,381	14,608
2	Surgery	84,000	12,000	85,981	11,514
3	Obst. & Gyn.	25,500	10,000	18,370	9,109
4	Paediatrics	37,500	9,000	34,592	7,648
5	Casualty	40,000	...	34,095	...
6	Orthopaedic	26,500	3,500	24,939	3,158
7	E. N. T.	13,500	1,700	12,394	1,693
8	Ophthalmology	11,300	1,300	11,971	1,230
9	Skin & V. D.	24,500	350	22,561	237
10	Psychiatric	1,200	600	1,173	537
11	O. T. & P. T.	27,500	10,000	27,870	23,694
12	Dental	11,000	10	10,979	...
13	Dispensary	4,22,000	...	4,69,705	405
14	Social Service	14,000	...	13,743	...
15	Paying Ward	...	1,300	...	1,235
16	Radiology	...No. of X-Ray plates	90,000	...	89,737
17	Blood Bank	(1) Collection of Blood Bottles	6,000	...	5,479
		(2) Blood bottles issued	6,000	...	5,464
18	Pharmacy	No. of infusion bottles	1,25,000	...	1,32,100
		No. of Vials	57,000	...	62,600
19	Emergency Ward & Accident Service	Patients to be admitted	2,500	...	2,339
	Emergency	Calls	1,000	...	860
20	Lab Service	...	2,10,000	...	3,78,483
21	Anaesthesiology	No. of patients	19,500	23,425	16,822

THE NAIR HOSPITAL DENTAL COLLEGE

1. High Lights—

(i) Income .. Rs. 2,84,109.00 (ii) Expenditure .. Rs. 30,98,725.00

2. Students—

(i) B. D. S. Course .. 253 (ii) M. D. S. Course .. 51
 (iii) Passed B. D. S. .. 67* (iv) Passed M. D. S. .. 6*

*(As per results for December 1977).

3. Patients Treated—

(i) Out Patients .. 1,39,528 (ii) Daily average .. 465
 (iii) New In-patients .. 300

4. Poor Box Fund Collection—Rs. 24,380.00

The College conducts four years course in dentistry leading to the Degree of Bachelor of Dental Surgery as also Postgraduate Course in 7 Dental Subjects leading to Master of Dental Surgery of the University of Bombay.

EDUCATIONAL ACTIVITIES :

(a) SEMINARS : Institution organised three Scientific Seminars. Both Indian and Foreign Specialists participated in the Seminars.

(b) Indian and Foreign well-known Specialists conducted courses and delivered lectures in their respective fields. Dr. I. Curson, Professor of Conservative Dentistry, Kings College, London, conducted Clinical Demonstrations and delivered lectures on recent advances in restorative Dentistry and Endodontics. Dr. Goldman and Dr. Herald Berk, Professor of Periodontology and Professor of Endodontics respectively at Tufts University, Boston, U. S. A., delivered lectures and conducted courses. In addition to the above Prof. Dr. E. Krugar, Prof. Van der Kwast, Dr. Dr. Gy. Szabo, Dr. Arther Elias, Dr. Vivienne Cowlshaw, Specialists in Oral Surgery and Dr. Punwani, Professor of Pedodontics at the University of Illinois, U. S. A. delivered lectures during the year under report.

(c) Institution organised T. V. and Radio Talks on Dental Education.

(d) Educational aids including overhead projector and slide projectors were purchased.

HOSTEL :

(a) FOR MALE STUDENTS : Nair Hospital Dental College Hostel for Gents at Haji Ali has been started from 1-7-1976. 53 students are accommodated in the Hostel.

(b) FOR FEMALE STUDENTS : The hostel was started on 28-11-1977. 14 students have been accommodated.

LIBRARY : During the year 283 books have been added to the collection totalling to 4526 books. The number of periodicals subscribed is 71. In addition 11 complimentary periodicals and some college magazines were received in exchange.

SPECIAL EQUIPMENTS : The College has 124 Dental Chairs, 101 Dental Units, 120 Bench Type Engines, up-to-date Operation Theatre, latest drilling equipment including Aerotors 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 Reprovit II-a Universal Unit has been added to facilitate general radiography and tomography for teaching Under-graduate and Post-graduate students.

The College has a Ward of 10 beds (Male-5, Female-5) specially for Dental in-patients. Number of patients admitted during the year 1977-78 was 300.

The staff engaged for the services in the College is 126 (comprising 101 Dental, 25 Medical), 16 para-medical and 165 non-medical.

RESUME OF WORK DONE IN THE CLINICS : The total number of dental out-patients treated in different dental clinics of the College was 1,39,528 including School Children in the morning as well as in the evening Clinics which includes 62,303 Males; 47,104 Females and 30,121 Children. The details of work carried out in different departments is given in the Appendices attached.

During the year a revenue of Rs. 2,84,109.00 was collected by way of fees from the students and charges from the patients as against Rs. 2,85,571.00 during the preceding year. The total expenditure incurred came to Rs. 30,98,725.00 as against Rs. 25,81,785.00 during the preceding year.

18405 Municipal School Children were treated in the Children's Clinic during the year.

Dr. S. T. TALIM,

Ag. Dean,

Nair Hospital Dental College.

**APPENDIX 'A'.
CLINICAL YEARLY REPORT.**

Particulars.	Total	Particulars.	Total.
New Patients.	52,836	Dowel Crown.	55
Old Patients.	86,692	Roots Extracted.	968
Total Patients.	1,39,528	Abscess Open.	30
Male.	62,303	Alveolotomy.	82
Female.-	47,104	Flap Cutting.	84
Children.	30,121	Imp. 2nd Molar.,	69
Silver Fillings.	-87,17	G. A. Extractions.	404
Porcelain Fillings.	280	Bands.	944
Root Canal Treatment.	702	Full Denture	612
Gold Inlay.	135	Partial Denture.	269
Jacket Crown.	310	Repaired Denture.	39
Crown Bridge.	93	Retention Plate.	890
Pulp Capping.	418	Fixed Appliances.	47,55
Apicectomy.	44	X-Rays.	40,64
Scaling.-	18,974	Zinc Fillings.	18
Gingivectomy.	244	obturator.	4
Curettage.	215	Splint.	428
Extractions.	50,122	R. C. Fillings.	271
Gold Crown.	98	Pulpotomy.	

APPENDIX 'B'.

Maxillo-Facial and Plastic Surgery Department,-List of Operations done during 1977-78.

Serial No.	Description.	Nos.	Serial No.	Description.	Nos.
1	Impaction.	343	18	Nerve Avulsion.	6
2	Biopsy.	23	19	Sub Luxation of T. M. Joint.	7
3	Aro-antral Fistula.	4	20	Gland Excision.	5
4	Cyst.	35	21	Nurectomy.	13
5	Fracture.	133	22	Arthroplasty.	12
6	Cald-well-luc.	9	23	Maxillectomy.	20
7	Apicectomy.	31	24	Frenectomy.	9
8	Alveolectomy.	13	25	Extra-oral Sinus.	3
9	Alveolar Abscess.	43	26	Extractions.	33
10	Hemimandi bulectomy.	4	27	Removal of Salivary Calculus.	7
11	Maxillary Osteotomy Mandibular.	17	28	Vestibuloplasty.	3
12	Cleft Palate.	2	29	Cleft lip.	1
13	Curettage.	39	30	Benign Tumours.	32
14	Transplantation of Canine.	1	31	Tongue Tie.	9
15	Skin Graft.-	7	32	C. L. W.	7
16	Bone Graft.	5	33	Plastic Reconstructive Surgery	8
17	Condylectomy.	9	34	Osteomyelitis.-	5
			35	Neurorrhaphy.	2
			Total		900
			Operations under L. A.	807	
			Operations under G. A.	93	
			Total	900	

**APPENDIX 'C'.
DENTAL PATHOLOGY DEPARTMENT.**

Serial No.	Description	Nos.
1	Pathology Biopsy.	78
2	Surgical Biopsy.	183
3	Paraffin Blocks.	336
4	Tooth Paraffin Blocks.	50
5	Recutting of Paraffin Blocks.	50
6	Slides stained (Routine).	500
7	Slides stained (Special)	260
8	Ground Sections.	40
9	Investigations	844

**APPENDIX 'D'.
RADIOLOGY DEPARTMENT.
Details of Radiographs taken and Examined.**

No of Patients Treated	8,051
(i) Intra-oral Radiographs	18,850
(ii) Extra-oral Radiographs	2,138

APPENDIX E

DEPARTMENT OF PERIODONTOLOGY.

CLINICAL MONTHLY REPORT FROM 1st April 1977 TO 31st March 1978:—

	New.	Old.	Total.	Male.	Female.	Children.	Consultation.	Medication.	X-Ray.	(Scaling).	Completed Cases (Scaling).	Free.	Curettage.	Gingivectomy.	Free.	Other Periodontal Operation.	Pack Placed or Removed.	Impressions.	Splints.	Occlusal Adjustment.	Flap Operation.	Intra-mas-cular Injection.	Intra-venous Injection.	Rup.
Morning.	6402	10147	16549	9996	6205	348	7017	666	346	7118	2668	548	121	158	...	466	143	4	1	11	96	95	...	11,637
Evening.	2808	7805	10613	6721	3715	177	3245	392	200	5082	2373	459	94	86	...	304	118	1	4	5	44	80		10,056
Total.	9210	17952	27162	16717	9920	525	10262	1058	546	12200	5041	1007	215	244	...	770	261	5	5	16	140	175		21,693

APPENDIX F

Operative Department

YEARLY REPORT FROM 1-4-1977 TO 31-3-1978

	Old.	New.	Total patients	Male.	Female.	Medication.	Consultation.	X-Ray paid.	X-Rays fee	Znc. Filling.	Ag. Filling	Free Filling	Total Filling	Porcelain "	Free Filling	Total Filling	Gold Inlays.	Free Inlays.	Total Inlays.	Crown/Bridge.	Free/Bridge.	Total/Fridge.	J. C.	Free "	Total "	Root Canal Treatment.	Free "	Total "	R. C. Dressing	Pulp capping.	Paid Free Paid pulpotomy	Free Apicectomy	Dowel.	Free.	Total.
Morning	13511	1850	15361	8565	6796	1831	1645	1350	438	4064	2282	797	3079	145	72	217	62	36	98	28	16	44	145	68	213	291	137	428	1863	162	762	3	43	12	55
Evening	7240	905	8146	4523	3623	1177	1097	549	235	2596	1570	471	2041	40	18	58	27	10	37	13	15	28	69	26	95	128	84	212	774	102	6318	11	23	13	36
Total	20751	2756	23507	13088	10419	3008	2742	1899	673	6660	3852	1268	5120	185	90	275	89	46	135	41	31	72	214	94	308	419	221	640	2637	264	13920	14	66	25	91

APPENDIX ' G '

ORTHODONTIA DEPARTMENT

Yearly report from month of April 1977 to March 1978

	Morning	Evening	Total
1 New patients' Visits (Consultation)	290	108	398
2 Oral Patients' Visits	6,408	2,843	9,251
3 Total Visits	6,698	2,951	9,649
4 Male Adults	583	299	882
5 Female Adults	3,716	1,479	5,195
6 Children	2,399	1,173	3,572
7 X-Rays	489	195	684
8 Cephalograms	267	106	373
9 Photographs	109	15	124
10 New Patients' Treatment Started	123	38	161
11 Space Maintainers Given	5	3	8
12 Fixed Appliances Adjustments	583	308	890
13 Removable Appliances Adjustments	1,277	587	1,864
14 Retention Plates Delivered	124	115	239
15 Check-up Done	2,595	1,127	3,722
16 Amount Collected Rs.	16,545	7,655	24,200
17 Cases treated free .. ..	..	..	42

APPENDIX ' H '

PEDODONTIA DEPARTMENT

Yearly Reports from Months of April 1977 to March 1978

	Morning	Evening	Total
1 New Patients	4,719	1,710	6,429
2 Old Patients	8,121	3,825	11,976
3 Total of Patients	12,480	5,565	18,405
4 Total of G.A. Patients	25	..	25
5 Consultation	1,485	630	2,115
6 Medication	1,195	473	1,668
7 Ag. Filling	792	303	1,095
8 Free Filling	740	1,762	2,502
9 Total Filling	1,532	2,065	3,597
10 Pulpotomy	198	44	242
11 Extraction	1,480	676	2,156
12 Scaling	470	256	726
13 R.C. Filling	33	29	62
14 Jacket Crown	2	..	2
15 Splint .. ..	..	1	1
16 Apicectomy	7	3	10
17 Pulp Capping	111	43	154
18 Silicate Filling	3	2	5
19 X-Ray	349	177	526
20 Dowel Fixed .. ..	..	1	1
21 Total of Working Days	301	242	543
22 Amount collected	5,110	1,814	6,924

APPENDIX I

PROSTHETIC DEPARTMENT

Annual Report from 1st April 1977 to 31st March 1978

Particulars	Morning	Evening	Total
Patients Attendance—			
New Patients	702	251	953
Old Patients	3,295	2,754	6,049
Total Patients	3,997	3,005	7,002
Male patients	2,757	1,664	4,421
Female patients	1,085	1,218	2,303
Children	155	123	278
Consultations given	1,454	1,103	2,557
Full Dentures	719	225	944
Partial Dentures	429	183	612
Repair Dentures	200	69	269
Crown & Bridge work	21	..	21
Immediate Dentures	6	..	6
Relining Dentures	4	..	4
Obturator, Cleft-palate, Hemi-Mandibulactomy, Oro- Antal Fistula, etc.	8	..	8
Splints	4	..	4
Bite Raising Appliance	1	..	1
Oral Surgery-models (Study models etc.)	102	..	102
Roor Box Collections	Rs. 606	Rs. 868	Rs. 1,474
Collection from patients	Rs. 18,744	Rs. 14,482	Rs. 33,226

(Free work done during the year 1977-1978)

(Full Dentures 454 Partial, Dentures 300 Repairs 116)

APPENDIX J

List of Publication and paper read during the year 1977-78

Doctor	Subject	Particulars
Operative Dentistry		
Dr. S T Talim	.. An electronic device for the determination of the root canal length.	O S., O M. O.P., January 1977
Dr. S.T. Talim	.. Recent Advances in Restorative Dentistry.	I.D.A. Meeting Bombay Branch.
Dr. S.T. Talim	.. 'Composite Resins' in Restorative Dentistry.	I.D.A. Meeting (Gujrat State) at Ahmedabad.
Dr. S.T. Talim	.. Recent Trend in Root Canal Treatment.	Do.
Dr. S.T. Talim	.. Conducted Refereshers Course in Endodontics at Ahmedabad.	
Dr. S.T. Talim	.. Chairman for the Scientific Session of XVI Maharashtra State Dental Conference.	I.D.A. meeting M.B.
Dr. S.T. Talim	.. Recent Advances in Dentistry ..	Radio Talk.
Dr. S.T. Talim	.. Treatment of the Decayed Teeth	T.V. Talk.
Oral and Maxillo-Facial Surgery		
Dr. A.P. Chitre	.. Ankylosis of Tenporommandibular Joint. Reveiw of 25 cases.	Surgery.
Dr. A.P. Chitre	.. Complications caused by Impacted Teeth.	Maharashtra State-I.D.A. Annual Conference held at Mahableshwar, December 1977.
Dr. A.P. Chitre	.. Anti inflammatory drugs in third molar surgery.	Manipal III Conference of A.O. S.I., January 1978.
Dr. A.P. Chitre	.. Fractures of Jaws	Thana Branch, I.D.A., January 1978.
Dr. A.P. Chitre	.. Role of Maxillary Osteotomy in Cosmetic considerations of face.	Indo-French symposium on Cosmetic Surgery, Bombay Hospital, Research Centre, Bombay, February 1978.
Dr. A.P. Chitre	.. Refersher Course in Minor Oral Surgery	Arranged by Pune Branch of I.D.A., March 1978.
Periodontology		
Dr. R.P. Nayak, Dr. (Miss) I.R. D'Silva, Mr. A.G. Pradhan.	.. Lactate Dehydrogenase activity during the menstrual cycle.	Dental Dialogue Vol. V, No. 1, Page 17, 1978.
Dr. (Mrs.) P.K. Bhambhani Dr. R.P. Nayak	.. The effect of different tooth brushes on Plaque removal.	Journal of Indian Dental Association, Vol. 50, Page 149, May 1978.
Dr. (Miss) I.R. D'Silva Dr. R.P. Nayak.	.. Plasmacytosis of the gingiva	Journal of Oral Medicine, Sept 1977.
Dr. (Miss) I.R. D'Silva Dr. R.P. Nayak.	.. An evaluation of the root topography following Periodontal Instrumentation. A Scanning Electron Microscopic Study.	Paper read at the 2nd Conference Workshop of the Indian Society of Periodontology, Lucknow, January 1978.
Dr. (Miss) I.R. D'Silva, and Others.		Paper was also presented at the Xth Annual Conference of Electron Microscope Association of India at the Bhabha Atomic Research Centre on 20th December 1977.
Dr. R.P. Nayak	.. Mucogingival Surgery	Paper read at the 2nd Conference Workshop of the Indian Society of Periodontology, Lucknow, January 1978.
Dr. R.P. Nayak	.. Vestibular Deepening using lip mucosal graft.	Paper read at the XVI the Maharashtra State Dental Conference held at Mahabaleshwar on 3rd December 1977.

Doctor	Subject	Particulars
Periodontology		
Dr. R.P. Nayak	Can Periodontal Disease be cured? A fact or Fiction?	Paper read at the VIth Krnataka State Dental Conference at Bangalore, November 1977.
Dr. R.P. Nayak	Success in Periodontology	Paper read at the N.H. Dentis College Scientific Seminar held on 19th December 1977 at Birla Kreedra Kendra.
Dr. R.P. Nayak	Clinical Periodontics	A four hour course conducted at the Armed Forces Medical College in Pune, December 1977
Pedodontia		
Dr. (Mrs.) N.N. Mirchandani	Preventive Dentistry	I.D.A., Bombay Branch Meeting Dental Health Week
Prosthetic		
Dr. F.D. Mirza	The Role of Dental Implants after Brachy Therapy. Paper presented.	IV World Congress of International College of Oral Implantology at Cairo, Egypt April 1977.
Dr. F.D. Mirza	Recent Trends in Implantology A lecture presentation.	V—Indian Prosthodontic Conference held at Hyderabad on 25-1-1978.
Dr. F.D. Mirza	Prosthetic needs of the aging patient in a symposium of 'Geriatrics and Prosthodontics'.	V—Indian Prosthodontic Conference held at Hyderabad on 25-1-1978
Dr. F.D. Mirza	Controversies in Complete Denture. Symposium, Asa Chairman-moderator.	V—Indian Prosthodontic Conference held at Hyderabad on 26-1-1978.
Dr. B.C. Shroff	Geriatrics and Prosthodontics. Symposium. Asa Chairman-moderator.	V—Indian Prosthodontic Conference held at Hyderabad on 25-1-1978.
Dr. B.C. Shroff	Controversies in complete dentures. Symposium. Asa Co-Chairman moderator.	V—Indian Prosthodontic Conference held at Hyderabad on 26-1-1978.
Dr. B.C. Shroff	Patient's education and Motivation of a patient in need of prosthetic service. Lecture presentation.	V—Indian Prosthodontic Conference held at Hyderabad on 26-1-1978.
Dr. A.A. Rahimatulla	Psychological aspects in complete denture construction in a Symposium of 'Your Complete Denture Patient and yourself'.	Indian Dental Association Maharashtra State Branch, Pune Club, Pune on 14-8-1977.
Oral Pathology		
Dr. A.P. Bhatt and Dr. H.M. Dholakia.	Mast Cell Density in Oral Sub-mucous Fibrosis.	Journal of Indian Dental Association, 49:187, 1977.
Dr. A.P. Bhatt, Dr. H.M. Dholakia and Dr. (Mrs.) V.R. Brave.	Odontogenic Adenomatoid Tumour	Journal of Indian Dental Association, 50:13, 1978.
Orthodontia		
Dr. M.K. Prakash	Bimax Begg your Pardon	Paper read at XII Indian Orthodontic Conference held at Hyderabad in February 1978.
Dr. M.K. Prakash	Efficacy of Gingival Fiber Surgery in the Prevention of Rotational relapse with Begg's Technique.	Published in the Journal of Indian orthodontic society in the year 1977.

Doctor	Subject	Particulars
Oral Diagnosis and Radiology		
Dr. A.L. Bhoweer and Dr. L.G. Shirwatkar.	.. Toluidine Blue in Diagnosis	Journal of the Indian Dental Association. Vol. 50, April 1978 No. 4, 125-128.
Dr. Y.N. Saxena and Dr. L.G. Shirwatkar.	.. Radiation Doses during Maxillo-facial and Dental X-Ray Procedures.	Journal of the I.D.A., Vol. 50, January 1978, No. 1, 23-28.
Dr. A.L. Bhoweer and Dr. L.G. Shirwatkar.	.. Metastatic Carcinoma of Mandible from a Primary Lesion of Cervix Uteri.	The Indian Journal of Radiology, Vol. XXXI, August 1977, No. 3, 220-222.
Dr. L.G. Shirwatkar, Dr. A.L. Bhoweer and Dr. A.J. Desai.	.. Possible Congenital Deficiency of Factor X (Stuart Brower).	Annals of Dentistry (New York Academy), Vol. 36, Spring 1977 No. 1, Pages 1-7.
Dr. L.G. Shirwatkar	.. Modern Concepts in Dental and Maxillo Facial Radiology.	Lecture delivered to the members of Indian Dental Association (Bombay Branch) on 30th Oct. 1977.

Orthodontia

Dr. A.B. Modi	.. Comparison of Mandible between normal occlusion and angles' class II Div. E Post occlusion surfaces.	Published in Journal of Indian Orthodontic Society.
Dr. A.B. Modi	.. Undergraduate Orthodontics.	Invited to participate at Panal discussion at 12th Indian Orthodontic Conference, Hyderabad.
Dr. A.B. Modi	.. A Cephalometric assessment of the morphology of maxilla in children with class II Div. I Malocclusion and class-I mal-occlusion.	Published in the Journal of Indian Orthodontic Society.
Dr. N.H. Parikh	.. Comparison of mandible between normal occlusion and Angles's Class-II Div. I Mal-occlusion surfaces.	Published in the Journal of Indian Orthodontic Society.
Dr. N.H. Parikh	.. Undergraduate Orthodontics	Invited to participate at Panal discussion at 12th Indian Orthodontic Conference, Hyderabad.
Dr. N.H. Parikh	.. A cephalometric assessment of the morphology of maxilla in children with Class-II, Div.-I, Mal-occlusion and Class-I, Mal-occlusion.	Published in Journal of Indian Orthodontic society.

APPENDIX 'K'

Dental Camps Conducted in Slum Areas in the year 1977-78

Serial No.	Date	Place	No. of Patients treated
1	8-5-1977	Malvani Health Centre, Malvani	135
2	8-11-1977	Malvani Health Centre, Malvani	148
3	19-2-1978	Municipal Dental Clinic, Tadwadi, Mazgaon.	148

APPENDIX 'L'

Prizes and Awards won by the staff and students of the College

Serial No.	Name of the students/staff		Name of the Prizes
Academic			
1	Miss Kothari N.K.	.. Ist Class in I B.D.S.	Silver Jubile Scholarship.
2	Miss Boraskar A.S. ..	.. Ist Class in II B.D.S.	Do.
	Mr. D'Cunha K.M. ..	.. Ist Class in II B.D.S.	Do.
	Mr. Wadkar P.V. ..	.. Ist Class in II B.D.S.	Do.
3	Miss Bharti K.K. ..	.. Ist Class in III B.D.S.	Do.
	Mr. Vakil K.K. ..	.. Ist Class in III B.D.S.	Do.
4	Mr. Shevade S.V. ..	.. Ist Class in IV B.D.S.	Do.
5	Miss Bharti K.K. ..	.. Ist Class in III B.D.S.	Dr. J.M. Dubash Scholarship.
	Mr. Vakil K.K. ..	.. Ist Class in III B.D.S.	Do.
6	Mr. S.V. Shevade	.. Ist Class in IV B.D.S.	Dr. P.P. Sahani Scholarship.
7	Dr. A.P. Bhatt and Dr. Dholakia	Staff member-Oral Surgery.	Awarded Alarsin award, II prize.
8	Dr. M.K. Prakash	.. Staff member Orthodontia. Awarded the 'Best Clinical Paper Prize' for the Paper presented at the XII Indian Orthodontic Conference.	The paper entitled 'Bimax Begg Your pardon.
9	Dr. M.K. Prakash ..	.. Staff Member-Orthodontia. Awarded the 'Second Best paper Prize (P.M. Prize)' for the paper published in the JI. of Indian Ortho. Society in the year 1977.	Paper Efficacy of Gingival Fiber Surgery in the prevention of Totalional relapse with Begg's Technique.

GROUP OF T. B. HOSPITALS

HIGH LIGHTS OF THE YEAR, 1977-78.

I. Expenditure :	Rs.
1. Total Expenditure ..	1,56,36,941
2. Amount spent on In-patients ..	1,36,53,412
3. Amount spent on Out-patients ..	19,83,429
4. Average cost per day on	
(i) In-patient ..	29=00
(ii) Out-patient ..	12=07
II. Significant Activities :	
1. Schedule Bed strength	1,330 G.T.B. Hospitals. +350 Sarvodaya Hospital <hr style="width: 10%; margin: 0 auto;"/> (Hired Beds) 1680
2. Admissions	11,528
3. Daily average of In-patients	1,193
4. Out-patients	23,865
5. Average stay of patient in the hospital	.. 1½ months
6. Operations carried on during the year	.. 597
7. Health visits paid	1,886
8. Patients advised hospitalisation by Board	9,897
9. Patients covered under City Tuberculosis Programme	31,166

Group of T. B. Hospitals is managed by the Medical Superintendent with the help of Deputy Medical Superintendent and Asstt. Medical Officers.

Treatment of T. B. patients of City is provided at 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, Bhabha Hospital, Kurla, Bombay-70.
8. All Free Municipal General Dispensaries.

In addition to the above, the Corporation has hired 200 Beds for T. B. patients and 150 beds for T. B. patients as and when required from the Trustees of Sarvodaya Hospital at Ghatkopar, where Inpatients are treated. Thus, the total beds strength both Municipal and hired come to 1,680 as under :—

G. T. B. Hospitals Sewri :

Total No. of beds reserved for T. B. patients in this Hospital :—

Department	Male	Female	Child	Total
Medical	796	306	35	1137
Surgical	131	62	..	193
<hr style="width: 100%;"/>				
Sarvodaya Hospital, Ghatkopar, (Hired Beds).	927	368	35	1330
	200	150	..	350
Total ..	1127	518	35	1680

After discharge, 5792 patients attended the Hospital for follow-up examination.

G. T. B. Hospitals :

Patients			Discharge			Remained at the end of the year
From Previous Year	New admission	Total	Cured	Othewise	Died	
1,038	11,528	12,566	8,942	987	1,455	11,82

Mortality figures revealed the high incidence in the age group of 26-30. Ratio of death was 12.6% of the total patients treated.

Municipal T. B. Clinics :

The six T. B. Clinics serve as Diagnostic Centres for Pulmonary Tuberculosis patients and Treatment Centres. They also serve as Out-patient Centres, for admissions at G. T. B. Hospitals at Sewri or Sarvodaya Hospital at Ghatkopar.

Out-Patients attended and treated during the year :

Name of the Clinic	No. of patients attended.	T. B. Cases.	Non-T.B. cases.
1. R. D. T. B. Clinic, Dadar	8,838	6,367	2,471
2. Sanaldas Gandhi Marg T. B. Clinic	12,979	3,641	9,338
3. M. M. Munshi T. B. Clinic, Khar	12,792	7,526	5,266
4. Balaram Street T. B. Clinic	3,345	2,277	1,068
5. Nawab Tank T. B. Clinic	810	708	102
6. Sub-T. B. Clinic, Bhabha Hospital, Kurla	4,514	3,346	1,168
Total	43,278	23,865	19,413

Sarvodaya Hospital, Ghatkopar :

350 beds are reserved by the Corporation in Sarvodaya Hospital for T. B. patients as the strength of beds in Municipal Hospital was inadequate.

Sarvodaya Hospital :

Patients			Discharge			Remained at the end of the year
From previous year	New admissions	Total	Cured	Otherwise	Died	
305	1,124	1,429	898	..	247	284

The rate charged by Sarvodaya Hospital, Ghatkopar per patient is Rs. 11.50 Total amount spent during the year comes to Rs. 10,08,890.

POOR BOX :

Collection out of Poor Box is utilised for the benefit of the poor and needy patients and incidental expenses and Rs. 30,615.47 were collected during the year.

TEACHING :

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 Homeopathy students.

CITY TUBERCULOSIS PROGRAMME :

The Ambulatory treatment has recently been upgraded by establishing City Tuberculosis Centre at Khar and implementing City Tuberculosis Programme in collaboration with State Govt. The Central Govt. have agreed for free supply of drug to the City Tuberculosis Programme of the Corporation and their supply is being received regularly.

Under this Programme the whole Area of the Greater Bombay has been divided into sixteen centres (Area Tuberculosis Centres). Two are managed by State Govt. and one by the Maharashtra State Anti Tuberculosis Associations and remaining thirteen by the Municipal Corporation. Work at all these centres is co-ordinated by City Tuberculosis Officer alongwith the Team trained at National Tuberculosis Institute, Bangalore consisting of T. O., S. A., X-ray Tech., Lab. and BCO Team Leader.

Following are the Upgraded Disps., Peripheral. Centres (T. CS.) and BCG Vaccination Centres covered by each ATC.

Ward	Area Sq. Kms.	Population	Name of the ATC	No. of Up-graded Disp./Peripheral Centres (T. Cs.) & BCG Vacc. Centres covered by each ATC.		
				Up-graded Disp. having facilities of screening & Lab.	peripheral Centres (T Centres)	BCG Vacc. Centres.
A	10.48	1,84,531	G. T. Hospital	1	3	5
B	2.47	1,74,536	Nawab Tank T. B. Clinic Mazgaon.	3	1	3
C	1.79	3,11,795	Princess St. T. B. Clinic.	1	3	1
D	6.63	4,47,811	Foras Rd. T. B. Clinic.	—	4	4
E	7.40	4,62,065	J. J. Hospital	5	5	10
F/W	10.5879	3,83,191	Dadar T. B. Clinic	3	2	5
F/E	10.579	2,79,385	O. H. T. T. B. Clinic, Sewri.	4	4	4
G	17.84	8,24,007	Bai Gulbai Disp., Dadar, Bombay-28.	4	10	8
H	25.8	5,23,402	Khar T. B. Clinic, Bombay-52	2	7	2
K	43.00	5,74,275	N. J. Wadia Disp., Andheri	3	5	7
L	13.00	2,98,840	Kurla Bhabha Hosp.,	1	2	1
M	62.19	2,25,000	Chunabhatti Disp.,	—	3	4
N	39.00	3,47,012	Park-site Colony, Vikhroli	—	4	3
P	74.83	3,96,496	Choksey Disp., Malad	1	9	2
R	82.73	2,36,931	Dahisar Mun. Disp.	—	6	4
T	41.44	1,24,272	Bhandup Mun. Disp.,	—	2	2

Every ATC is staffed by Medical Officer, Health Visitor, Auxiliary Nurse and 2 to 3 T. B. Investigators (Treatment Organisers) and some members of lower staff. Out of 16 ATCs, 5 have MMR X-ray equipment and Pathology Departments and the remaining are having screening machines and small Clinical Laboratories. All these Centres serve as diagnostic-cum-treatment Centres. The peripheral Centres which are Municipal Dispensaries serve as Treatment Centres only. A Statistical Unit is located at the G. T. B. Hospitals for collecting data.

As provided under the National Tuberculosis Programme, Central Control Agency is also formed under the Chairmanship of Municipal Commissioner.

BCG Programme :

BCG Vaccination to new borns and children below 14 years of age is carried out in all 32 Municipal Maternity Homes of Municipal Corporation of Greater Bombay. It is also carried out in Municipal Schools (first standard students every year) under the control and supervision of Medical Officer (Schools). There are 62 BCG Vaccination Centres in Greater Bombay.

Maharashtra Governments' BCG Team No. 1 and Organised Home Treatment Clinic, Sewri carry out BCG work in Private Schools. In addition O. H. T. Clinic is also conducting BCG in slums during their shibirs.

BCG Training Centre of Municipal Corporation has been established at Bhabha Hospital, Kurla for imparting training in BCG technique to the staff involved in City Tuberculosis Programme. This Centre is conducted by Non-Medical Team Leader (BCG) Trained at National Tuberculosis Institute, Bangalore.

REGARDING 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 out-put performance are also briefly stated in the statements enclosed.

A. P. RAO,
Medical Superintendent,
Group of T. B. Hospitals.

PERFORMANCE TARGETS AND ACHIEVEMENTS—HOSPITAL.

	Target down	Achievements	Remarks
(1) Indoor cases ..	22,830	14,090	(i) Due to reduction of beds at Sarvodaya Hospital, Ghatkopar. (ii) Due to introduction of system of rationalisation of admissions to T. B. patients, 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.) ..	460	597	
(3) Follow-up examinations ..	5,200	5,792	
(4) Patients kept on Waiting List	10,000	9,897	
(5) X-Rays :			
(a) Mass Miniature Radiography (Nos.) ..	12,000	9,271	Due to non-working of X-Ray machines and non-availability of 70 M. M. X-Ray films.
(b) Big Plates (Nos.) ..	10,000	16,224	
(c) Screening Exams. (Nos.)	1,000	915	
(6) Pathology :			
(a) Blood ..	31,500	33,942	
(b) Sputums ..	30,000	37,298	
(c) Urine ..	11,200	12,350	
(d) Stools ..	3,350	2,423	This is done only when it is necessary and not as a routine one like sputum, blood, etc.
(e) Histopathology ..	100	327	
(f) Sensitivity Tests ..	1,200	1,114	
(g) Pleural fluids ..	100	125	

PROGRAMME WORK—LOAD SUMMARY OF T. B. CLINCS.

1977	R.D.T.B. Clinic Dadar.		Princess Street T. B. Clinic.		Foras Road T. B. Clinic		Khar T. B. Clinic.		Nawab tank T. B. Clinic.		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	
I.—OUTDOOR CASES											
(a) T. B. Cases ...	9,500	6,367	5,000	3,641	3,000	2,277	5,000	7,526	500	708	(1) The X-ray Machines at Pr. Street T. B. Clinic, Foras Rd. T. B. Clinic & R. D. T. B. Clinic were not working intermittently.
(b) Non-T. B. Cases	5,400	2,471	12,000	9,338	2,000	1,068	5,000	5,266	700	102	
Total ...	14,900	8,838	17,000	12,979	5,000	3,345	10,000	12,792	1,200	810	
II.—X-RAYS											
(a) Mass Miniature Radiography(Nos.)	17,000	12,674	20,000	13,924	5,000	...	15,000	12,344	...	401	(2) Pathology Examination are done as and when required.
(b) Big Plates (Nos.)	900	220	200	216	200	...	250	670	...	...
(c) Screening ...	200	...	800	314	100	...	1,000	1,318	100	...	
III.—PATHOLOGY											
(a) Blood Exam. ...	900	327	2,800	1,093	200	127	1,500	1,086	100	36	(3) Screening is done as and when required.
(b) Sputum ...	9,000	7,457	4,000	3,912	4,000	2,853	7,000	12,032	200	623	
(c) Urine ...	600	60	500	58	200	4	200	1,780	...	...
(d) Stool ...	20	...	10	...	10	...	...	...	...	...
IV.—Health Visiting											
	600	331	2,000	420	500	432	300	85	400	525	(4) Under City Tuberculosis Programme pattern of Health Visiting is changed. Health Visitors & Treatment Organisers visit ATCs Gen. Disps. and houses of the patients in the area given to them Hence, Health Visitings are less.

Seth A. J. B. Municipal E. N. T. Hospital

HIGH-LIGHTS :

I—Expenditure :

	Rs.
(A) 1. On In-Patients	12,67,892.66
2. On Out-Patients	6,33,946.33
 (B) Average Cost :	
1. Per In-Patient per day	51.52
2. Per In-patient admission	208.29
3. Per Out Patient attendance	5.26
4. Per Out patient admission	10.89

II—Results :

(A) 1. Scheduled Bed Strength	100
2. Daily Average In-patient in wards	67
3. Admission including those brought over from previous year (6087-54)	6,141
4. Patients discharged	5,117
(i) as cured	917
(ii) as Unchanged	8
(iii) as Left against Medical advice	7
(iv) expired	14
(v) Remained in the hospital on last day of the year.	78
5. Average stay of the In-patients (in days)	2.18
 (B) O. P. D. Patients :	
1. Patients (New)	58,182
2. Daily average of Out patients	190
3. Out Patients (New & Old)	1,20,772
4. Daily average of Out patients attendance	395

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 Bankebihari 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 33 and highest number of Out patients attended on single day was 693 during the year. 5,490 operations were performed on In-patients. In Pathology Department 34,696 Clininopathological investigations were performed, and in Radiology Department 14,000 Radiological investigations were performed during the year. 5,000 X-Ray were taken and 9,000 were recorded for screening. Audiology and Speech Therapy 6,515 Audiograms including 1,500 post-operative audiograms were recorded. 89 speech cases were treated. An Audiology room for full comprehensive hearing tests of handicapped individuals with services of speech and hearing thereapist are also available in this hospital.

An amount of Rs. 9,254.58 collected through poor boxes during the year were utilised to provide hearing aids, trachostomy tubes and free blood transfusions to the poor deserving patients.

The Medical staff consisted of Seven Honorary Surgeons, Two Honorary Assistant Surgeons (Part-time), 5 E. N. T. Registrars, 5 House Surgeons, 1 (P. T.) Anaesthetist, 2 Jr. Assistant Medical Officers, 1 Pathologist (P. T.).

Nursing staff consisted of 1 Sr. Sister, 6 Sisters and 26 Staff Nurses.

Rs. 8,92,335 have been spent on establishment of the hospital during the year.

Classification of O. P. D. Patients :

Sex	O.P.D. New	O.P.D. Old	Total Attendance
Male	24,480	26,271	50,751
Female	17,064	19,530	36,594
Male-Child	10,639	9,400	20,939
Female-child	5,999	7,389	13,388
Total :	58,182	62,590	12,0772

Classification Indoor Patients :

Sex	Admitted	Discharged	Died	Remained in the Hospital
Male	2,533	2,481	10	42
Female	1,797	1,769	2	26
Male-child	945	937	1	7
Female-child	896	892	1	3
Total :	6,171	6,079	14	78

DR. (SMT.) S. C. BASRUR,
Assistant Medical Officer.

CITY ENGINEER'S DEPARTMENT

HIGH-LIGHTS :

I—(a) Expenditure :

	Rs. (In crores)
(i) On execution of Loan Works	15.64
(ii) On execution revenue works	3.40
(iii) On Establishment	12.10
(iv) On other heads—	
(a) From Loan Works Budget	1.98
(b) From Revenue Budget	5.92
(b) Revenue earned :	9.98

II—Achievements :

	Completed	In progress
(1) Building Construction Section—		
(a) Housing tenements	665	1,664
(b) School Buildings	13	27
(c) Markets	1	6
(d) Hospitals, Maternity Home & Dispensaries	3	5
(e) Other building works	10	33
(2) Road Construction Section—		
(a) Road surfacing in Asphalt concrete	12	4
(b) Road surfacing in cement concrete	1	1
(c) N.w Roads including S.W. Drains	15	16
(d) Road widening	17	19
(e) Any other works	20	33
(3) Private Building Construction—	Under Sec.	Under Sec.
	337	342
(a) Building Proposal Residential—		
(1) Received	1,480	1,534
(2) Approved	897	731
Non-Residential .. .. .	..	1,494
(b) Residential buildings constructed by tenements shown in brackets :		
	Private Parties	Co-op. Societies
	Employers for their employees	
	515 (9,128)	234 (4,083)
		32 (547)

(c) Non-Residential buildings constructed by private parties 379

(4) Slum Improvement :

(i) Colonies covered for improvements	63	Population benefited
(ii) Slum cleared and development completed	24	
(iii) Slum under clearance and under redevelopment stages	3	

(5) Mechanical Branch :

- (a) Jobs attended by—
 (i) Workshop—1,362; (ii) Foundry—189; (iii) Design Section—1,066.
- (b) Washing service rendered by Municipal Power Laundry—46. Insts.
- (c) Linen washed by Laundry—63,28,921.

(6) Electrical Branch :

- (i) Building construction section—
 Works by contract—(a) Completed—35; (b) In Progress—33.
- (ii) Plant and Machinery Section—
 Jobs executed (a) Departmentally—607; (b) Through Contract—51.
- (iii) Refrigeration Section—
 Works by contract—(a) Completed—49; (b) In Progress—18.
- (iv) Ward Maintenance Section—
 Jobs executed by contracts—77.

(7) Transport Branch :

Transport Branch used 866 vehicles for rendering various services to V.I.P.s staff and different committees and also for health services, conservancy services, meat van services and encroachment removal services, etc.

(8) Conservancy :

(a) Refuse and other waste matter removal (in tonnes)	3,55,000
(b) Total vehicles employed for removal of refuse (in tonnes)	57,318
(c) Public Latrines maintained (in tonnes)	1,090
(d) Urinal stalls maintained (in tonnes)	1,501
(e) Welfare Centres for the Conservancy employees (in tonnes)	40

- (9) **Acquisition of Land:**
- (a) Properties acquired—
Under L.A. Act : 16. By Negotiations : 10.
- (b) Proceedings in progress—
Under L.A. Act—268. By Negotiations—136.
- (10) **Implementation of town Planning Scheme :**
- (a) Plots taken over by the Corporation 358
- (b) Expenditure incurred Rs. 37,11,214
- (c) Contribution charges collected Rs. 6,66,669
- (11) **Maintenance of Municipal Properties :**
- (i) Buildings—3,941; (ii) Roads—1,435.87
- (iii) Works carried out through P.W.C.—3,513
- (12) **Supervision of Private Buildings and Factories :**
- (i) Notices under different sections of the Act—
Issued—7,085; Complied with—2,942; Pending—4,252.
- (ii) Unsafe buildings or portions thereof removed by the Corporation under section 489 of Bombay Municipal Corporation Act 48
- (iii) Authorities granted to the tenants under section 499 of the B.M.C. Act 91
- (iv) Tenants who took advantage of the authorities 2,865
- (v) Action taken against unauthorised structures 14,449
- (vi) Unauthorised structures removed—
By Parties—920; By Corporation—1,171; Cases where action dropped—939.
- (vii) Factory permits issued 1,612
- (viii) Prosecution Launched 3,118
- (ix) Prosecutions decided in favour of the Corporation 1,587

The City Engineer's Department is charged with the function of Planning and Design and Slum Clearance housing and building projects for offices, schools, hospitals etc. in addition to road Execution of 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. CATTLE SETTLEMENT COLONY :

There was a proposal to have Cattle Settlement Colony on the piece of land admeasuring 613 acres proposed to be taken over at Dindeshi Village, Malad (East), 'P' Ward, subsequently, the Government of Maharashtra decided to shift the Milk Cattle outside greater Bombay limits and original proposal has been dropped. In the mean while Rs. 16 lakhs were spent on the work of providing roads, etc., on land admeasuring 30 acres. Though the department of Revenue and Forest of the State Government informed that under Maharashtra Private Forest Act complete land covered private Forest vests in them, the Minister of Revenue and Forest has been requested to release the land in favour of the Corporation for providing staff housing development of forest hiking facilities and camp sites etc., and there decision is awaited.

2. PLANNING BRANCH :

This Branch headed by Dy. City Engineer (Planning & Design) is mainly concerned with the activities of preparing plans and estimates of Municipal Buildings, invitation of tenders and awarding contracts for the works and also for petty works of repairs to Municipal Buildings, propping work in respect of dangerous building and supply of drawing materials to Municipal Departments. The details of work carried out are as under :—

Particulars	General Building Works		Slum Improvement		Housing	
	City	Sub. & Ext. Sub:	City	Subs.	City	Sub. & Ext. Sub.
(1) Cloth tracing .. .. .	..	4	..	..	3	..
(2) Paper Tracing	453	292	40	114	134	26
(3) Blue Print Copies	22,285	14,050	791	933	688	430
(4) Block Estimates	44	14	..	..	17	..
(5) Amount of Block Estimates (in crores)	16.59	3.20	..	..	2.67	..
(6) Details plans and estimates	61	46	..	..	16	1
(7) Amounts of detailed estimates (in crores)	5.46	7.82	..	..	1.58	0.43
(8) Contracts awarded	63	57	..	..	19	4
(9) Detailed estimates in hand	47	35	..	..	26	1
(10) Approx. cost of detailed estimates in hand (in crores)	23.04	7.76	..	..	4.20	0.40

3. ADDITIONAL ACTIVITIES :

The Department of Dy. City Engineer (Mech. & Elect) Air Pollution—Prevention started functioning from 21st June 1976 when the post of Dy. City Engineer was created.

Under this department there are various sub-offices which are as under :—

- (1) Air Pollution Prevention & Control Cell.
- (2) Central Ambulance Services, including setting up of wireless net work for water works Department and Central Ambulance services.
- (3) Civil Defence.
- (4) Municipalisation of Bombay Gas Co.
- (5) Project on supply of Natural Gas in Greater Bombay.
- (6) Remodelling of Mahalaxmi Dhobighat.
- (7) Expansion of Deonar Abattoir.
- (8) Office of the Executive Engineer (Mechanical).
- (9) Office of the Executive Engineer (Electrical).

(1) Air Pollution Prevention & Control :

Though the growth of industries in Bombay is slowed down due to the Government Industrial Location policy, the Commercial activities are increasing causing increase of vehicular traffic and thus air pollution levels are rising due to the combined effect of industries and automobiles. To deal with the day-to-day problems connected with environmental pollution and to control the same, an Air Pollution Control Cell has been set up from 21st June 1976.

The Air Pollution Control Cell has two wings :—

- (i) Air Pollution Survey and Analytical wing and
- (ii) Enforcement wing, the first deals with the air quality surveillance and assesses the levels of pollution in different areas, the stack emission inventory, the nature of pollutions etc while the second investigates the complaints concerning pollution and suggests measures for abating the same.

(I) Survey and Analytical wing :

A separate analytical laboratory has also been set up at Worli from 17th January 1978 to deal with monitoring of ambient air, industrial stacks for various pollutants, viz. sulphur dioxide, sulphur trioxide, oxides of nitrogen, oxidants, hydrogen sulphides particulate matter, etc. together with meteorological parameters like wind speed, with direction, humidity, temperature and rainfall etc. Apart from this the analytical laboratory also analyses the air samples collected by NEERI in Health Survey Programme which has been sponsored by Corporation.

Activities of Analytical wing during the year :

- (1) Industrial stack sampling was carried out at Rashtriya Chemical and Fertilizer (Trombay Unit).
- (2) Messrs Godrej Soap and Messrs. Bombay Soap Factory was thoroughly inspected for their specific complaints.
- (3) Messrs. Hickson and Dadajee's Chemicals factory was thoroughly inspected and remedial measures have been suggested to reduce atmospheric pollution.
- (4) Ambient air monitoring station has been started in Worli to measure the level of various pollutants. The meteorological parameters being wind velocity and direction, air temperature and precipitation like rain etc, co-relation of the ambient air monitoring data of pollutants with the prevailing meteorological conditions is quite necessary to have a correct knowledge of air pollution. To achieve this end, it is proposed to set up ten micrometeorological stations along with monitoring stations at the sites in Greater Bombay limits.

All preliminary work connected with these ten monitoring stations is completed including design of special type of housing for the station equipment procurement appointment of staff, etc.

(II) Enforcement wing :

During the year 1977-78 the following cases were investigated scrutinized by this wing :—

- (i) Air Pollution complaints (Noise, odour, vibration & smoke nuisance) .. 136 Nos.
- (ii) No objection certificates issued for boilers thermopac units, oil/coke fired furnaces, Diesel Generating sets and ovens. 169 Nos.
- (iii) Proposals for bakeries, flour mills, eating houses, masala mills, hotels, Asphalt Plants. 28 Nos.
- (iv) Cases of renewal of permit and regularisation rejection of additional loads .. 28 Nos.

Special projects listed below were also undertaken by this Department :—

- (1) Survey of non-conforming industries in Greater Bombay from Pollution angle.
- (2) Survey of eating houses/hotels (Grade-I & II and five star) from air pollution and ventilation point of view.
- (3) Scheme for getting revenue for the Air Pollution Prevention Cell.
- (4) Collection of data regarding fuel consumption of 63—Textile Mills for further analysis and study proper fuel policy with a view to control air pollution in Central Bombay.
- (5) Installation of Pollution Control equipment for the boilers of industries which have switched over to coal as fuel and considered by the Committee constituted by the State Government.

Details of each Special Project as follows :

(a) Non-conforming industries survey :

Information in prescribed proforma for the industries situated in Greater Bombay Region (which are non-conforming according to zonal Regulations) was collected from all ward offices in Greater Bombay.

A detailed survey was conducted by this department to assess the pollution potential and nuisance value of individual industry.

(b) Survey of hotels :

Arising out of several complaints M.C. directed this Department to carryout a survey of all the hotels in Greater Bombay region.

Kitchens of the hotels were inspected by this Department to investigate irregularities and to check up the adequacy of pollution control measures specially for ill-ventilated kitchens. A detailed report had been submitted to the concern Department for taking suitable action. This special work will continue during coming Administrative year also.

(c) Revenue for air pollution prevention cell :

The Corporation has set up this cell with an objective to give healthy and comfortable living to the citizens of Bombay, with the increasing trend of industrialisation and problem of air pollution thereto. To achieve the objective of this cell, a well equipped laboratory and well knited air quality surveillance net-work all over Greater Bombay is required to be set up with sophisticated imported equipments. The expenditure on the activities of this cell for one year is estimated to Rs. 20 lakhs each which will be of recurring and non-recurring nature. Amount of Rs. 26 lakhs is proposed to be collected by levying additional fees in respect of the industries for which Municipal Permit under Section 390 and 479 of the Bombay Municipal Corporation Act is issued. The additional fee is proposed to be levied, so that the expenditure on account of the Air Pollution Prevention measures could be offset to the extent of the revenue so collected.

(d) Data collection from various textile mills in Central Bombay and Industries in Chembur Trombay Region :

63 textile mills and industries in Chembur Trombay region were issued notices for installation of stack monitoring equipments to—

- (1) Determine conditions of air pollution and amount of pollutants released into the air; and
- (2) Evaluated influence caused by pollutants.

Textile mills which constitute major pollutants in the thickly populated Central Bombay area have appointed consultants to deal with the matter further. Industries in Chembur, Trombay region are also taking steps in the matter.

Data regarding fuel consumption of the above industries was collected and intensity of pollutants emitted from various stacks is being evaluated by this department.

(e) Conversion of boilers from oil fired to coal fired ones :

With a view to save valuable foreign currency on import of ' CRUDE ' the use of indigenously available coal was advocated by Messrs. Coal India Ltd.

As a result industries in Bombay started switching over to coal as fuel for the existing convertible boilers. In order to evaluate the performance of the boilers and pollution potential, the Committee constituted by the State Government selected 24 boilers from the industries. This department asked these industries to equip their boilers with pollution control equipment. Four industries have complied with the stipulations for their 8 boilers and their performance is being evaluated. All other industries so selected have partially complied with the requirements.

The enforcement wing also dealt with cases of water pollution caused by the Industries in Suburbs and extended suburbs. The Industries which were not complying with the consent letters granted by the Maharashtra Prevention of Water Pollution Board were served with a notice for severing of water connections. The action to cut-off water connections of two such Industries was also taken. This had salutary effect and all the industries have started taking action to treat these industrial effluent. The total number of Industries against whom the action was launched is 20.

(III) Health Survey Unit :

This unit is set up at the K.E.M. Hospital and all technical work is looked after by the Prof. of Chest Medicine. The Air Pollution Control Cell; however, looks after the administrative side of this unit as far as budget provisions and policy matter is concerned.

(2) Central Ambulance Service :

The pilot scheme launched at L.T.M.G. Hospital Sion, has been functioning very smoothly. During the year under report, more infrastructure facilities are planned before the large scale operative is undertaken in the next financial year.

(a) Emergency Medical Centres :

The work of additions and alterations in the permanent O.P.D. Building at L.T.M.G. Hospital so as to provide additional facilities such as I.C.C.U. separate operation theatre, piped oxygen supply etc. are in progress. The work of construction of emergency medical centres at Dr. R.N. Cooper Hospital, Juhu and Smt. M. T. Agrawal Hospital, Mulund is in progress and is expected to be completed during the next year.

(b) Ambulance :

The fabrication of one proto-type 'B' category ambulance has been completed. It is also provided with piped oxygen supply and will be put into commission shortly.

(c) Wireless sets :

The Government of Maharashtra has recommended our application for the allocation of 16 frequencies to the wireless Advisor to the Government of India who has been requested to expedite the matter. The Bharat Electronics Ltd. will be requested to proceed with the manufacture of wireless sets as soon as we hear about the allocation of frequencies.

(d) Wireless Workshop :

Pending finalisation of site for the Head Quarters under the scheme, it is proposed to make beginning rewireless work-shop at suitable site on the premises of L.T.M.G. Hospital. The proposals regarding purchase of equipment for such work-shop are under process.

(3) Civil Defence Cell :

The civil defence cell was created in the year 1971 to look-after the civil Defence Measures to be taken by the Municipal Corporation and to have a liaison with the State Controller of Civil Defence and State Directorate of Civil Defence. During the year underreport, the following works were attended to by the Civil Defence Cell.

(i) Civil Defence Training :

61 sub-units in all wards, Engineering Departments and Hospitals were formed to decentralize civil defence activities and impart training in civil defence courses to all the Municipal staff as a continuous process.

(ii) Civil Defence Plans :

The operational and survival plans of essential services are being reviewed periodically updating these plans.

(iii) Static Tanks :

Three newly constructed tanks were tested and taken over for maintenance and four new sites were released to the Government for construction of static tanks.

Vigilance in Mechanical and Electrical Sections :-

(1) 91 Departmental proposals were pre-audited and 76 sites of Electrification and refrigeration works costing Rs. 84 lakhs were inspected and rebate amounting to Rs. 11,720 was proposed for recovery.

(2) The staff proposals and specification of plant and machinery from these departments were also scrutinized.

(3) M.B.O. Programme and project monitoring pertaining to electrical and Mechanical Departments was also undertaken.

(4) Municipalisation of Bombay Gas Co.

The Corporation had already passed Resolution to Municipalise the Bombay Gas Co., and the Government of Maharashtra was informed accordingly. Final orders were awaited. In the meantime various pollution control measures have been suggested to the Bombay Gas Co. and steps are taken under the provisions of the Bombay Municipal Corporation Act to enforce them on the company. Also the matter regarding renewal of the permit given to the Bombay Gas Co. is kept pending. The Municipalisation of the Bombay Gas Co. is very closely related to the issue of distribution of Natural Gas in Bombay.

(5) Distribution of Natural Gas in Greater Bombay :

With the prospects of availability of about 4.1 MM associated gas from Bombay High, there is a very good scope for supply of Natural Gas as piped fuel in the Domestic, Industrial and Commercial Sector of Greater Bombay. With this view in mind a preliminary study report was submitted to the Government of Maharashtra. On the basis of this report and the recommendations of high level co-ordination Committee the Government recommended initially a quantity of 0.65 MM of Natural Gas for distribution in Greater Bombay. The Corporation decided to prepare a Techno-Economic Feasibility Report on Utilisation of Natural Gas in Greater Bombay by appointing consultants in this field. The officers of the Corporation also took part in the discussions of various Committees appointed for this purpose. Finally the working group of the Government of India has recommended 0.83 MM of Natural Gas for distribution in Greater Bombay in Domestic and Industrial Sector. Further Environmental Impact studies are proposed to be carried out before final decision is taken by the Government of India in this respect. Consultants will be appointed by the Corporation who will be entrusted with this work also.

(6) Remodelling of Mahalaxmi Dhobighat :

Under Section 386 to 388 of the Bombay Municipal Corporation Act, the Municipal Commissioner has to regulate the places used for washing and drying clothes. Accordingly Dhobighat is in operation near Mahalaxmi Railway Station under the control of the Executive Health Officer. There are 357 bhatties and 609 washing stones provided at Dhobighat. The residents in the locality are bitterly complaining about the pollution created due to the operation of the Dhobighat.

Since shifting of this Dhobighat was not a practical proposition and since provision of Mechanised laundry etc., was not economically viable, it was decided to give relief to the residents by supplying live steam to the bhatties directly from Central Heating Plant rather than producing it at each and every bhatti. The scheme is estimated to cost Rs. 25,00,000. The preliminaries connected with this project including Techno-economic viability studies are already completed.

(7) Expansion of Deonar Abattoir :

The Slaughter House at Deonar, constructed at the cost of Rs. 4 crores, though commissioned in June 1970 was started working to full capacity in May 1972 on account of persistent demand for increasing the output in sheep and Goat and horned cattle units necessitated due to the demand in export market, it has been decided to provide two additional lines in the Slaughter House for Sheep and Goat which would increase the capacity by 4,000 per shift of 6 hours. Similarly it is also proposed to provide one additional slaughter house for slaughtering horned cattle which increase the capacity by 300 per shift for six hours. The present capacity in two shift working is nearly 800 cattles.

A sum of Rs. 60,00,000 has been proposed for the aforesaid expansion in the Budget for 1978-79, and the preliminary work for invitation of tender was completed during the year under report.

4. MECHANICAL BRANCH.

During the year under review Municipal work-shops received 1,426 fresh jobs. Total No. of jobs completed 1,362 Nos. including some pending jobs of previous years (136 Nos.). The total expenditure on the departmental work amounted to Rs. 33,79,715. The upkeep and overhead charges amounted to Rs. 5,59,540 which work, out to be 16.59 per cent. incurred on the Labour and Store. The Labour strength during the year was about 429. These were 296 working days during the year.

(i) *Machine shop* : Repairs to the pump of Purification works and pumping station are undertaken. Special jobs of large size pumps of L.G.P. stations are carried out and some are in hand. In addition manufacturing of Impellers, C.I. bushings shafts of Pumps and C.I. castings undertaken. Complete overhauling of pumps, repairs to the steel furniture of hospitals, Lawn movers of garden department are undertaken. Shaft spindles sheds, brass bushes were also manufactured. Help was given from repairs to the compressor and victoria Garden and for repairs for blowers etc. at Chandanwadi Crematorium. Some remarkable heavy type of jobs of the Road Rollers section were undertaken.

(ii) *Boiler shop* : In this section the major jobs one of fabrication of refuse bins and handcarts for Conservancy Department. Repairs to the boilers, fabrication and repairs to the iron hand cart also undertaken. Children apparatus for Garden Department fabricated. Various type of fabrication works of different department were undertaken.

(iii) *Carpentry shop* : The usual works undertaken in this shop are repairing, redamning and polishing of the furniture of different departments. Besides different type of racks notice boards, benches were manufactured. Hand-carts wooden keys are regular product. Diving boards for Swimming pools and some such other special jobs were undertaken. Repairs to seats, Sofas, of Hospitals and Head Office were repaired. Fabrication of wooden trollies for Municipal Power Laundry undertaken.

(iv) *Paint shop* : In the paint shop besides day to day work of painting of name boards, of various departments, painting of vehicles furniture, hand-carts, refuse bins wheel barrows were carried out.

(v) *Municipal Foundry* : 180 jobs were received from workshop and various department for the supply of different castings. 16 work orders received from Dy. C.E. (Stores) for the supply of 940 Nos. of Manhole frames and covers and 100 Nos. of Rectangular Manhole frames and covers and 310 Nos. of perforated Manhole covers.

(vi) *Design section* : Mechanical Design Section prepares estimates, blue prints and specification from Machinery and furniture and Mechanical equipment and invites tender and sealed quotations for all type of mechanical jobs for Municipal Departments. It also helps the other Mechanical and Electrical Departments in carrying out their works.

Important works were executed during the year.

- (1) Fabrication and supply of double wheeled refuse hand cart from H.S. Department.
- (2) Purchase and installation of Guillotine shear machine for Municipal work-shops.
- (3) Fabrication and supply of M.S. square tree guards from Garden Department.
- (4) Manufacturing and supplying special type of wooden furniture articles for A.P.P. Department.
- (5) Supply painting steel furnitures.
- (6) Fabrication and supply of M.S. welded mesh type triangular tree guards from Garden Department.
- (7) Polishing wooden furniture.

General Repairs Works

Main gates	20	Carpentary job	600
Collapsible gates	130	Painting	450
Rolling shutters	66	Annual Survey & Inspection of boiler	3
M.S. Tanks	295	Requirements of Hospitals	2400
Equipments of cemeteries	22	Masonry repairs	230
Mutton and vegetable stalls etc. at Markets.	250	Major Job such as erection demolition special repairs and shifting of heavy materials and Machinery etc.	240
Steel windows etc. at Bldgs.	495	Tree guards cutting	800

Special Works

- (1) Removal of vent pipe at Sun Mill Lane.
 - (2) Purchase of Kitchen equipment at H.B.M.G. Hospital at Borivali and for new Kitchen at Nair Hospital.
 - (3) Repairing of weighing Machine at New Dadar Market.
 - (4) Manufacturing and supplying of double wheel tipping barrows for all the Ward Offices.
- (vii) *Municipal Power Laundry* : The Laundry washed 63,28,921 lines of 46 Medical institutions at the rate of Rs. 50 per 100 pieces of linen.

5. 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 a invitation and recommendation of Tenders. Execution of contracts for major electrical works in the newly constructed and old Municipal Buildings under the Loan Works Programme in 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 contracts. 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 carried out repairs and maintenance of Electrical Machinery and Electrical Works in the existing Municipal Properties.

Area	Works orders received	Carried out through Deptt.	Cost thereof	Carried out through contract	Cost thereof	Estimates prepared	Cost thereof
			Rs.		Rs.		Rs.
City		607	9,06,855	18	1,26,157	70	1,51,73,255.
							outstanding)
Suburbs				33	32,57,730	106	1,33,29,197

(iv) *Ward Maintenance Section* : This section carries out electrical works in the existing Municipal properties other than those looked after by the plant and Machinery Section.

There were 156 estimates amounting to Rs. 21,26,730 prepared and works of electrifications providing pumping sets, providing fans, fillings, clocks etc. amounting to Rs. 6,66,296 were executed by awarding contracts.

(v) *Refrigeration Section* : This section is entrusted with the preparation of estimates, invitation and recommendation of quotations and tenders, execution of contract and supervision of in respect of works for purchase and installation of air conditioning and Refrigeration Machinery under Loan Works Programme, as well as under the Revenue Budget for City and Suburbs. More over, the works pertaining to repairs, maintenance and servicing of existing air conditioning refrigeration machinery in City, Suburbs, and Extended Suburbs is also looked after by this section. The work of Repairs/Maintenance are carried out through private agencies by inviting quotation and by entering into service contracts. A beginning has, however, been made from this major Municipal estimate (See Appendix-7).

6. REPAIRS BOARD CELL :

Two Assistant Engineers with four Sub-Engineers were working in this cell under the guidance of the City Engineer. This cell has been created in May 1970 for doing such work as will help the members representing the Corporation on the Bombay Housing and Area Develop Board to play their roles effectively and also to collect such information and they may need for giving effect to the provisions of Bombay Municipal Corporation Act, concerning the repairs actions as enunciated under the Section 102 of Maharashtra Housing and Area Development Act 1977.

The board features of the work done by the staff working in the Repairs Cell during the period under reference are as under —

- (1) Preparation of Agenda notes for Boards' meetings, Executive meetings and special meeting held every month (15 Nos.).
- (2) Scrutiny of the proposals under Section 88(3) of the Board's Act (13 Nos.) Scrutiny of the drafts schemes submitted by the Repairs Board Reconstruction of Buildings (50 Nos.).
- (3) Site inspection of the location of the buildings which were to be undertaken by the Bombay Building Repairs and Reconstruction Board for structural repairs (39 Nos.).

The inspection work necessary to determine admissibility of structural repairs to such buildings viz. if affected by the D. P. reservations, proposed regular line of road, road widening schemes etc.

(4) Replies to interpellations, short notice questions and notice of motion by the members in the Corporation and in the different committees meetings, replies to assembly started questions referred to by the State Government etc.

(5) Comments on the proposals referred by Building, proposals section were given on the repairs to the cessed buildings for considering the permission for repairs, etc. (165 Nos.)

(6) Giving comments and replies to the references made by Dy. Secretary to Government, U. D. P. H. & H. D. P. in respect of draft schemes etc. proposed by the Board as provided in Chapter VI of Bombay Building Repairs & Reconstruction Board Act 1969.

7. SLUM.

Since the establishment of the Cell in 1969 the works of construction of the huts providing amenities in different hutment colonies has been continued. The programme was then taken by Maharashtra Slum Improvement Board, now Bombay Housing and Area Development Board. They gave a grant of Rs. 1,93,41,156/- to the Corporation for the execution of Slum Improvement works during the year, 1977-78. The colonies comprising of a population of about 1,00,335 people were being provided amenities under the Slum Improvement Programmes during the year. So far the Corporation have provided about 281 Nos. of water taps, 393 Nos. of W. C./A. P. seats, 25,900 sq. mts. Passages and 12,540 R. Mts. of Drains upto 31-3-1978.

The Corporation under the Slum Improvement Programme has taken the work of provision of schools Markets, Dispensaries, welfare Centres, Sub-stations, colony offices etc. in the major colonies and has spent Rs. 56,36,428/- during the year. These works are in progress.

The details in respect of the colonies improved and being improved during the year 1977-78 is given below.

1. No. of colonies on Municipal Lands.	..	60 Colonies.
2. No. of colonies on Govt./MHB Lands.	..	3 Colonies.
Total	..	63 Colonies.

(b) Clearance of Slums: This branch is mainly concerned with the following :-

(i) Preliminary Survey of Slum area, declaration of Slum Clearance as "Clearance Areas" making of clearance orders and compulsory acquisition under provisions of Section 354 of B. M. C. Act.

(ii) Acquisition of Slum properties falling under clearance area.

(iii) Formation of schemes for development of clearance areas with financial assistance from Government.

(iv) Claiming financial assistance of loan and subsidy from the Government and maintaining the record of the same.

(v) Taking preliminary steps for declaring "Clearing Areas" under section 354 of B. M. C. Act for enabling the B. B. R. & R. Board to carry out repairs and reconstruction schemes under the Board's Act.

(c) Slums of Municipal Land: During the year, the Corporation have not acquired any slum areas for development.

24 slums declared and development completed.	3 slums under clearance and redevelopment in stages.
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8. BUILDING AND ROAD MATERIALS TESTING LABORATORIES AT WORK :

I BUILDING MATERIALS TESTING LABORATORY.

Particular of samples.	Deptt.	Govt. works.	Private works.	Total.
Concrete.	.. 3192	3464	1214	7870
Bricks.	.. 1108	520	75	1703
Cement.	.. 158	6	12	176
Misc. (Aggregate Analysis)	..	(Not separated)		124
Cost recovered—	Rs.	Rs.	Rs.	Rs.
Concrete.	.. 900	25,980	18,210	45,090.00
Bricks.	.. 14,410	6,760	975	22,145.00
Cement.	.. 14,490	630	1,260	16,380.00
Misc. Test	..	(Not separated)		705.00
Hire of mould.	..	(By Deptt. contract)		2,238.00
Total.	.. 29,800	33,370	20,445	86,558.00
Free cost of testing cement. & Concrete—	Rs. 48,000			

II. ROAD MATERIALS TESTING LABORATORY.

Tests.	Number of tests done.	Amount of Revenue earned.
1. On Asphalt Mixes.	2307	3,656.00
2. On Soils.	2097	3,235.00
3. On Aggregates	296	100.00
Total	4700	6,991.00

9. BUILDING CONSTRUCTION BRANCH :

This branch supervises the work of building construction after contracts are awarded by Planning and Design department. A synopsis of the works done by this branch during the year is as under :

Particulars	Zone	Works Completed		Works in Progress	
		Nos.	Cost (in lacs)	Nos.	Estimated cost (in lacs)
1. Housing—					
(a) Works including Pile foundation	I	7	..	9	..
	II	2	..	..	85.33
	III	..	..	..	..
(b) Structures	I	9	84.73	9	77.92
	II	..	..	6	..
	III	..	..	..	..
(c) Tenements	I	347	..	248	..
	II	..	..	576	..
	III	300	37.68	816	116.28
2. Other Than Housing—					
(a) Schools	I	5	106.35	7	109.38
	II	2	7.07	12	237.52
	III	6	85.94	8	125.91
(b) Markets	I	1	0.50	2	16.36
	II	..	..	3	51.56
	III	..	..	1	10.23
(c) Hospital & Maternity Homes	I	3	7.32	5	56.16
(1) Pile Foundation	II	..	..	3	110.97
(2) Super Structure	I	..	..	..	..
	III	3	55.95	4	195.18
(d) Other works	I	4	11.18	11	171.93
(1) Office building	II	..	..	7	177.10
	III	..	..	1	45.61
(2) Fire station	III	..	..	1	4.29
(3) Cemetery	III	..	..	1	11.28
(4) Lift	..	..	..	..	..
(5) Trial bores	III	..	..	1	0.18
(6) Garage	III	1	3.87	1	38.25
(7) Water-proofing treatment	III	1	5.98	1	2.75
(8) Gunite treatment	..	..	..	..	..
(9) Air condition unit	III	..	..	1	1.04
(10) Electrification	III	1	1.58	..	..
(11) Compound wall & play ground	III	..	..	1	1.20

10. MAINTENANCE OF MUNICIPAL BUILDINGS AND ROADS :

- (i) **Municipal Buildings :** Municipal Buildings in the City at the end of the year were
- (a) **Housings :** 1004 (Tenements 33081) in the City, and 474 (Tenements 9224) in the Suburbs.
- (b) **Other Buildings :** 1276 in the City. 743 in the Suburbs.

The work of maintenance is classified under the major heads (1) Normal Repairs (2) Special Repairs and (3) New Works. Normal Repairs includes works of monsoon repairs. Special repairs cover the works which are likely to increase the life of buildings or structures were as the work of additions and alterations to the buildings as also those of providing additional amenities full 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 4.75 crores (city Rupees 2.84 crores and suburbs Rupees 1.91 crores) out of this an amount of Rupees 1.84, 2.84 Crores was spent on Normal maintenance. An amount of Rupees 3.08 crores was spent on new works and special repairs work. Works costing Rupees 4.02 crores (city Rupees 1.91 crores and suburbs Rupees 2.11 crores) were executed through the petty works contractors.

(ii) Roads and Foot Paths :

(1) Length of Roads (K. M.)

	Cement Concrete	Black tapped	Selt Paved	Water bound macadam	others	Total Length.
City	66.06	260.84	0.53		106.20	433.63
Suburbs.	121.70	704.79		53.00	22.75	902.24

(2) Improvement to Road—

City	Area (Sq. Mtrs.)	12.500	2.000		370.32
	Expenditure (rupees in in lacs)-	2.80	0.28		12.64
	Area (Sq. Mtrs)		463.79		69.765
	Expenditure (Rupees in in lacs)-		24.33		29.79

(3) Rs. 15.72 lacs and Rs. 54.13 lacs have been spent on repair road including reinstatement of trenches and 51,572 sq. mtrs. and 11,61,44 Sq. Mtrs. of different types of road surface work improved departmentally in City and Suburbs respectively.

(4) 134 Works and 530 works costing Rs. 30.21 lacs and Rs. 100.00 lacs respectively in the city and suburbs were executed through the Annual Petty Works Contracts.

(5) 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.

(6) Miscellaneous work like repairs repainting of street name boards, providing new board maintenance of Public monuments, benches on the foot-path and guard railings were under taken as usual.

(7) While widening Road 1,839 Sq. Mts. land in City and 42,535 Sq. Mts. in suburbs was acquired under setback and compensation claims for set back settle during the year amounted to Rs. 200 lac from city and Rs. 7.33 lacs for Suburbs.

(8) There are 43 road rollers out of which 2 were petrol driven and 38 were diesel driven and steam driven 3 steam rollers were in non working condition and were stacked at Khar Depot.

(9) Permits : 4,087 Permits in the City and 6,109 permits in the suburbs were issued for excavation in roads and foot-path the cost of reinstatement of disturbed surface was charged to the respective permit holders and the trenches were repaired amount of Rs. 21,505 in city and Rs. 53,932 in suburbs were recovered as fees for the purpose. 14,837 Notices under section 322(b) of the Bombay Municipal Corporation Act were issued in city against unauthorised occupation of roads and foot-path by dumping building materials. In additions 2,335 permits were issued for occupation of roads for erecting mandaps, placing chairs and benches etc. and Rs. 43,639 were realised therefrom The amount recovered in suburbs was Rs. 5,120.

(iii) Asphalt plant and crushers : During the year foot-paths and roads covering an area of 1,97,041 Sq. Metres were asphalted at cost of Rs. 26,67,248.37 lacs (Appendix 2).

The Municipal hot mix asphalt plant at Worli was in operation through out the year except during monsoon from July 1977 to October 1977. The Pegson plant mixer worked for taking out asphalt chip mixture and cold mixed material required to fill in the potholes in the city and suburbs. The labourers for running the Asphalt plant were engaged departmentally. The total 18,43,711 meters (exclusive of Potholes and trenches) measuring an area of 1,110+11,560 (Sq. meters) of Roads and foot-paths was repaired during the year as against 1,92,815-Sq. Meters in the previous year.

Different roads admeasuring 204 Sq. Mtrs were repaired with 3" sheet Asphalt.

Capital roads admeasuring 1,07,794 Sq. Mtrs. were repaired by grit coats or chip coats. The seal coating and different miscellaneous works admeasuring about 3,516 Sq. Mtrs were also carried out. Footpaths covering an area of 560 Sq. Mtrs were asphalted with seal coat.

Different Roads admeasuring 3,778 Sq. Mtrs. were repaired with binder and Macadam.

The hot mix plant and pegson plant worked for 297 days and remained closed for 68 days on account of rainy season, Sunday, holiday and break downs of plant.

The rates adopted for booking expenditure for different mode of construction were the same as per previous year. The total expenditure for repairing the road surface the cost of which changeable to repair grant amounted to Rs. 26,67,248.37.

The area of 84,349 Sq. meters was repaired by providing surface coat, chip coat, grit coat etc; an grouted road. The total turn out by main and Pegson plant were 99,77,850 Kgs. and 40,00,370 Kgs. approximately.

11. PUBLIC STREETS LIGHTING :

(i) *Lighting* : Electric street lamps on the roads, gardens on foot over bridges were 22,958 in the city and 28,164 in suburbs giving an increase of 521 and 826 respectively over the last year.

The details of the different types of street lighting lamp wattages varying from 200 watts. (Tungsten Filament) to 1,000 watts. T.F. and varying from 80 watts (High pressure Mercury vapour) HPMV to 400 watts HPMV are shown as follows :—

Description	T.F. Lamps	H.P.M.V. Lamps	Fluorescent Lamps	T.D. Bollards	Total
Municipal	300	10,722	119	179	11,320
All-in-Hire	Nil.	10,455	1,704	Nil.	12,159

Besides 23,479 street lighting lamps, there is one Police mens' spot light 40 lamps along the F.O.B. at Chowpatty, Marine Lines, Charni Road, Churchgate, Byculla, Dadar Station (Central Railway and Western Railway) Dharavi, Sion and Koliwada Railway Station.

During the year 53,18,199 kilowatt (load) and 19,11,222 kilowatt (Units were consumed for maintenance of street lighting through B.E.S.T. undertaking.

Additional expenditure of Rs. 3,93,491.47 has been incurred on street lighting on number of roads and gardens, new streets, lights were provided on some of new roads constructed, some lamps were required to be shifted from traffic point of view of widening of roads.

Additional expenditure of Rs. 2,70,128 was incurred for the rebate given to Bombay Port Trust Authorities as usual due to lighting of 707 Nos. Street lamps in B.P.T. roads cotton depots wharf docks and bunders.

As usual important statues were illuminated with flood light and foot top lantern and special blended lamps during the year the street lighting of 13 Nos. of roads was improved by covering the lower wattage and mercury vapour lamps.

The street lights on 13 Nos. of roads were improved by covering 4/40 watts fluorescent or 3/80 watts fluorescent lamps 250 watts mercury vapour lamps.

The street lighting was improved 15 junctions by providing additional higher watt mercury vapour lamps during the year.

The street lighting was provided on 21 Nos. of new roads in the City during the year. The street lighting lamps were provided on passage in the 10 Nos. of hutment colonies on Municipal land during the year.

The street lights were provided on 5 Nos. of private passages or lanes under section 63(k) of the Bombay Municipal Corporation Act.

The temporary lighting arrangement was provided during the ganpati festival at Mahim creek Shivaji Park, Prabhadevi, Haji Ali, Worli, Girgaum, Colaba and Cuffe Parades, Sea Beaches and also at Gate way of India during the new year Eve for public safety.

(ii) *Removal of vehicles* : Vehicles which were found undergoing repairs or abandoned on public roads or footpaths there by causing obstruction to traffic and pedestrian, removed to the Municipal custody under section 314 of the Bombay Municipal Corporation Act. During the year under report total number of vehicles removed to Municipal custody was 1568 out of which 1,428 vehicles relieved by the parties were released on payment. Steps are taken to auction the unclaimed 142 vehicles to recover Municipal dues :—

(iii) *Traffic* : The work of constructing traffic island, Central dividers R.C.C. railings were carried out on 45 roads to the approximate cost of Rs. 16,38,180.

Automatic traffic signals are installed at Mahatma Gandhi Road, Hajarimal So mani Marg and Karmveer Bhaurao Patil Marg, Junction Road, Fort Vasudeo Balwant Phadke Chowk, Shamaldas Gandhi Marg, Junction and Kalbadevi Junction, Nariman Point Junction, Netaji Subhash Road and Dinshaw Wancha Road Junction and Netaji Subhash Road Junction. Veer Nariman Road, Chowpatty Junction, Wilson College and Chowpatty Band Stand Junction.

(iv) *Construction of Roads* : Two Road branch attends to Road works, Bridge works, Nallas, S.W. Drains in City. Eastern Suburbs and Western Suburbs it is in charge of

(1) Preparing plans and estimates of resurfacing of existing roads, construction of new roads widening of roads, improvement of private street and Bridge works, Nalla works, S.W. Drains, etc.

(2) Invitation of tenders and awarding contracts for road works, S.W. Drains, Bridge works, Annual repairs of party works of drainage and anti flood works.

(3) Supervision on the above work.

(4) Invitation of tenders for supply of road metals, 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.

The Project Branch is in charge of construction of Roads, S.W. Drains, nalla and Bridge works and other works under Bombay Urban Transport Project approved by world bank.

A synopsis of the work done by this branch during the year is shown in Appendix No. 6.

Appendix No. 9 shows the works completed and those in progress.

(v) *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 out fall 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 Kachha 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 S. W. Drains and desilting of S.W. Drains and desilting of S. W. Drains and providing prestressed gully gratings.
- (2) Invitation of tenders and awarding contract thereof.
- (3) Preparing mode of construction for the road side S.W. Drains in suburbs.
- (4) Desilting of existing S.W. Drains in city area.
- (5) Establishment of flood contract rooms during the Monsoon period during the year, 46 estimates for training of nallas, 15 estimate for underground S.W. Drains in suburbs and Extended suburbs have been prepared, 10 estimates for S. W. Drains in City have been prepared and 12 works costing Rs. 1.05 crores have been completed.

12. PRIVATE BUILDINGS AND STREETS :

(i) *Building proposals* : 2,524 proposals (1,097 in city and 1,427 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 were received during the year. Out of those 1,408 proposals (256 City and 1,152 Suburbs) were passed.

Serial No.	Particulars	City	Suburbs
1	Building applications received	1,097	1,427
2	Permits for construction of buildings issued	386	1,242
3	Completion certificate received	256	1,152
4	Building dealt with	218	2,635

(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	35	480	677	8,451
(b) Co-Operative Societies	4	230	126	3,957
(c) Employers for their employees	8	24	82	465

1,494 proposals (763 City and 731 Suburbs) for non-residential building were received during the year out of which 1,205 proposed (774 City and 431 Suburbs) were disposed of and 379 non-residential buildings (44 in City and 335 Suburbs) have been constructed during the year.

14 proposals for amalgamation (City and Suburbs 14) and 3 proposals for Sub-Division (in the city and 3 in Suburbs) were received and some of them were sanctioned on merit.

Out of 20 proposals received for the commencement certificate in respect of T.P. Scheme areas 8 proposals have been approved (i.e. 8 in Suburbs)

(iii) *Improvement of private Streets* : Action under the provision of the Bombay Municipal Corporation Act is taken to improve private streets different types of action taken by the section are as per Appendix 10.

13. TRANSPORT BRANCH.

The Transport Department is entrusted with the maintenance and operation of vehicles for all the Municipal Departments. These were 776 vehicles and 90 trailers in fleet. Overall efficiency of the fleet was maintained throughout the year. The vehicles were used for rendering various civic services as shown below :—

Serial No.	Name of the Services	No. of vehicles		No. of Trailers (City)
		City	Suburbs	
1	V.I.P. Cars, Staff Cars and Committee Cars.	30	..	Nil.
2	Committee Buses and M.S. Agenda Circulation	11	..	Nil.
3	Health Services (Ambulances hearses, mobile Health Unit vehicles, school health and Blood collection vehicles etc.)	83	53	Nil.
4	Conservancy services (refuse removal etc.)	99	175	90
5	Meat Van services	54	..	..
6	Encroachment removal vans	14	12	..
7	Others	179	66	..

14. DEVELOPMENT PLAN :

The Development Plan Department deals with :—

- (1) Implementation of the Development Plan as 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.

(i) *Implementation of Development Plan* : With a view to modifying Development Plan in cases of discrepancies and on representations from the owners and Councillors, 18 proposals for modification of reservations under Section 37 as also for deletion of reservations under Section 50 of the Act were approved by the Corporation and forwarded to State Government seeking the sanction of the State Government.

(ii) *Revision of Development Plan* : In connection with the revision of existing Development Plan, the team of tracers has completed the tracing of sheets numbering 2400 to a scale of 1:500 of villages covering Eastern Suburbs and Western Suburbs and extended Suburbs. Tracing of 15 Town Planning Scheme were prepared.

Index map of critical areas to be surveyed in suburbs and extended suburbs were prepared.

1100 Survey sheets up dated to a scale of 1:500 of Suburbs and extended Suburbs were prepared from City Survey Office record.

45 sets of charts pertaining to Appraisal report of Development Plan were prepared for forwarding to members of the Standing Committee.

60 sets of charts pertaining to Appraisal report of Development Plan were prepared for forwarding to members of the Advisory Committee, appointed by State Government of Maharashtra for revision of Development Plan.

Sketch plans for Low-rise housing on small plots raising from 25 sq. mts. to 100 sq. mts. o plot area with tables showing cost structure were prepared.

About 700 sheets of City Wards from 'A' to 'G/North' Wards marked with Development Plan, reservation, incorporating sanctioned modification thereof were prepared.

Maps showing land use from existing land use Survey formats for Wards were prepared.

Maps showing life of structure from existing land use Survey, formats of 'A', 'B' and 'D' Wards were prepared.

Existing land use survey for the City wards are completed and the information for 'A', 'B' and 'D' Wards sent to computer after finally correcting the mistakes.

The public participation in the process of revision of Development Plan is of prime importance. The views of the public are invited by publishing a brochure on the Development Plan of Greater Bombay for the period for 1961 to 2001.

(iii) *Acquisition of land* : As regards the acquisition land, it is to state that 10 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 fourteen properties. Proceedings under Land Acquisition Act and Maharashtra Regional and Town Planning Act in respect of 268 properties and by negotiations in respect of 136 properties are in progress. Set-back land rates in respect of 44 set-back were fixed for making payment of compensations of land acquired for widening of various roads and lanes. Standard rent in respect of 56 Municipal properties was fixed.

Besides this Department gave the guide-lines to various departments of the Corporation and particularly the Building Proposals Section of the Corporation in the matter connected with, the Building Bye-laws, Development Control Rules and Urban Land (Ceiling and Regulation) Act.

This Department also assisted the Committee appointed for finalising standard Building Bye-laws and Development Control Rules for all Municipal Corporations in the State.

15. TOWN PLANNING SCHEMES :

With the limits of the city proper, the schemes are as under :—

- (1) Town Planning Schemes, Bombay City No. I (Mandvi and Elphinstone Estate).
- (2) Town Planning Scheme, Bombay City No. II (Mahim Area).
- (3) Town Planning Scheme, Bombay City No. III (Mahim Area).
- (4) Town Planning Scheme, Bombay City No. IV (Mahim Area).

Following are the Town Planning Schemes in 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 (1st Varied) (Final).
- (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) (Award).
- (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) (Draft).
- (14) Town Planning Scheme, Vile Parle No. I (2nd Variation).
- (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. III (1st Variation) (Final).
- (18) Town Planning Scheme, Vile Parle No. VI (1st Variation).
- (19) Town Planning Scheme, Andheri No. I (2nd Variation).
- (20) Town Planning Scheme, Andheri No. II (2nd Variation) (Final).
- (21) Town Planning Scheme, Andheri No. VI (2nd Variation).
- (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).

Extended Suburbs :—

There are 4 Town Planning Schemes, in the Extended Suburbs, viz. :—

- (1) Town Planning Scheme, Malad No. (1st Variation) (Final).
- (2) Town Planning Scheme, Borivli No. I (1st Variation) (Final).
- (3) Town Planning Scheme, Borivli No. II (1st Variation).
- (4) Town Planning Scheme, Borivli No. III (Principal) (Draft).

Town Planning Scheme, Bombay City No. II—1st Varied (Draft) is already submitted to the Government for sanction on 12th March 1976 as required under Section 68(I) of M.R. & T.P. Act 1966. The same is sanctioned by the Government on 10th January 1977, and the Arbitrator has been appointed on 4th May 1977 under Government Notification No. TPS-1176/770-UD-5, dated 18th February 1977.

The Town Planning Scheme, Bombay City No. IV (Mahim Area) which was declared for variation in the year 1967 has been finally sanctioned by the Government under section 82(I) of M.R. and T.P. Act, 1966 vide Government Notification No. TPB-1376-UD-5, dated the 2nd February 1977 and has come into force from 9th May 1977.

Town Planning Scheme which are before the Town Planning Officer (*i.e.*) the Arbitrator under the Maharashtra Regional and Town Planning Act of 1966 are :—

- (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).

16. CONSERVANCY BRANCH :

Conservancy Branch, is under the control of Head Supervisor and it is overall supervised by Dy. City Engineer (Mechanical & Conservancy). For administrative purpose Conservancy Branch has been divided into Wards and Ranges and again into City, Suburbs and Extended Suburbs.

(i) *Collection of Refuse* : All the public roads, footpaths and house gullies were cleaned daily and quantity of refuse and other waste matter in the City was approximately 6.14 lacs tonnes, average per day being 1,683 Tonnes. The figures in Suburbs and Extended Suburbs were 3.02 lacs tonnes and 830 tonnes respectively.

(ii) *Transportation of Refuse* : The refuse collected cleansing operations as well as from the residential premises was regularly removed by engaging mechanical traction. Alongwith Municipal vehicles, vehicles on contract are also employed for the purpose. Vehicle shifts employed for removal of refuse during the year are as under.

Area	Municipal vehicle shifts	Vehicle shifts on contract	Ratio	Refuse transported
(1) City	24,662	1,03,774	19:81	1.40 lacs Tonnes.
(2) Suburbs	32,656	30,139	52:48	2.15 lacs Tonnes.

About 23 per cent. (1,40,160 tonnes) of the City refuse was transported to Deonar Dumping Ground by Railway Wagons from Mahalaxmi Siding. The details are covered in the section under Kurla-Deonar Railway.

(iii) *Disposal of Refuse* : The final disposal of refuse was carried out by reclaiming low lying land at Deonar and also Dharavi in the City and Chincholi and Gorai Suburbs. Total refuse dumped at Dharavi from City and new Suburban Wards was 6.10 lacs tonnes and at Deonar 1,82,785 tonnes for Suburban the figure is 2.15 lacs tonnes.

(iv) *Collection, Removal and Disposal of Night Soil and Cesspool* : Nightsoil collection and disposal service was rendered to 5,397 basket privy seats (371 in the City and 5,076 in Suburbs and 2,124.83 litres quantity of Night soil was removed daily (273 K.L. in City and 1,851.83 K.L. in Suburbs). In Suburbs 2,393 cesspools were attended and 94,632 clearance given and total cesspool contents of 1.75 lacks Kilo Litres were removed giving an average of 481.35 Kilo Litres per day. Removal of Night soil and cesspool contents was done by Municipal cesspool vehicles making approximate 60 vehicles shifts per day. (4 in the City and 56 in the Suburbs).

(v) *Public and Private Latrines and Urinals* : During the year, 196 public sanitary conveniences with 988 W.C. seats and 784 urinal seats were maintained. 6 new Public Sanitary conveniences with 30 W.C. seats and 6 urinal stalls and 6 urinal blocks with 20 urinal stalls were constructed in the city. And in Suburbs 79 new public sanitary conveniences structures and 34 urinal blocks with 138 stall were constructed during the year. 809 public sanitary conveniences structures with 5,913 W.C. seats and 525 urinal stall were maintained. They comprised of full flushing system, basket privies and septic types or acquaprivies type. 132 separate urinal blocks with 530 urinal stalls were also maintained.

(vi) *Prevention of Nuisance* : 7,789 cases in City and 3,914 cases in Suburbs were made by Nuisance Detectors posted for offences such as urinating defecating and throwing refuse on public roads under section 115 of the Bombay Police Act and Rs. 13,025 were recovered as fine. During the year 2,139 cases in City and 1,500 cases in Suburbs were made under section 372(E) of the Bombay Municipal Corporation Act and Rs. 22,627 and Rs. 12,674 were recovered as fine respectively in City and Suburbs.

(vii) *Removal and disposal of Dead Animal* : Bombay Khadi Village Industries Association were the contractors for the work of removal of dead animals from the City. Skinning work is being carried out at Village Bapne in Thana District about 20 Km. away from Dahisar. 21,382 Dead animals were removed.

(viii) *Conservancy and special Halalkhore Services* : The services were rendered to Circuses Exhibitions big concerns, Industrial Establishment etc. on payment of scheduled charges. An amount of Rs. 25.18 lacs was received for rendering conservancy services.

(ix) *Conservancy Staff Quarters in City* : 268 Labour Chawls with 6,915 tenements were looked after and maintained for housing conservancy staff. Two new chawls with 105 tenements were constructed and allotted during the year. Out of 12,968 employees entitled to free housing about 90 per cent. have been so far provided with accommodation.

(x) *Labour Welfare* : 32 and 8 welfare centres are working for the benefit of Conservancy employees in City and Suburbs respectively.

(xi) *Co-operative Credit Societies for labour* : There were in all 12 Co-operative credit societies with an aggregate membership of 6,935 members for the benefit of the labour employees of the Branch. The share capital subscribed was Rs. 39,26,672.50 the working of the Co-operative credit societies was satisfactory.

(xiii) *Removal and Disposal of Refuse at Deonar Dumping Ground* : The Municipal Corporation has acquired 333.20 Hectors of land being the property of Mr. A. C. Cama at Chembur and this plot of land is being used for disposal of town refuse. So far about 218 Hectors of land has been reclaimed by dumping refuse brought from Mahalaxmi Siding. This year 6.12 Hector of land is reclaimed.

12 Refuse wagons per trip of train were sent to Deonar for unloading on low-lying area.

The refuse from remaining City Wards is directed to Dharavi Dumping Ground by lorries.

Statistical data regarding expenditure and revenue of S. E. K. D. Railway is as under :—

Expenditure :

	Rs.
(1) Haulage charges.	4,47,291.00
(2) Detention Charges.	2,164.00
(3) Hire Charges.	45,648.00
(4) Maintenance of Siding at Chembur.	1,500.00
Wages of Pointsman of Central Railway.	9,832.00
(6) Wages of Supervisory & Labour Staff.	7,95,952.00
(7) Amount paid to Contractors.	6,76,717.00
(8) Miscellaneous.	581.00
Total	19,79,685.00

REVENUE.

Serial No. (1)	Particulars. (2)	Amount. (3)	Remarks. (4)
1	Sale of right of cultivation at Deonar Borla Village.	Nil.	The contractor has paid in advance in the year 1976-77.
2	Ground and Building Rent.	Rs. 40,375.38	Transferred to Sup. Chawls under Dy. HS/ES as before.
3	Sale of Sewage water	Nil.	Nil

Statement showing the Expenditure per Metric Tonne of Refuse.

Serial No. (1)	Particulars. (2)	1976-77. (3) Rs.	1977-78. (4) Rs.
1	Number of refuse wagons received at Deonar.	11,566	8,881
2	Quantity of refuse on an average of 17 m. T. per wagon.	1,96,622 M.T.	1,50,977 M.T.
3	Cost of haulage and Detention (including hire charges on wagons).	4,98,233	4,95,103.00
4	Cost of unloading wagons	7,67, 94	6,76,717.00
5	Cost of Metric Tonne of refuse for transporting and unloading.	6.44	7.77
6	Cost per Metric Tonne of refuse for entire expenditure of S. E. K. D. Railways Deptt.	10.40	-13.00

Position of Wagons as on 31st March, 1978.

	Municipal	Hire	Total
1 Running wagons.	29 plus	23	52
2 Break Down Wagons in Running Condition.	4 plus	Nil	4
3 Sick Wagons.	7 plus	3	10

The cost of maintaining Mahalaxmi Siding was Rs. 5,20,617.87 per annum.

During the year there were two incidents of Break derailment 2 incidents of wagon derailment and two incidents of rail breakage which were got replaced.

17. PRODUCTIVITY UNIT :

The productivity unit is under the control of Dy. City Engineer (Productivity).

The main objective of the Productivity Unit is to suggest ways and means of increasing the over all efficiency of the organisation. This objective is achieved by—

- Suggesting mode of utilising the resources more economically and
- Developing employees at all level to be more effective on the job

The major functions carried out in these connections are :—

- Detailed Productivity oriented project studies using various industrial engineering technique and preparation of reports for implementation.
- Organising and conducting various training Programmes in Administrative, Technical and Managerial fields for the staff.
- Preparation of manuals and hand outs.
- Providing library facilities to the employees to keep abreast with the up-to-date knowledge in their fields.

These functions are being performed by the officers of this unit who are drawn from various departments and are specially trained in the various fields of Productivity Science.

Smti N.P. Nobre, Dy. C.E. (Productivity) was in charge of this unit during the year 1977-78. Details of various activities carried out by this unit are :—

(a) 55 project studies were carried out pertaining to various departments. These studies were carried out to streamline the existing methods and to ensure optimum utilisation of the resources i.e. manpowers, material and money.

(b) 73 Training Programmes comprising of Induction Training, Supervisory Training, Job Training and Material Management Training, etc. were carried out for various levels of the organisation

(c) 22 handouts explaining work procedures both Technical, administrative and other relevant information were prepared as a ready reference to enable the staff to do their work more effectively.

(d) The library is provided with additional 242 new books on Administration, Management Computer Science, Engineering and other allied fields. Strength of the membership of the library is also increased from 650 to 761.

APPENDIX No. 1.

Statement showing the works of building construction completed and those in progress.
(Works costing Rs. 5 lacs and above)
Amount shown in lacs.

A—Works Completed.

(Rupees in lacs)

Serial No.	Name of the work.	Expenditure.
(1)	(2)	(3)
(a) Housing.		
<i>Zone—I</i>		
1	169 Tenements and 13 shops at Kamathipura.	20.50
2	110 Tenements at D. G. Mahajani Path Sewri	13.94
3	45 Tenements in Morachiwadi.	5.20
4	50 Tenements at Dadasaheb Phalke Road.	9.75
5	2 Works below 5 lacs.	5.00
	Total	54.39
<i>Zone II.</i>		
	Nil	Nil
<i>Zone III.</i>		
1	300 Tenements at Deonar.	37.68
	Total	37.68
(b) Building other than Housing.		
<i>Zone—I</i>		
1	Fire Brigade Head Quarters at Byculla, Phase-II.	30.56
2	School Building at Stable Street, Kamathipura.	20.10
3	School Building at 2nd Peerkhan Street.	11.62
4	Auditorium at Sewree.	8.25
5	School building at Currey Road.	26.75
6	School Building and Ward Office Building at F/North Ward.	26.27
7	School Building at Sahakar Nagar Wadala.	20.36
8	11 works below 5 lacs.	12.00
	Total	155.91
<i>Zone—II.</i>		
1	Extension to the existing school building on C. S. No. 187 (B) Part of Sanyasashram Road, Vile-Parle (W.)	1.91
2	Superstructure work of school building on plot No. 17B at Sodawala Lane, Borivali (West).	5.16
	Total	7.07
<i>Zone—III.</i>		
1	School Building on C.S. T. No. 166, 167, 168, 169 old Slaughter House Side Kurla.	14.49
2	School Building at Kannamwar Nagar, Vikhroli.	13.72
3	Maternity Home at Barve Nagar, Ghatkopar.	19.64
4	Maternity Home and Dispensary at M. P. Road, Mulund.	22.96
5	School building at Goshala Road, Mulund.	33.40
6	Extension to Maternity Home at Bhandup.	13.34
7	School Building at Labour Camp Chembur.	15.65
8	Additional floor over school building at Barve Nagar, Ghatkopar.	5.62
9	Waterproofing Treatment to the Terrace (1) Bhabha Hospital Kurla (2) Tenements at Barve Nagar, (3) Tenements at Park Site Vikhroli.	5.98
10	3 other works below 5 lacs.	8.00
	Total	152.80

B—Works in Progress.

Serial No.	Name of the work.	Estimated cost (excluding 2½% supervision.) (Rupees in lacs)	Expenditure p in curred so far. (Rupees in lacs)
(1)	(2)	(3)	(4)
Housing Zone I			
1	Superstructure work of remaining building at Municipal Colony Worli.	45.44	16.00
2	7 works below 5 lacs.	32.00	14.00
Total		77.44	30.00
Zone—II			
1	240 Tenements at Powell's Land Kandivli (West)	37.99	30.02
2	324 Tenements and 12 shops at Powell's Land, Kandivli (West).	47.33	35.43
Total		85.32	65.45
Zone—III			
1	600 Tenements at Deonar Slaughter House	82.82	53.06
2	100 Tenements at Kurla	22.58	5.36
3	116 Tenements at Transit Camp, Deonar	10.88	5.02
Total		116.28	63.44
(b) Building other than Housing			
Zone—I			
1	Additional 3 floors over Municipal Head Office Annexe Building.	96.27	48.58
2	Extension of Dental College Building at Nair Hospital	33.57	9.13
3	Construction of School Building at N.M. Joshi Marg	15.45	13.41
4	Construction of 'G/South' Ward Office, N.M. Joshi Marg.	22.81	14.50
5	School Building at Gollanji Hill	30.99	10.76
6	Extension to School Building at Kakasaheb Gadgil Marg	9.98	5.01
7	Construction of Market at Colaba, Phase-II	12.48	7.43
8	Construction of school building at Dhorwadi Dharavi	33.24	8.99
9	Waterproofing treatment to the various buildings in 'F/North' Ward.	8.84	8.28
10	16 works below 5 lacs	90.24	33.60
Total		353.87	159.69
Zone—II			
1	Extension to the existing school building at Kherwadi, Bandra (East).	16.90	9.75
2	Development of Khar Market near Khar Railway Station	15.76	6.44
3	Construction of China Baug Market at Vakola Santacruz (East).	24.12	7.68
4	Construction of Drama Theatre at Morbunglow, Vile Parle (East).	60.11	35.74
5	Construction of school building at M.G. Road, Vile Parle (East).	26.36	14.90
6	Construction of superstructure for Medical Staff and Nurses Quarters at Dr. R.N. Cooper Hospital, Juhu, Vile Parle (West).	28.18	19.01
7	Centralised Ambulance Service Building at Dr. R.N. Cooper Hospital, Juhu.	45.74	11.04
8	Centralised Municipal Office Building for 'K' Ward Office.	31.00	25.74
9	Swimming pool at Sidharth Nagar, Goregaon (West)	13.63	8.20
10	Municipal Market (1st phase) Topiwala Land, Goregaon (West).	11.68	5.69
11	Extension of Municipal School Building at Pahadi Village, Goregaon (East).	23.42	21.75
12	Construction of a school building at Quarry Road, Malad (East).	24.90	17.20
13	Construction of Municipal Centenary Hospital at Kandivli (West) Ph-I.	72.84	2.66
14	Construction of a school building at Kasturba Cross Road No. 2, Borivli (East).	30.31	22.00
15	Construction of school buildings Bharucha Road, Dahisar (East).	21.94	5.91
16	9 works below 5 lacs	174.65	69.54
Total		621.54	283.23

Serial No.	Name of the Work	Estimated cost (excluding 2½% supervision)	Expenditure incurred so far (Rs. in lacs).
1	2	3	4
<i>Zone—III</i>			
1	School building at Moreshwar Patankar Marg, Kurla	13.07	5.45
2	Centenary Hospital at Govardi	70.64	20.49
3	Cemetery at, Deonar	11.28	10.80
4	School building at Park Site Vikhroli	34.66	14.18
5	School building at Mulund Colony	18.83	5.77
6	Centralised Ambulance Service at Mulund	38.25	5.29
7	Expansion of Bhabha Hospital, Kurla	40.07	6.98
8	Maternity Home & Staff Quarter at Tagore Nagar, Vikhroli	38.87	7.00
9	School Building Opp. K.V.K. Highschool, Ghatkopar	29.16	8.60
10	Fish, Vegetable and Kena Market at Govandi	10.23	7.12
11	'M' Ward Office Building at Chembur	45.61	7.36
12	6 Other works below 5 lacs	13.42	9.43
	Total	364.09	108.47

APPENDIX No. 2

Statement showing detail of repairs to road and footpaths carried out by A.E. asphalt departmentally

(Works costing Rs. one Lac and above)

Serial No.	Mode of Repairs	Area in Metres	Amount (Rs. in lacs)
1	Asphalt roads repaired with surface chip coat and G. Coat etc.	91964	12.14
2	Bituminous Road repaired with surface coat chip Coat and G. Coat etc.	84349	11.62
3	Pothles repaired with cold premi and G. Coat during Monsoon	11560	1.71
		187873	23.47

APPENDIX No. 3

Detailed report of total out put of Municipal Foundry

(Production is shown where sale price is Rs. 5,000 and above)

Serial No.	Type of casting	Quantity	Weight in M.T.	Rate	Per	Amount
						Rs.
1	Foundry Hard Coke	124	124.00	623	Each	77,252
2	Piq Iron Mix Grade	91	87.00	900	Each	81,978
3	G.M. Scrap	3900	3.90	12	Each	4,6800
4	C.I. Scrap	500	500.00	350	Each	1,75,000
	Total					3,81,030

APPENDIX No. 4

Statements showing the details of asphalt Plant Production

	Main Plant	Pegson Plant
	K.G.	K.G.
1 Asphalt Concrete	2,04,610	..
2 Binder	5,822	..
3 Surface	61,45,260	..
4 Chip Coat	8,80,610	8,68,530
5 Grit Coat	13,41,700	8,400
6 Premix 1"	1,79,530	3,12,760
7 Premix 1/2"	11,54,770	2,870,680
	97,12,302	40,60,370

APPENDIX No. 5

Statement showing the details of work carried out by Electrical Planning and Design Section

(Amounts shown in Lacs).

Serial No. and Item	Estimates prepared		Amount		Contract awarded							
					Civil		Electrical		Civil		Electrical	
	City	Subs.	City	Subs.	City	Subs.	City	Subs.	City	Subs.	City	Subs.
1 & 2	2	4	5	6	7	8	9	10	11	11	13	14
(1) Schools ...	6	35	Rs. 9.44	Rs. 18.86	..	..	..	10	..	..	..	Rs. 3.31
(2) Housing ...	11	11	14.01	20.24	..	..	1	..	..	..	..	..
(3) Lifts ...	13	8	40.56	24.66	..	..	5	8	..	..	10.92	27.46
(4) Hospitals Dispensaries Nurse's Quarters etc.	9	13	28.90	10.73	..	..	1	1	..	..	..	..
(5) Markets	4	3	5.57	3.16	..	..	1	..	..	..	..	..
(6) Offices	2	3	1.09	9.82	..	..	..	..	..	..	..	..
(7) Miscellaneous	25	33	52.15	45.81	..	..	10	14	..	..	1.08	1.20
Total ...	70	106	151.73	133.28	..	..	18	23	..	..	12.00	31.97

APPENDIX No. 6

Statement showing the works carried out by Road Branch (City & Suburbs) during the year

(Amount shown in Lacs)

Particulars	Completed works				Works in progress			
	No.		Actual cost		No.		Estimated cost	
	City	Subs.	City	Subs.	City	Subs.	City	Subs.
			Rs.	Rs.			Rs.	Rs.
(1) Road surfacing working Asphalt Concrete.	5	7	70.16	137.91	1	3	9.29	27.58
(2) Road surfacing in cement concrete.	1	..	1.95	..	1	..	2.89	..
(3) N.W. Roads including S.W. Drains.	5	10	45.87	106.28	4	12	10.35	218.73
(4) Road widening	11	6	20.67	99.19	2	17	9.46	418.01
(5) Any other works	5	15	42.74	113.73	9	24	21.19	255.95
Total	27	28	181.29	457.11	17	56	53.18	920.27

APPENDIX No. 7

Statement showing the details showing the details of works carried out by electrical refrigeration Section
(City and Suburbs)

(Amount shown in Lacs)

Serial No. and Nature of proposal	Estimates prepared		Contract Awarded		Work completed		Works in progress								
	City	Suburbs	City	Suburbs	City	Suburbs	City	Suburbs							
	Nos.	Amount	Nos.	Amount	Nos.	Amount	Nos.	Amount							
(A) Loss Works															
Supply & Installation of—															
(1) Central Plants ...	5	79.02	2	7.54	...	2	7.54						
(2) Water Cooled plants	2	4.38	4	10.55						
(3) Packaged Air cooled Plants.	7	10.08	6	6.55	2	1.14	1	...	1						
(4) Window Model Air conditioning units.	26	15.82	3	1.04	17	3.23	3	11	1.81	3	6	2.48	...		
(5) Condensing units for Mercury	1		
(6) Water coolers	2	1	1		
(7) Walk-in coolers	1	1	1		
(B) Revenue Works															
Other Allied Misc. works	17	7.87	6	...	27	1.62	6	26	1.57	6	6	...	2	...	
Total	60	117.17	20	18.14	47	5.99	13	7.54	40	4.52	9	12	2.48	6	7.54

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 31-3-1978	
					Rs.	Rs.
Electrification of providing Electrically drive a water pumping sets at—						
1 Schools—						
	City	7	9.22	1	1.54	...
	Western Suburbs	4	3.18	11	...	...
	Eastern Suburbs	4	5.65	...	...	...
2 Ward Offices—						
	City	1	2.40	1	1.55	...
	Western Suburbs	...	...	1	...	...
	Eastern Suburbs	...	...	...	...	...
3 Hospital ... Dispensary ... Maternity Home—						
	City	1	8.61	...	2.61	...
	Western Suburbs	...	...	3	...	...
	Eastern Suburbs	3	6.82	1	...	...
4 Markets—						
	City	...	...	1	...	...
	Western Suburbs	...	...	3	...	...
	Eastern Suburbs	...	...	1	...	...
5 Housing —						
	City	7	4.85	2	...	...
	Western Suburbs	...	...	2	1.26	...
	Eastern Suburbs	1	2.17	1	...	...
6 Garages—						
	City	...	...	...	...	...
	Western Suburb	...	...	...	...	...
	Eastern Suburbs	...	...	...	...	...
7 Welfare Centre—						
	City	2	1.46	...	...	...
	Western Suburbs	...	...	...	...	...
	Eastern Suburbs	...	...	...	...	...

APPENDIX No. 8.—(Contd.)

(Rupees in lacs)

Serial No.	Description of the works	works Completed	Actual Expenditure	Works in progress	Expenditure 31-3-1978
8	Lifts—				
	City	..	..	..	..
	Western Suburbs	..	1.32	..	..
	Eastern Suburbs	..	..	..	..
9	Cemetaries—				
	City	..	..	2	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	1	..
10	Fire Brigade —				
	City	..	2.49	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
11	Drama Theatre—				
	City	..	..	..	..
	Western Suburbs	..	..	1	..
	Eastern Suburbs	..	..	..	..
12	Swimming Pool—				
	City	..	..	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
13	Misc. Works Like P.S. Blocks—				
	City	..	..	..	..
	Western Suburbs	..	..	..	..
	Eastern Suburbs	..	..	..	..
	Total	35	48.17	33	6.96

APPENDIX No. 9

Statement showing the road construction works completed and those in progress.
(works costing Rs. 1 lac & above)

A—Works completed.

Serial No.	Name of the work.	Expenditure Rs. in lacs
I.—Road resurfacing in Asphaltic Concrete.		
CITY		
1	Resurfacing with asphaltic concrete and adding setback lands wherever possible to S.V. Savarkar Marg from its junction with Ranade Road to its junction with Old Prabhadevi Road.	20.58
2	Resurfacing with asphaltic concrete Ibrahim Rahimat Tula Road with its junction with J. J. Road to Chunam Lane.	10.37
3	Reinstatement of trenches and resurfacing of Eastern carriage way of Senapati Bapat Marg from Kataria Marg and Tilak Bridge and Jawle Marg to Dadar Purification Plant.	15.19
4	Resurfacing with asphalt Macadam Road in Abhudaya Nagar, Kalachowky.	4.80
5	Resurfacing Dr. B. A. Road from Volta Sagar to Byculla Bridge.	19.22
	Total	70.16
SUBURBS		
1	Resurfacing of Bhandup Station Road with asphaltic concrete from Bhandup (W.)	2.15
2	Improving the carriage way of Internal main roads at Tagore Nagar, Vikhroli (E.)	3.41
3	Resurfacing Jawaharlal Nehru Road in asphalt macadam with seal coat from Mulund Station to Nahur Culvert, Mulund (West).	3.07
4	Improving of M. V. Roads from Police Station to Chakala.	30.27
5	Improving of M. V. Road from T. P. Lane to Mithi River.	37.76
6	Improving of M. V. Road from Chakala to T. P. Line.	37.34
7	Resurfacing M. G. Road between S. V. Road and Banjur Nagar, Goregaon.	23.80
	Total	137.89

APPENDIX No. 9—(Contd.)

Serial No.	Name of the work.	Expenditure Rs. in lacs
II—Construction of new Road including S. W. Drains		
CITY		
1	Construction of Road No. 9, 12 and 13 at B.B.R.S. Block III (Phase II) etc.	15.51
2	Construction of road in B.B.R.S. Block V. with asphaltic concrete.	11.62
3	Construction of 9.14 M. wide road at Transit Camp Sion-Koliwada.	8.90
4	Construction of 20.38 M. wide road near President Hotel at B. B. R. Scheme Block V.	8.19
5	Construction of proposed. 4.5M. wide approach road for water supply project at Marol.	1.64
	Total	45.86
SUBURBAN		
1	Construction of 12.20M. wide D. P. Road from Pant Nagar upto proposed service road at Ghatkopar (East).	1.49
2	Providing S. W. Drains in S. S. III Chembur.	4.94
3	Construction of 40' (12.2 Mt.) Link Road between Kala Nagar and Bandra Railway Station, Bandra (East).	8.92
4	Remaining portion of 9.15 Mt. service Road on both sides of T. P. Line on East and West side of W. E. Highway culvert between P. F. Office Building, Bandra (East).	11.40
5	Construction of 9.15 Mt. Road at Bandra Reclamation scheme, Bandra (West)	7.37
6	Construction of Service Road along W. E. Highway from A. K. Road to Boundary of K, P Ward limits.	52.73
7	Construction of 13.42 Mt. wide road opposite Topiwala Cinema, Goregaon.	1.40
8	Construction of Quarry Road from Dhanjiwadi to Western Express Highway at Malad (West).	9.95
9	Construction of road from 12' Road to Madh Temple, at Madh Island.	8.09
	Total	106.28
III—Road Widening.		
CITY		
	Adding set back lands to road anywhere in B, F, G, Wards for contract period 1976-77	20.67
1	Adding set back at Sitaram Mill.	
2	Adding set back at Shaikh Mistry Road.	
3	Adding set back at Dharavi Road.	
4	Adding set back at Dadar Market.	
5	Adding set back at Madkabuo Chowk Parel T. T.	
6	Adding set back at Ganpatrao Kadam Marg.	
7	Adding set back at G. D. Ambedkar Road (Dabholkar Adda)	
8	Road leading to Nehru Centre, Worli.	
9	Jijibhoy Lane extension Finlay Mill.	
10	New Prabhadevi Road junction Appasaheb Marathi Marg.	
11	Dr. E. Moses Road Centre divider.	

APPENDIX No. 9—(Concl'd.)

Serial No.	Name of the work.	Expenditure Rs. in lacs
SUBURBAN		
1	Construction of S. W. drains (widening and improving of roads) in Municipal Colony at Barve Nagar, Ghatkopar.	2.89
2	Widening and improving V. N. Purav Marg between Bobamy-Panvel Road and Mankhurd Station Road and providing S. W. Drains.	4.90
3	Widening and improving of J. P. Road from seven bungalow to Mahamedan Cemetery at Andheri (West)	21.29
4	Widening and improving of Veera Desai Road Andheri.	17.00
5	Widening and improving S. V. Road from Oshivara to J. N. Road No. 4, Goregaon	34.29
6	Widening and improving S. V. Road from J. N. Road No. 4 to Piramal Nagar, Goregaon.	18.82
	Total	99.19
IV—Other Works		
CITY		
1	Construction of Sea wall at Worli Abdul Gafarkhan Road.	1.16
2	Strengthening the existing treble barrelled drain between Jehangir Boman Behram Marg and Keshavrao Khadye Marg at Mahalaxmi Part I.	13.32
3	Strengthening the existing treble barrelled drain between Jahangir Boman Behram Marg and Keshavrao Khadye Marg at Mahalaxmi Part II.	12.40
4	Do, Do. Do. Part III.	13.43
5	Construction of 1.2 x 1.21 M. R.C.C. open drain to the West of Central Railway between proposed 17.06 M. D. P. Road and Dharavi Road.	2.43
	Total	42.74
SUBURBAN		
1	Desulting of nallas in rivers and covered drains in L, M, and N Wards.	1.17
2	Repairs to Potholes and Patches work in City and Suburbs (East).	4.13
3	Regarding R. B. Kadam Marg (Jivadaya Lane) from Mancklal Mehta Road Junction, upto Reservoir Ghatkopar (West).	4.13
4	Providing and laying proposed V. G. S. W. D. at M. H. B. Bandra Reclamation Scheme Bandra (West) Part B.	14.34
5	Providing and laying proposed U.G.S.W.D. at M. H. B. Bandra Reclamation Scheme Bandra (West) Part C.	10.11
6	Construction of channel on either side of W. E. Highway from Nehru Road Santacruz upto T. P. Line, Khar.	7.00
7	Filling for Development at Bandra Kurla Complex first phase work Part I.	31.07
8	Filling for Development at Bandra Kurla Complex First phase work Part II.	25.93
9	Reconstruction of Dhapa drain of L.I.C. Colony, at S. V. Road, Vile Parle (East).	7.86
10	Construction of two culverts and one bridge at Majas wadi.	1.95
11	Reconstruction of Dhanji wadi Nalla from Nathubhai Compound to Khotwadi at Malad (East).	4.02
12	Repairs to Potholes and trenches to Major Roads in Suburbs.	6.15
	Total	117.86

B—Works in Progress.

Serial No.	Name of the work.	Estimated cost.	Expenditure booked upto 31-3-1978.
		(Rs. in lacs)	(Rs. in lacs)
I—Road resurfacing in asphaltic concrete			
CITY			
1	Reinstatement of trenches on Senapati Bapat Marg between Dadar Purification Plant and Kakasaheb Gadgil Marg etc.	17.59	9.29
	Total	17.59	9.29
SUBURBS			
1	Improving the Carriage way of the road leading to Vidyavihar Railway Station from Premier Automobile Vidyavihar.	12.49	4.01
2	Resurfacing of Ramkrishna Chemburkar Marg with asphalt concrete from E. E. Highway, to Chembur Naka.	8.93	Nil.
3	Improving the Carriage way of internal main roads at Kannamwar Nagar at Vikhroli (East).	6.15	1.67
	Total	27.57	5.62
II—Road resurfacing in cement concrete.			
CITY			
1	Raising approaches to Falkland Road Over Bridge.	9.47	2.89
	Total	9.47	2.89
SUBURBS			
<i>Nil</i>			
III—Construction of New Roads.			
1	Construction of 27.43 M. wide road in asphalt, macadam from Estrella Batteries Junction to Dharavi Road including Tow Cross Roads.	33.29	7.12
2	Widening and improving Barkat Ali Dargah Marg from L. M. Nadkarni Marg to Shaikh Mistry Road including reinstatement of trenches on L. M. Nadkarni Marg.	11.09	2.23
3	Construction of 80 ft. wide road from Keshav rao Khadye Marg to Arthur Road, Tulsi Devi.	12.99	Nil.
4	Construction of road No. 1. B. B. R. Scheme, Block III.	1.98	Nil.
	Total	59.35	9.35
SUBURBS			
1	Construction of 18.30 Mt. wide D. P. Road parallel to Bhandup Railway Line to Bhandup Village, Bhandup (East).	26.17	Nil.
2	Construction of 27 Mt. wide D. P. Road from Railway level crossing to Kesar Baug Nalla and providing open S. W. drains at Mulund.	36.57	1.31
3	Construction of 9.15 Mts. Service Road on east side of E.E. Highway from R.C.Marg to Chembur-Mankhurd Link Road, Chembur.	16.77	2.97
4	Construction of 9.15 Mts. Loop Road at Trombay Village, Chembur.	6.84	2.12
5	Widening and improving 13.41 Mt. D. P. Road parallel to east of pipe line from Rajawadi to Tilak Nagar, Ghatkopar Chembur.	17.59	4.73
6	Construction of S. W. Drains from Sundar Baug Junction of L. B.S. Marg and Kale Marg upto Thane Cabin with culverts across Kale Marg	1.20	Nil.

B—Works in Progress.

Serial No.	Name of the work.	Estimated cost.	Expenditure booked upto 31-3-1978.
		(Rs. in lacs)	(Rs. in lacs)
7	Construction of box type S. W. drains from Kurla B. E. S. T. Depot to Nalla opp. Kalpana Talkies, Kurla.	3.06	1.21
8	Construction of 9.15 Mts. wide service road from 100' link road (special Steel Ltd.) to M. G. Road, Borivli.	17.64	2.10
9	Construction of 100' wide relief road from proposed Oshivara Bridge upto M. G. Road, Goregaon Part III.	34.36	15.98
10	Construction of 100' wide relief road from M. G. Road to 90' D. P. Road at Chincholi Part IV.	30.54	10.10
11	Construction of 100' wide relief road from 90' D. P. Road at Chincholi upto Chincholi Road Part V.	16.59	11.96
12	Construction of 12.2 Mt. Goregaon Mulund D. P. Road from S. V. Road to W. E. Highway Goregaon.	11.40	6.30
	Total	188.73	58.78
IV.—Road Widening.			
CITY			
1	Widening and improving Ganesh Temple Lane from Dharavi Road to Dhorwada Pond including laying side open drains.	3.82	1.93
2	Adding set back lands to roads anywhere in E, H, G Wards for 1977-78.		
	(i) More Road opp. B. E. S. T. Depot.		
	(ii) Nair Hospital setback Dr. A. Nair Road.		
	(iii) Fergusson Road Junction with drainage channel Road.		
	(iv) Setback of Podar Mill N. M. Joshi Marg.		
	(v) Setback opp. Holly Cross Church Sanapati Bapat Marg.		
	(vi) Setback of Patil Lane, near Nimco Tiles Factory.		
	(vii) Setback of Dharavi Cross Road on Western side near open Nala.		
	(viii) Setback opposite Wadala Church.	11.07	7.53
3	Adding setback lands to the roads in D Ward area for 1977-78.	9.35	
	(i) Panchali near Cemps Corner Gowalia Tank Road.		
	(ii) Tardeo Road near Bhatia Hospital.		
	Total	24.24	9.46
SUBURBS			
1	Widening and improving C. S. T. Road, from Kurla Station upto culvert and providing S. W. drains, Kurla.	15.08	9.94
2	Construction of 12 Mts. wide road and improving existing roads with asphalt macadam at Deonar Refuse Dumping Ground from Deonar Pumping Station.	17.25	5.20
3	Widening and improving Shivaji Nagar Road (Gajanan Colony Road) in asphalt macadam with seal coat at Chembur (including providing S. W. drains and extending the same in a asphalt macadam for refuse dumping ground.		
4	Widening and improving Nari Seva Sadan Road from Home Guards' quarters compound to Chandivli Bridge.	7.79	4.00
5	Widening and improving the roads in Subhash Nagar, Chembur.	7.93	
6	Widening and improving the 18 M. D. P. Road between Vidyavihar Railway Station to 7th Road at Rajawadi, Ghatkopar.	7.36	6.01
7	Widening and improving the Ram Ratan Trivedi Road between junction with P. K. Road and junction with Jawaharlal Nehru Road at Mulund (West).	9.21	1.18
8	Widening and improving B. S. Marg from electro equipment Company to Mulund Check Naka, Mulund.	118.38	7.46
9	Widening of existing road between Gorai Creek and Gorai Village in R Ward Part I.	13.00	1.36

B—Works in Progress.

Serial No.	Name of the work.	Estimated cost.	Expenditure booked upto 31-3-1978.
		(Rs. in lacs)	(Rs. in lacs)
10	Widening of existing road between Gorai Creek and Gorai Village in R Ward. Part II.	9.86	..
11	Widening and improving of S. V. Road from Borivli Level Crossing upto Dahisar Bridge etc. stage I.	30.85	5.35
12	Widening and improving S. V. Road from Dahisar Bridge upto L. T. Road etc. stage II.	21.80	10.10
13	Widening and improving of S. V. Road from L. T. Road upto S. N. Dube Road, Dahisar (East), Stage III.	27.85	21.76
14	Widening and improving of S. V. Road from S. N. Dube Road upto W. E. Highway Dahisar (East) Stage IV.	31.77	23.06
15	Widening and resurfacing of S. V. Road (Linking Road) between Turner Road junction to 1st Road Khar.	45.54	9.86
16	Widening and resurfacing of S. V. Road (Linking Road) from 1st Road Khar Part I.	23.37	1.03
17	Widening and improving in asphalt macadam Jaiprakash Road from bungalow upto 30.5 Mt. wide relief road etc. Andheri (West).	18.57	1.58
	Total	405.61	108.09
V—Other Works			
1	Repairs to bad spots on major Road in the City.	14.69	10.35
2	Petty works for S. W. drains at Nallas in City area.	10.00	..
3	Construction of double barreled drain between Zakaria Bunder Road to Mazgaon Sewri Road item No. I & II.	31.20	-3.89
4	Training of 4 Nallas (i) from Sion Railway tracks upto existing trained nalla at Laxmi baug (ii) Two nallas near L Ward and G-North boundaries abutting at L.B.S. Marg (iii) near 7th Cross Road from Central Railway tracks upto existing covered nallas near transit camp Dharavi	7.16	4.21
5	Strengthening guniting double barreled drain at Senapati Bapat Marg.	4.69	2.75
6	Providing and laying 300 mm. dia underground S. W. drain at Wanjewadi, Mahim.	1.14	..
7	Covering and strengthening the collapsed portion of the treble barreled drain between Tulsiwadi and Keshav rao Khadye Marg to Arthur Road.	14.58	..
8	Desilting of S. W. dhapa drains and pipes drain in City.	4.81	..
	Total	88.27	21.20
SUBURBS.			
1	Desilting of Nallas, rivers and covered drains in L.M., N Wards.	4.74	..
2	Desilting of nallas, rivers and covered drains in P. R. T Wards.	4.74	..
3	Regarding S. G. Barve Marg elevation of bridge on old Bombay Agra Road, Bridge Kurla.	8.58	1.06
4	Demolition and reconstruction of bridge on Dahisar river along S. V. Road, Borivli (East).	14.22	11.25
5	Construction of S. W. Channel in Golibar area upto pucca nalla at Khar Pumping Station.	2.54	..
6	Providing and laying U. G. S. W. Drains along Boran Road from Boran Nallah upto peripheral channel Bandra.	2.86	1.38
7	Construction of bed of channel on either side of W. E. Highway from K. Lanagar, Bandra upto T. P. Lane, Khar (East), (Remaining portion)	7.13	2.37
	Total	44.81	16.06

B—Works in Progress.

Serial No.	Name of the works.	Estimated.	Expenditure
		cost.	booked upto 31-3-1978.
		(Rs. in lacs)	(Rs. in lacs)
NALLAS			
1	Training of nalla passing below transmission lines at Tagore Nagar, Vikhroli (East) Part II.	20.84	1.78
2	Construction of nalla from the culverts across R. C. Marg culvert across E. E. Highway, Chembur Part II.	30.50	5.15
3	Construction of nalla on South side and training of existing nalla on north side of Village Road including construction of culvert at B at Bhandup (West) Part II.	7.82	--
4	Training of nalla from point A & B upto the point D and construction of culvert at Point 'X' in Parksite Colony upper Depotpada Vikhroli (West).	371	--
5	Training of nalla from Tansa main near Western Boundary of Somaiya Trust property upto the existing Culvert across R. C. Marg, Ghatkopar Part-I.	14.34	5.54
6	Training of nalla from culvert across St. Anthony Road to the culvert of proposed 44' D. P. Road at Ghatla Village, Chembur.	4.22	--
7	Training of nalla from J-15 to existing culvert near Municipal School in Barve Nagar Ghatkopar.	1.29	--
8	Training of nalla from Railway culvert No. 25/2, in Datar Colony, Bhandup (West).	16.71	--
9	Training of nalla from Block No. A-24, upto culvert across L. B. S. Marg in Park Site Colony, Vikhroli.	13.72	--
10	Construction and training of Ramchandra Lane Nalla from Subway to Adarsha Nagar Colony.	39.41	19.91
11	Construction and training of Kurar Village Nalla at Malad (East).	3.11	--
12	Construction of additional channel to the existing nalla with additional span for the culvert at Malvani Colony.	3.88	--
13	Training, constructing and covering of chandavarkar nalla at Borivli (West).	2.56	--
14	Training of nalla from east of Railway Culvert No. 25 upto Navpada level crossing at Bandra (East).	23.77	3.75
15	Training of Navalkar nalla with culvert across caves Road upto western Railway, Boundary, Jogeshwari (East).	2.08	--
16	Constructing and training of nalla at Shanti Nagar, Mahakali Road, Andheri (East).	1.53	--
17	Training of nalla from Rasraj Hotel Irla Nalla, Vile-Parle (West).	21.68	6.07
Total		211.17	42.20

APPENDIX—10

Serial No.	B.M.C. Act Section No.	Location	Action taken
1	305	Private streets in Tokarsey Jivraj Wadi off Tokarsey Jovraj Road 40 feet wide portion A,B,C and 60 feet wide portion	The work of 60 feet wide road is held up due to encroachment.
2	471	Improvement of Private street between Belvedar Road and Mazgaon in Borli wadi	Four cases filed pending.
3	471	Private street in New Badam wadi between shmrao vithal marg and V. P. Road.	Three cases filed pending.
4	471	Private street known as Vakillane off Dr. Gopatrao Deshmukh Marg.	1 convicted. 9 cases with drawn as the work of improvement of street was carried out by the frontagers.
5	305	Improvement of private street between belvedar road and Mazagaon road in Bhardiwadi	Out of 12 frontagers 6 have partly paid and given under taking on the stamped paper for payment of balance and 4 frontagers have been prosecuted in the court and 2 frontagers will be prosecuted after the expiry of notice period.

ESTATES AND LAND MANAGEMENT DEPARTMENT

(1) Money spent .. .. .	.. Rs.	3,98,67,815
(2) Money earned...		
(i) Rent from tenants and lessees .. .. .	.. Rs.	2,05,32,063
(ii) Other .. .. .	.. Rs.	7,16,126

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

1 Plot in Municipal Scheme has been disposed off in the year 1977-78 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
1974-75 ..	6	3,899.03	Rs. 10,63,166.40
1975-76 ..	6	58,933.03	29,09,417.53
1976-77 ..	4	4,570.34	2,98,906.00

Slum Clearance

169 New residential tenements and 13 shops were completed during the year under report.

Industrial Estates

The construction of Industrial Estates has been taken by Corporation for rehabilitation of the Industrial Units required to be shifted from the lands required for Municipal purposes.

No new Industrial Estate has been constructed during the year under report.

New Housing Schemes

(1) The following new tenements were completed during the year under report :—

(i) 20 Tenements at Patanwala Marg.

(ii) 24 Tenements and 6 shops at Abdul Gaffarkhan Road, Worli.

(2) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 47,109 during the year.

DISPOSAL OF LANDS

(A) Long Leases

4 Plots were let out during the year. The total area of the land thus disposed off admeasures 16,214.29 square meters valued at Rs. 3,81,342. The total No. of Plots disposed off upto the end of 1977-78 were 4389 with an area of 54,07,820.08 square metres and valued at Rs. 15,06,84,279.37 yielding an annual ground rent of Rs. 63,67,548. The ground rent is charged at 7% & 10 percent. on the value of land. The rate for calculating ground rent revised from 7% to 10% as per C. R. No. 546 of 23rd March 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.
Plots leased on Rental basis. ..	3	3,672.29	Rs. 2,55,922	Rs. 25,060
Corresponding figure ---				
1976-77 ..	3	2,405.92	4,66,836	34,706
1975-76 ..	2	2,142.89	1,71,452	12,002
1974-75 ..	5	5,862.12	15,57,570	77,513

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 1,23,213.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 33.35 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent of cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears which constitute a part break up of—Rs. 65,17,473 pertaining to 'B' Budget and of Rs. 97,124 pertaining to 'A' Budget shown in statement 'D' can be classified as under:—

Ground rent	Rs.
(1) With-held by lessees to the extent of their security deposit.	1,46,749
(2) Of plots occupied by Government of M.harashtra and Defence Department.	4,91,135
(3) Of properties vested in the Deputy Custodian of Evacuee Property.	9
(4) Of plots against which disputes have been raised and cases are under consideration.	15,43,756
(5) Due from Western and Central Railways.	53,479
(6) Due from Municipal Department.	62,989

(2) Short Leases

2 Temporary leases were granted during year under report.

The number of vacant land tenancies both ex-Trust and Municipal Estates were 3037 and 1120 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. 7,06,694 and Rs. 6,00,485 and the recovery was Rs. 4,82,774 and Rs. 4,84,105 respectively inclusive of arrears.

MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A—Trust Section.

(a) *Chawl Permitted*: The gross demand of tenements in the Chawls for the year was Rs. 44,69,177 on 31st March 1978 as against Rs. 43,71,747.

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 192 sweepers of this department.

The Collection on account of rents from the permanent chawls during the year amount to Rs. 35,13,503 deducting therefrom the charges on account of outgoing amounting to Rs. 78,91,331 net loss comes to Rs. 42,72,828.

The capital expenditure incurred on the chawls including the value of the land was 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 12.96 lakhs per annum. After adding the amount of net loss into the amount of interest and sinking fund charges as shown in Statement 'G', the A/c. for the chawl shows a loss of about Rs. 33,02,771.

(b) *Semi permanent sheds*: The gross demand in respect of 7370 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 21,89,041. The net demand after excluding the concessional rent and vacancies was Rs. 21,30,270. The revenue actually collected comes to Rs. 20,34,574 which was equivalent to 72.01 per cent. of Rs. 28,25,069 being the total recoverable rent including arrears 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. 43,91,093 for chawls and Rs. 21,67,701 for semi-permanent sheds, total outgoing being 192.81 per cent. and 207.01 per cent. respectively.

Amounts transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,174 and Rs. 59,501 respectively. The difference between the standard rents works out on 5 per cent. of the cost of land and 10 per cent. on the cost of construction of post-war residential tenements and subsidised rents actually charged are to be met from the Rent Equalisation Fund.

Revenue collected from tenements constructed for slum clearance was Rs. 29,80,612 against the demand of Rs. 32,80,713 inclusive of arrears.

Acquired properties: At the commencement of the year there were 447 acquired or surrendered buildings in charge of this department containing 6741 tenancies. At the close of the year, corresponding figures were 432 buildings and 6037 tenements.

The gross demand of 6037 tenements in the acquired and re-entered buildings was Rs. 16,03,446. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 16,00,122.

The revenue collected amounted to Rs. 13,87,240 which was equal to 48.63 per cent. of Rs. 28,52,480 being the total recoverable amount including arrears for the previous year.

Summary of revenue: The total collection of revenue Ground rent from leasehold plots, rent from Buildings, Vacant land tenancies and slum clearance properties are shown in Statement 'D'.

Requisitioned Buildings: The management and collection of rent in respect of 18 properties having 415 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. 1,66,819 and the recovery was Rs. 80,236 which was equal to 48.10 per cent. of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 40,638 and Rs. 19,617 respectively. The arrears due for collection at the close of the year stood at Rs. 3,19,725.

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
Ward Officer (Estates).

"A" Statement showing the total areas of developed land.

Change in	As at the beginning of 1977-78. As at the end of 1977-78.	
	Sq. meters in thousands	Sq. meters in thousands
Area permanently leased. ...	64,25.39	6,441.60
Area of trust chawls sites. ..	158.86	158.86
Area sold	7.53	7.53
Area reserved for a Municipal Market.	0.97	0.97
Total ..	6,592.75	6,608.96
Rent of permanently leased area in rupees (in thousands)	13,676.39	13,711.45

"B" Statement of permissions granted in respect of leased plots for 1977-78.

Description	No. of proposals	Premium	Ground rent.
		Rs.	Rs.
Motor Garages ...	5	..	409.00
Additional floors ...	65	39,957.25	65,478.00
Change of users and Misc. proposals such as encroachments, Basement floors, Canopies, temporary structures, Gallery Projections, Rewas projections, Olla Projections, Lofts and Mezzanine floors etc. ...	55	2,435.25	14,720.00
Pines ...	..	..	..
Transfer fees. ...	..	..	..

Statement 'C' showing the disposal of Municipal and Ex-Trust plots during the year 1977-78.

Land/Estate	Plot No. & C. S. No.	Area in sq. mts.	Capital value	Annual Ground Rent.
Municipal				
Lease of land at Subhash Nagar, Govandi to Chembur Trombay Education Society. ...	...	12542	1,25,420	12,542
Total ..	...	12,542	1,25,420	12,542
Ex-Trust.				
(1) Sion Matunga (East) ...	7A	1,316.00	98,700	9,870
(2) Lease for Datta Mandir opp. Central Cinema Girgaum ...	Piece of land of C. S. No. 1476 of Girgaum Div.	23.64	17,730	1,241
(3) Lower Parel Divis. ...	C. S. No. 1 & 2 (Part)	2,332.65	1,39,492	13,949
Total ..	..	3,672.29	2,55,922	25,060

"D" Summary of Revenue of Properties for the year 1977-1978.

(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.	75,51	89,57	165,08	22,61	10,19	32,80	3,00	48,05	50,97
Arrears.	25,46	74,20	99,66	12,55	7,56	20,11	6	28,71	28,77
Totals	100,97	163,77	264,74	35,16	17,75	52,91	3,06	76,76	79,74
Amount collected.	48,71	76,01	124,72	20,74	9,07	29,81	3,46	45,93	49,39
Variation in Demand for the previous year	+12,92	+5,06	+17,78	+1,41	+1,48	+2,89	+1,37	+4,82	+6,19
Carried during the year	..	-12,92	-12,92	-22	..	-22	..	-1,96	-1,96
Amount written off	..	20	20	15	..	15	..	3	3
Arrears as on 1-4-78	65,17	79,69	144,86	15,47	10,16	25,63	97	33,65	34,62
Arrears as on 1-4-77	25,46	74,20	99,66	12,55	7,56	20,11	6	28,71	28,77
Arrears as on 1-4-76	39,75	71,20	100,95	9,36	6,50	15,86	16	21,54	21,70

"E" Statement of tenants constructed for Slum clearance Scheme (Citi and Suburbs)

Serial No.	Locality.	Yard of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standardised Rent	
				Residential	Shops Godowns		Rs.	P.
Municipal Scheme :-								
1	Palton Road Cirwl No. 4	1956	1	5	20	31.30	Rs.	P.
2	Haines Road Transit Camp	1957	19	137	49	26.98	50.43	105.35
3	Tank Pakhadi Transit Camp	1958	27	254	...	26.98	32.05	40.08
4	Dharavi	1959	5	120	...	31.95	22.69	63.20
5	Shopping Block at Haines Road	1960	1	...	4	...	73.64	92.05
6	Do. Do. Milk Street	1962	1	...	17	16.48	31.92	80.91
7	Shopping Block at Tulsiwadi Body-Guard line	1963	1	...	15	32.27	Varying from	
8	Shopping Blocks at Water St.	1963	1	112	10	...	35.15 to 43.94	
Government Aided Schemes								
1	Haines Road	1959	7	112	...	32.05		62.52
2	Haines Road	1959	5	80	...	32.05		
3	Sukhalaji Street	1960	1	76	...	42.24		
4	Sion Scheme 6	1960	1	40	...	31.50		
5	Body Guard Lines	1960	6	96	...	31.49	52.23	51.32
6	Dharavi	1961	5	168	...	31.50		
7	Foras Road	1961	1	42	13	31.49		
8	Rawli Camp	1961	18	288	...	31.50		80.55
9	Bane Compound Arthur Road	1961	6	208	...	31.49		57.03
10	Water Street, Byculla	1961	7	112	...	34.26		
11	Haines Road	1962	2	32	...	32.05		
12	Sion Scheme 6	1962	2	80	...	32.05		
13	Body Guard Lines	1962	8	128	...	31.50		
14	Bapty Road	1963	1	40	...	32.48		
15	Haines Road	1963	6	96	...	34.24		75.40
16	Rawli Camp	1964	14	224	...	34.26		70.85
17	Sion Village Blk E	1964	1	24	11	33.64		135.40
18	Kamathipura C Bk Bapty Rd.	1964	1	22	...	73.16		69.66
19	Do. Bapty Rd. 'A' Block	1964	1	26	11	34.07	26.98	66.67
20	Kamathipura M.I. Area stable street	1965	1	41	11	28.81		87.25
21	60 t. Falkland Road 8th X Lane	1966	1	60	...	34.21		87.25
22	60 t. Hains Road	1966	3	60	...	34.26		89.91
23	Rawli Camp	1967	6	240	...	41.61	25.98	194.81
24	Rawli Camp	1969	5	132	8	42.38	69.45	73.49
25	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar	1969	1	32	10	42.68	61.00	147.00
26	Kamathipura M.I. area stable street	1970	1	45	12	shops 153.00	63.00	shop 75.00
27	30 Tenements Peru chawl Lalbaug Gas Work Lane	1970	1	30	...	56.44	145.00	149.00
28	60 t. Rawli Camp	1971	3	60	...	39.39		77.82
29	Rawli camp BKE 3 & A. 7	1972	2	44	...	40.77		81.70
30	230 T and 20 shops Rowli Camp	1973	...	230	...	...	105.00	252.00
31	Vikroli	1961	16	396	...	...	52.00	57.00
32	Do.	1963	12	348	...	31.51	57.00	55.50
33	Kherwadi Bandre	1964	17	217	...	34.55	55.50	64.12
34	Tenements along Eastern Express Highway Ghatkopar	1965	108	1004	...	...	...	...
35	60 t. at Bombay Agra Road 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		70.73
40	20 Tenements at Peru Chawl	1976	...	20	...	...	...	...

"F" Statement of percentages of outgoings in respect of Chawls and S. P. Sheds:

Particulars.	Permanent Chawls		Permanent ground floors rooms and S. P. Sheds.	
	1976-77	1977-78	1976-77	1977-78
Sanitary Staff and Pumpmen	23.53	27.02	58.82	49.66
Cost of Management and Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and Taxes	37.25	45.90	88.23	79.94
Repairs and Maintenance including lighting.	74.51	112.39	105.88	69.91
Vacancies.	..	..	..	..
Total	142.79	192.81	260.43	207.01

"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 } Agripada C Chawl	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
4	45-46 } 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
6	29,30&31 } Imamwada B Chawl	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Chawls	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
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 } Suparibaug Chawls	1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
13	47-49 } 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 Bellas 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	13,83,606	87,865
25	1-10 Sydenham Road Chawls	1925	13698.28	16	2,04,720	7,78,071	9,82,791	62,407
26	1-2 Palton Road Chawls	1946	2721.60	25	81,373	2,32,503	3,13,878	19,931
27	3 Palton 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	Naigson 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		54,30,60	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 percent.

A—Includes rooms ren. free oil Sweepers
 B—Rooms used for Office and Stores.
 C—do temporarily occupied by Schools.
 E—do. do. do. Shops.
 F—do. do. do. Gymnasium
 G—do. do. do. Godowns.

"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	23.33	20.69	45.39
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.	1975	1976	1977	1978
(1) Number of Tenancies	4133	4138	4143	4144
(2) Balance of arrears in lacs of rupees....	19.26	21.35	30.45	39.36
(3) Demand for the year in lacs of rupees...	51.75	54.57	69.33	78.51
(4) Total demand including arrears in lacs of rupees.	71.01	75.92	99.78	118.32
(5) Amount collected in lacs of rupees.	52.75	50.41	62.74	52.18
(6) Percentage of collection to the demand including arrears.	74.19	66.40	62.88	44.10
(7) Percentage of collection to the demand for the year.	101.93	93.21	90.49	66.45
(8) Percentage of arrears to amount for collection.	27.12	28.12	28.70	33.35

BOMBAY FIRE BRIGADE

During the year under report, Shri A.S. Kulkarni retired as Chief Fire Officer on attaining the age of superannuation Shri G.S. Salvi was appointed as Chief Fire Officer from 1st June, 1977.

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. 1,66,72,000 and the amount of expenditure side comes to Rs. 1,35,31,775.

(2) Premises :

(a) Fire Stations :

The total number of Fire Stations in Greater Bombay remain 19 only with the exception of Shivaji Park Fire Station having been kept out of commission for major repairs.

The plans of the proposed Fire Station on Malad Marve Road, Malvani and that of Suburban Headquarters at Marol have been approved. Similarly plans have been approved for renovation of existing Mamonwada Fire Station. Further action in these cases is in process.

(b) New Control Room :

With the addition of Fire Stations during the past five years, the present Control Room set up which was re-organised in 1963 was found to be inadequate. Keeping in view the large number of new Fire Stations including Suburban Headquarters at Marol that are now at the drawing-board stage and also taking into consideration the latest equipment available in the field of communication, it was decided to re-organise the entire Control Room and communication set up. Accordingly, Messrs. Tata Consulting Engineer were appointed to prepare a Project Report which is in the stage of finalisation.

(3) Communications :

(a) Fire Alarms :

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 and the old machinery being unserviceable. Attempts have been made to secure new equipment to replace the existing machinery. The matter has been taken up with the Bombay Telephones and the Indian Telephone Industries.

(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 communication system :

Besides having Telephone lines as above, the Brigade has been supplemented with 18 Station Wireless Sets, 31 Mobile Sets 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 Ladder, Turn Table Ladder, Motor Emergency Tender, etc. The details of the appliances and equipment are furnished in the Appendix ' I '.

(5) Emergency Calls :

The Emergency calls during the year under report were as follows :—

Fire :	2456	House Collapse :	445	Rescue	470
Others	898	False	177		

(a) Fires :

There were 28 serious fires during the year (*vide* Appendix ' II ').

Burning Casualties :

There were 256 casualties due to fire out of which 69 persons lost their lives (31 male and 38 female), 187 persons received burns and subsequently recovered. Out of the total casualties 42 cases (25 female and 17 male) were of suicide. Most of these fires were domestic.

Fire Loss :

The total loss due to fire was approximately Rs. 6,22,20,186. Out of this, damage to insured property was Rs. 5,50,29,279. The total property involved was worth Rs. 9,49,78,800.

(b) House Collapse :

19 persons lost their lives and 112 were injured in House Collapse. Some serious House Collapse are mentioned in Appendix ' III '.

(c) Other Services :

There were 898 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.

107 persons lost their lives in such accidents and 115 persons received injuries.

(d) Rescue Service :

The Brigade attended 470 calls of various types of rescue work such as persons fallen in wells, drowned in sea, trapped in lift, sewers, etc. In all 136 persons died in Rescue Service and 183 persons were injured. Majority of deaths (98) were by drowning. The Brigade also rescued 134 animals and birds.

(6) Water supply and sources :

The approximate quantity of water used for extinguishing fires was about 92,51,639 litres out of which 91,29,798 litres were drawn from Municipal Mains and rest from sea, wells, ponds, etc.

The total number of hydrants in the City and Suburbs is 11, 246.

Number of other sources available for water supply have been listed in Appendix 'V'.

(7) Ambulance Services :

The Ambulance Service continued to attend hire calls, maternity calls, in addition to Fire, House Collapse calls, etc. The details are as follows :—

Accident	1280	Maternity	251
Hire	2179	Free poor cases	2

In all 3,686 persons were removed in Ambulances. First-aid rendered on 28 occasions. The total receipt during the year on account of hire cases amounts to Rs. 40,807 including arrears as against Rs. 25,718 in the previous year.

(8) Fire Prevention Cases :

Year	Total cases received	Disposal of
1976-77	9453	8085
1977-78	9767	9487

The cases received in the year 1977-78 :—

	Cases
Licence, Factory and Health Department of Municipal Corporation	6912
Public Entertainment and Buildings	1279
Commissioner of Police, Inspector of Explosives and Controller of Drugs	140
Complaints	1160
Multi-storeyed buildings	393

(9) General :

During the year under report, three posts of Assistant Divisional Officer were created for attending the work of—

- Development of new Fire Stations and remodelling of old Fire Stations.
- Improvements in communication set up.
- Better co-ordination among various Municipal and Government authorities to ensure adequate water supply at the scene of fire.

(10) Deputation of Fire Officers :

(a) Shri S.S. Rane, Assistant Divisional Officer of this department has been deputed to Messrs. Air India from 12th December 1977.

(b) Shri R.R. Rao, Divisional Officer of this department who was on deputation to Government of Maharashtra from 18th May 1964 and continued upto 31st January 1977 as Senior Staff Officer (Industries) has voluntarily retired on 1st June 1977.

(c) Shri S.M. D'sai, Assistant Divisional Officer, who was on deputation to the State Bank of India from 16th April 1974 has voluntarily retired on 1st November 1977.

(d) During the year under report, Shri K.D. Jape, Station Officer, was deputed to National Fire Service College, Nigpur, for undergoing training in Divisional and Assistant Divisional Officers' Course. He has successfully completed the said Course.

(11) Other Activities :**(a) Annual Drill Competitions :**

The Annual Drill Competitions were conducted as usual. During the year, competitions were held in (i) Fire Trailer Pump Drill and (ii) Motor Pump Extension Ladder Drill.

Teams from different Fire Stations participated in each competition.

Shri Vijay Merchant, the Chief Guest, distributed the prizes and Shri B.G. Deshmukh, Municipal Commissioner, presided over the function. Byculla 'A' Team led by Shri Sharad Dalvi, Assistant Station Officer, secured first place in both the above competitions. The winning Team was awarded the Municipal Commissioner Challenge Cup for Trailer Pump and Rustom Palimcoat Memorial Shield for Extension Ladder.

The Chief Fire Officer's Rotating Trophy, for Best Performance in Drill Competitions was awarded to Station Officer A.D. Jhandwal.

(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 Prabhuchimalkar and the prizes were distributed by Smt. Prabhuchimalkar.

(c) Observance of Fire Services Week :

The Bombay Fire Brigade in coordination with other Fire Services of the City observed the Fire Service Week from 8th April to 13th April 1977 and Fire Service Day on 14th April 1977.

A number of fire-fighting demonstrations were arranged to make the public fire conscious.

Officers of the Brigade visited several industries of the City and delivered lectures on Fire Prevention. The Brigade personnel joined hands with other organisations to raise funds for the welfare of the Fire Services personnel by selling Flags to the public on Fire Service Day. The solemn function of the Week was the Prayer Meeting at Fire Brigade Headquarters to pay homage to the gallant Fire Officers and men who laid down their lives while fighting a fire in the disastrous Dock Explosions of 1944. Shri Murlidhara, Mayor of Bombay, 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 along with 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 Officer.

(12) Awards :**(a) President's Fire Service Medal for Gallantry :**

The following personnel of the Fire Brigade Department have been awarded Gallantry Medal by the President of India.

- (i) Shri A.S. Kulkarni, Ex. Chief Fire Officer.
- (ii) Shri V.V. Rao, Station Officer.
- (iii) Shri Baburao Narayan Surve, Leading Fireman.
- (iv) Shri Krishna Anant More, Fireman.

(b) Fire Service Medal for Gallantry :

The following personnel of the Fire Brigade Department have been awarded Fire Service Medal for Gallantry.

- (i) Shri Anant Ramchandra Shirke, Fireman.
- (ii) Shri Ankush Gangaram Shirke, Fireman.
- (iii) Shri Madhukar Dinkar Bhosle, Fireman.
- (iv) Shri Vasant Gangaram Chavan, Fireman.

The Medals were awarded for the conspicuous Gallantry, extra-ordinary bravery and the highest sense of duty displayed by the above personnel at great risk to their own lives while rescuing persons from a fire affected building at Parel, Bombay, on 31st January 1977.

(c) President's Fire Services Medal for Meritorious Service :

On the occasion of Republic Day, Sarvashri G.S. Salvi, Chief Fire Officer and Shankar Ganpat Sawant, Driver Operator, were awarded President's Fire Service Medals for Meritorious Services on 26th January 1978.

(d) Vocational Service Award :

The Lions Club of Walkeshwar, Bcmby, has offered the following awards to the personnel of this department.

- (i) Annual Rotating Trophy and Cash Prize of Rs. 251 to the Best Fireman of the year 1977. Shri N.P. Shinde, Assistant Divisional Officer.
- (ii) A cash prize of Rs. 151 to the Second Best Fireman of the year 1977. Shri K.R. Syed, Sub-Officer.
- (iii) Cash Prize of Rs. 101 to the Third Best Fireman of the year 1977. Shri Dayanand Gangaram Salvi, Fireman.

(e) Best Fireman Award of Rs. 100 :

Driver Operator Ramchandra Dagdoo Gawali.

(f) Cash prize of Rs. 50 for securing first prize in Driver Operator's Class :—

Driver Operator Dadu Dudhaji Shinde.

(g) Award of Scholarship to Children of Brigade Employee :

As in the previous year, Scholarship ranging from Rs. 8 to Rs. 70 were awarded to 73 school going children of the Brigade employees who passed the Annual Examination with credit from Standard IV to XI.

(13) Fire-fighting training to outside candidates :—

(a) Practical training in fire-fighting and rescue operations was imparted to the Home Guards of Greater Bcmby.

(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. MFHERWANJEE,
Ag. Chief Fire Officer,
Bombay Fire Brigade.

APPENDIX ' I '

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 Canteen Van	1
(10) Control Post Van	1
(11) Motor Ambulances	17
(12) Other vehicles—	
(a) Delivery Van	1
(b) Jeeps	18
(c) Cars/Station Wagons	3
(13) Scooters	3
(14) Ladders of various sizes	91
(15) Breathing Sets—	
(a) Oxygen	36
(b) Compressed Air	36
(16) Hose Delivery R.R.L. 2 3/4" size	84,180 ft.
(17) Hose Delivery R.R.L. 1 1/2" size	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
Out of the above appliances and equipment the following were purchased during the year 1977-78.	
(a) Jeeps	5
(b) Ambassador Cars	2

APPENDIX II

Brief details of serious fires during the year 1977-78.

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Damage
1	2	3	4	5	6
					Rs.
7.4.77 0300 hrs.	212, Kabaliwadi, Opposite China Mills, Thokara Jivraj Road, Bombay.	Garages	F/M with 7 lines from 7 motor pumps.	Large quantity of cloth, motors (electric), batteries of various volts, lathe machine, drill machines, colate machine, pressing machines, large quantity of 1 grade timber, welding machines, motor lorries, motor bus, motor layland engines, dozer engines, tools spray painting machines, furnitures, cupboards steel and wooden, various jacks, grinder machines, tyres of various sizes, spare parts, windows, roof of two floored building severely damaged by fire, heat, smoke and water.	8,19,000
8.4.77 1905 hrs.	Plot No. A-55, Marol Industrial Area (M.I.D.C.) Andheri, East.	Mfg. diecast components etc.	F/M with 1 jet from 1 pump.	Spark erosion machine with generator corbide coating machine with accessories, water cooler electrical, dies and tools, raw material and steel furniture etc. generealy damaged by fire, heat, smoke and water. Electric installation, paint work of wall severely damaged by fire, heat, smoke and water.	4,02,000
6.5.77 0230 hrs.	Sant Sawata 2nd Cross Lane, Dhotiwala Estate.	Dealers in machines.	F/M with 2 first-aid appliances, 2 small and 1 big line of 4 pumps.	Some quantity of packing material, machinery, utensils, carpet, welfare oil potatos, cloths, household material, wooden planks, wooden door, roof, windows severely damaged by fire, heat, smoke and water.	1,16,000
13.5.77 1201 hrs.	E-17, Waman Wadi, Opp. Vithal Narayan Purav Marg, Chembur, Bombay.	Plastic goods etc.	F/M with 11 lines of 8 motor pumps.	A large stock of tar in drums, plastic granules, rubber, rubber sheets, rosin in drums, other chemicals, auto spare parts, two road tankers, tractor trailer, electric installation, office furniture, rocerdas, household articles, etc. were severely damaged by fire, heat, smoke and water. Two timber frame, C.I. sheets, wall structure were also severely damaged by fire, heat, smoke and water and by breakage.	2,47,700
20.5.77 1842 hrs.	Messrs. Hindustan Petroleum Lab. Oil Div., M.S. R. Road, Sewree, Bombay-15.	Lab. Oil and grease mfg.	16 M.P. of 12 lines	The fire had damaged grease and process product kettles, overhead storage tanks of lubricating oil, caustic soda, muttong fallow, fatty acids, lithium hydroxide, electric motors, stirters, electrical fitting and installation of the grease mfg. plant severely damaged by fire, heat, smoke and water.	15,00,000
3.6.77 0446 hrs.	O.K. Oil Storage Compound, Jn. of Hari Bunder Road and Sewree Fort Road.	Godowns	F/M with 2 first-aid appliances.	Large quantity of starch powder (about 5 tons), detergent powder about 25 tone and talcum powder (about 20 tones) in gunny bags severely damaged by fire, heat, smoke and water.	1,40,000
28.7.77 1628 hrs.	72,74 Dontad Street ...	...	F/M with 6 lines from 6 motor pumps and one line of Civil Defence.	A large stock of chemical viz. ammonium chloride, bleaching powder, coastic soda, soda ash and some acid in various containers, tarpauline sheets, the entire ground floor structure with doors windows, electrical installations etc. severely damaged by fire, heat, smoke and water.	2,68,850
9.8.77 1612 hrs.	Krishna Cotton Press Compound, Zakeria Bunder Road, Sewree.	Cloth Mfg.	F/M with 4 lines from 5 motor pumps.	Large quantity of surgial cotton in doras, superior cotton waste, wall and ceiling of godown slightly damaged by fire, heat, smoke and water.	1,27,000
12.8.77 0647 hrs.	Victoria Dock Shed No. 23 and 4.	Cearing Agents.	F/M with a motor pump and a first-aid appliance for cooling the body of the truck.	108 drums of sodium hydro sulphite were totally damaged by fire.	1,08,000
23.8.77 1825 hrs.	Messrs. Hoochat Dyes and Chemicals Ltd. Plot No. 14/A, Paper Box Estate, Mahakali Caves Road, Andheri (East).	Colour	Fireman with 4 Jets from four Motor Pumps.	A large stock of different types of colours, pigment, dyes packed in plastic, gunny bags, etc. Electric installations, paint work of the walls, plaster of walls, two rolling shutters, window frames, severely damaged by fire, heat, smoke and water.	Over 25 lacs.

APPENDIX II

Date and Time	Place	Business	Extinguished by	Description of damage	Estimate Damage
1	2	3	4	5	6
					Rs.
17-10-77 2102 hrs.	Sayani Road, Messrs. Bharat Pulverising Mills Pvt. Ltd. Bombay-25.	Godown	F/M with 8 motor pumps.	A large stock of solid, seim solid and liquid insecticides in bags, cans, drums, bittles, stock of packing material, part of the structure was damaged due to fire, heat, smoke, water and breakage.	1,10,000
18-10-77 0717 hrs.	14/16, P. Ratilal & Co., Saifce Jubilee Street, Chakal Street.	Dealers in ready-made garments.	F/M with 6 pumps	A large portion of tile roof, electric fixtures, six ceiling fans, a large stock of readymade garments, clothes rolled in bundles, sewing machines, one over-lock machine, jutes bags and plastic bags, files and records severely damaged by fire, heat, smoke and water.	1,61,500
22-10-77 0317 hrs.	Shopping Centre at Ramji Kalyanji Chawl, near Revoli Cinema, Joshiwadi Mahim (E), Bombay-16.	Cloth Stores etc.	F/M with 5 motor pump appliances.	A large stock of cotton and silk fabrics stationery articles, readymade garments, sweet meat, grains, food grains, electrical accessories, office records, furniture, sign boards, portion of ground floor structure severely damaged by fire, heat, smoke, water and breakage.	1,34,000
22-10-77 1020 hrs.	Vazir Glass Works Ltd., J.B. Nagar, M.V. Road, Andheri (E).	Mfg. of glass bottles and glass wares.	F/M with 8 engine lines of 8 motor pumps.	Large stock of glass bottles of various sizes packed in curtains, raw in gunny bags and packing materials and cardboard boxes etc., shed of tarpaulin and bamboo construction an area of 150 mts. x 40 mts., A.C. sheet shed, electric fitting around the shed, window frames severely damaged by fire, heat, smoke and water.	35,67,000
11-11-77 0151 hrs.	Santacruz (East), T.P.S. Road, Road No. 11, Municipal Maternity Hospital.	Maternity Hosp.	Fireman with two Motor Pumps.	Different size of glass bottles containing various types of medicines, tablets, office record, electric installations, electric fan, wooden shelves, dinerent size of bandages, cotton, window glass, wooden furniture, etc. severely damaged by fire heat smoke and water.	2,14,000
11-11-77 0335 hrs.	L.B.S. Market, Lakhamsi Napoo Marg, Matunga (E).	Fruit Stalls	F/M with 5 big and 2 small lines of 8 motor pumps.	Large stock of vegetables, fruits, spices, various types of fabrics, wooden enclosure of stalls, shutters, doors, windows, electrical installation, ceiling, etc. severely damaged by fire, heat, smoke and water.	1,85,000
16-11-77 0315 hrs.	Shri Ram Industrial Estate, Katrak Road, Wadala.	Industrial Estate	F/M with 1 first-aid appliance and 3 motor pumps.	Several refrigerators, air-condition machines, electric oven, set of oxyacetylene gas cylinders, various electrical and mechanical hand tool, spare parts, wooden furniture, office record, wooden partitions, electric installation etc. severely damaged by fire, heat, smoke; water and by explosion.	1,27,000
16-11-77 0522 hrs.	Victoria Dock Shed No. 2, Bombay-1.	...	F/M with 8 motor pumps.	Steel frame work, A.C. sheet roof, 6 windows and portion of flooring, electrical installation, such as switches, electric wiring, etc., 160 bags of coco bales, 300 bales of yarn, 1250 bags of moulding powder, 120 bags of corn cople, 175 bags of plastic article, 60 wool bales severely damaged by fire, heat, smoke and water.	30,30,000
5-12-77 1939 hrs.	Banaji House, 361/65, D.N. Road, Fountain, Bombay-1.	Dealers in shares and opticians etc.	F/M and Home Guards with 12 motor pumps and 1 Civil Defence Appliance.	The premises involved is an old conventional type of brick walled, timber framed structure used as shops and offices admeasuring about 80' x 60'. Of ice records, papers, furniture, entire wooden staircase, ceiling, doors, windows, tiled roof, electric installation, paint work etc. severely damaged by fire, heat, smoke and water.	1,82,110
7-12-77 0116 hrs.	Messrs. Sangam Soap Works B.P.T. Plot No. 118 and 119, Antop Hill, Wadala (E), Bombay.	Soap and shoes mfg. etc.	F/M with 4 lines from 4 motor pumps.	A large stock of raw material and finished product of soap, machinery, packing material, furniture, electric installations etc. and leather goods, safety equipment such as goggles, boots, helmets, canvas, leather, rubber gloves etc. severely damaged by fire, heat, smoke and water.	1,20,000

APPENDIX II--(Concl'd.)

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated Damage
1	2	3	4	5	6
					Rs.
17-12-77 0242 hrs.	The Greater United Industries Co-Op. Estate Ltd., Pai's Street.	Private	F/M with 4 lines of 8 motor pumps.	A large stock, of tarpauline, canvas cloth, wooden boxes containing yarn, paper rolls, polythene paper, gunny bags (Containing gum) furniture, office record etc. severely damaged by fire, heat, smoke and water.	1,22,5000
26-12-77 0145 hrs.	Morland Road, Marnas Estate.	Cloth Mfg., Steel Mfg., horse stable etc.	F/M with 8 jets from 12 motor pumps.	Stables, mechanical workshop, trunk and steel cup-board factories, colour factories, looms, khoka mfg. etc. in ground floor timber framed structures over an area of 150×100 mts. severely damaged by fire, heat, smoke and water.	Round about Rupees crore.
30-12-77 0250 hrs.	Juhu Parle Scheme Road No. 10, Vile Parle (West), Bombay-56.	Bus contractors	F/M with 1 motor pump and first-aid	Bus No. MHT-9922, engine of bus, seat cushion, entire body, tyres, steering, head light and Bus No. 9923, entire body, seat cushion, engine, tyres, head light severely damaged by fire, heat, smoke and water.	2,20,000
27-1-78 1145 hrs.	B. A. R. C. Compound, Chikka Wadi hutment off S.T. Road, Trombay, Bombay.	Private	F/M with 2 engine lines of 2 pumps and B.A.R.C. fire services with 1 engine line with 1 pump.	126 hutment were in fire alongwith food-grains, eatables and household articles completely destroyed by fire, heat, smoke and water. 8 hutments severely damaged due to breakage and water.	1,42,450
1-2-78 2110 hrs.	Jogeshwari Jogeshwari Yard.	Grass Bazar, Grass merchant	F/M with 10 motor pumps, railway fire Brigade with one pump.	About 15000 grass bales over an open ground, area about 800×300 ft., electric cable, flood power lights and flood light tower installation, etc. were severely damaged by fire, heat, smoke and water.	7,50,000
22-3-78 1335 hrs.	Haji Bunder, M.S.R. Road, Sewree.	Landlords	F/M with 4 motor pumps.	A large stock of chemical in drums, carboys and other packings on open ground in a ground floor shed one mobile crane, doors, windows and A.C. sheet roof of a ground floor structure area about 30×15 ft. damaged by fire, heat, smoke and water.	1,83,000
24-3-78 1947 hrs.	Sakina Manzil No. 2, 330, Raja Rammohan Roy Marg, Girgaum, Bom- bay-4.	Various shops	F/M by 12 lines of 16 motor pumps and one snorkel.	A large stock of rubber goods, motor tyres, electrical accessories, sign boards, TV. sets, radios, electronics, wooden furniture, household articles, brick walls, wooden doors, windows, electrical installation, staircase etc. severely damaged by fire, heat, smoke and water.	2,55,900
28-3-78 0644 hrs.	Bombay Central Railway Yard, near Mahalaxmi Bridge.	Railway	F/M with 2 motor pumps.	Two boggie of Western Railway severely damaged by fire, heat, smoke and water.	4,00,000

APPENDIX—III

Brief details of Serious House Collapses during the year 1977-78

Serial No.	Date and Time	Place	Death	Injury	Details
1	2	3	4	5	6
1.	16-7-1977 0556 hrs.	28 Mangesh Shenoy Street, Jawahar Mansion, Bom- bay.	8	8	Cement concrete flooring of a room on 6th floor of a seven floor building had completely collapsed thereby entrapping two occupants of the said room under the debris and also injuring other persons.
2.	22-7-1977 1410 hrs.	160, Bazargate Street; Fort, Bombay.	2	3	Entire east side portion of the five floored brick wall timber framed, tiled roof structure has collapsed on ground floor, causing injury to five persons out of which two persons were buried in debris.
3.	31-7-1977 1454 hrs.	68, 7th Kamathipura Lane, Bombay.	1	3	Portion of ceiling, area about 3×3 mts., of a ground floored structure had collapsed thereby three surface casualties which were removed by the members of public before the arrival of Brigade.
4.	3-10-1977 1331 hrs.	240, Navsari Bldg., Dada- bhai Naoroji Road, Bom- bay.	10	10	Portion of the flooring of the terrace of area about 15'×12' of a five floored, brick walled, timber framed building had given way, thereby further causing collapse of false ceiling and flooring of the same area of 4th and 3rd floors and entrapping 10 persons.
5.	19-10-1977 1537 hrs.	94, Kambekar Street, Bom- bay.	3	14	A rear portion, admeasuring about 10×7 mts. of a five floored building had completely collapsed bringing down the staircase also of the upper three floors.
6.	2-11-1977 0930 hrs.	96, Hamid Building, Maulana Azad Road, Tank Pakhadi Street, Bombay.	1	4	Entire east wing of the ground and three upper floors, brick walled, timber framed building was collapsed and trapping number of people in the debris.
7.	10-1-1978 1150 hrs.	Gauri Studio (P) at Natraj Compound, Sir M.V. Road, Andheri (E), Bom- bay.	1	8	The entire metal trusses of the roof of a two floored studio building, area 140 ft.×80 ft. had collapsed, trapping in all eight workers underneath the trusses and injuring one person.
8.	15-1-1978 1052 hrs.	264, Falk-land Road, Palam- bar Chawl, Bombay-4.	16	16	An entire portion of two rooms on all the first, second and third floors of a four floored building under repairs had collapsed with the result that 11 persons were injured and some persons were trapped under the debris.
9.	27-1-1978 1240 hrs.	45, Kamathipura, 4th Lane, Bombay.	1	5	The eastern wall of the first floor of a three floored building had collapsed injuring six persons.

APPENDIX—IV

Serial No.	Types of Rescue	In fire	In accident	Total
1.	Number of persons rescued alive with subsequently recovered.	187	510	697
2.	Number of persons rescued alive with burns and/or injuries but subsequently died.	69	262	331
3.	Number of human lives lost before arrival of Brigade	34	78	112
4.	Number of casualties amongst Fire Service personnel	4	8	12
5.	Number of animals lives rescued.	9	134	143

APPENDIX No. V.

Fire Risk Covered :

1	Textile Woollen Silk and artificial silk (Rayon etc., Mills)	...	...	156
2	Ginning Mills	...	...	2
3	Cotton Presses	..	..	9
4	Oil Mills	..	..	25
5	Petrol and Oil storages, refineries	...	...	24
6	Match factories, fire works and explosives manufacturerers...	..	...	2
7	Explosives stores	...	...	10
8	Processes involving dangerous petroleum products	...	...	9
9	Cinematograph films Celluloid plastics and Bakelite works	...	...	19
10	Timber and wood working paper manufacture	...	...	105
11	Chemical Works	..	...	54
12	Gas and Electricity Undertaking	...	...	55
13	Docks, railways, Air-Port installations	...	...	30
14	Warehouses, Goods Yards, Goods Sheds	...	...	198
15	Manufacture of rubber goods	...	...	15
16	Manufacture of other goods	...	...	410

Water Facilities :

17	Hydrants and approximate capacity	...	...	8609
18	Water Ponds	...	...	13
19	Refilling places	...	..	33
20	Wells Rivers and Canals	..	..	685
21	Other facilities like static tanks, storage tanks etc.	..	..	165

} and Sea Water
around the island of
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 1977-78

Sr. No.	STATIONS.	NUMBER OF FIREALARMS ATTENDED.		HOW CALLED		HOW ATTENDED														HOW EXTINGUISHED.											
						STATION APPLIANCES				AIDING APPLIANCES.																					
		Municipal.	Private.	By Strangers.	By Fire Alarms.	Control Room	Total.	Motor Pumps 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 J. S.	B. A. Sets	Automatic Sprinkler heads actuated.	Four Equipment.		
1	Colaba	20	1	20	21	129	170	151	30	...	27	3	16	...	...	1	...	3	40	18	6	11	...	...	5	...	...	...	...	...
2	Fort	3	3	38	6	260	304	282	...	...	73	26	2	...	...	8	1	...	49	22	10	25	...	30	28	...	...	...	...	...
3	Memonwada	41	2	68	43	548	695	655	131	...	50	11	17	...	...	11	7	4	130	54	1	16	...	11	27	2	...	...	...	...
4	Gowalia Tank	14	...	60	14	342	416	405	10	...	175	23	32	...	...	5	2	1	22	13	5	13	4	23	17	...	...	...	...	...
5	Byculla	6	2	48	8	267	323	302	62	...	35	24	4	...	...	18	5	2	81	41	5	26	13	18	...	...	...	...	...	...
6	Worli	...	...	8	...	359	367	361	109	...	57	120	2	...	...	3	1	1	43	45	147	...	17	15	44	60	4	...	...	...
7	Dadar	...	...	33	...	281	314	95	272	...	80	48	4	...	...	9	2	2	64	36	282	...	22	9	...	52	...	...	...	...
8	Shivaji Park	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Indira Dock	30	10	2	40	50	92	52	64	...	74	35	3	2	...	8	5	4	11	4	16	...	8	4	35	88	...	...	5	...	
10	Mandvi	10	5	5	15	72	92	91	21	...	48	20	10	2	...	2	2	1	32	5	4	...	15	4	30	32	...	...	...	...	...
11	Sewree	1	...	15	1	111	127	86	41	...	70	80	...	7	...	7	7	6	21	12	62	...	34	13	99	105	...	...	...	...	...
12	Andheri	...	...	15	...	530	545	...	454	...	2	99	...	3	...	12	8	2	123	140	16	...	4	...	24	70	...	...	...	...	...
13	Vikhroli	...	...	27	...	134	161	...	154	...	42	2	...	...	...	2	1	1	25	23	23	...	18	2	40	49	...	...	...	...	1
14	Chembur	...	...	25	...	148	173	...	178	...	9	14	...	...	...	4	1	...	28	15	22	...	6	2	26	26	...	...	...	...	...
15	Dbaravi	...	...	12	...	112	124	...	124	...	18	49	...	...	...	5	3	...	40	18	7	...	5	4	15	35	...	...	...	...	...
16	Deonar	...	...	8	...	50	58	...	56	...	26	...	...	...	...	1	...	...	15	5	10	...	...	...	13	9	...	...	...	...	...
17	Mulund	...	...	15	...	86	101	...	100	...	47	3	...	...	...	13	1	4	11	6	18	...	3	1	25	26	...	...	...	...	...
18	Raoli Camp	...	...	17	...	33	50	...	48	...	3	27	...	...	...	2	2	10	7	...	...	7	...	7	3	...	...	...	...	...	...
19	Kandivali	...	...	34	...	164	98	...	198	...	...	46	...	...	...	7	...	34	25	29	...	7	1	23	25	...	...	...	...	...	7
	Total	125	23	450	148	3712	4310	2489	2070	...	95	740	95	14	16	119	48	33	779	491	863	...	237	72	493	627	2	4	15	...	...

APPENDIX No. VII.

Fires and losses for the period from 1972-73 to 1977-78.

YEAR	NO. OF FIRES	ESTIMATED LOSS
		Rs.
1972-73	2261	7,29,06,469
1973-74	1923	4,12,25,836
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

APPENDIX No. VIII.

Special Service Call

Sr. No.	Date and Time	Place	Death	Injury	Details
1.	19-6-1977 2155 hrs.	Jagdusha Nagar, Golibar Range, off L.B.S. Marg, Ghatkopar (W), Bombay.	9	11	A partly brick and stone messanary with RC.C. Slab, compounwall of 50 M. length 2 1/2 mts. height and 70 M. length and 2 mts. height at two different places of a distance of about 250 mts. from each other gave way and collapsed on huts. Total 20 persons sustained injuries.
2.	24-8-1977 0644 hrs.	Adi Shankaracharya Marg, New Powai Telephone Exchange Gandhi Nagar, Powai		16	A B.E.S.T. singal decker bus bearing No. MRL/5606 speeding along the road from West to East and a motor lorry bearing No. MRL/3522 speeding along the road from East to West collided against each other. Total 16 persons injured.

MARKET DEPARTMENT

There are 89 Markets—70 Municipal and 19 Private under the control of the Corporation. In addition to this, 909 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 1075 personnel (Supervisory 5, Inspectorial 199, Indoor staff 70 and Labour staff 801).

The Markets are situated in 3 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.
City	32	11	267	86,36,955	40,49,415	31,26,240
Eastern & Western Subs.	28	3	495	14,76,500	14,88,255	2,30,586
Eastern & Western Extended Subs.	10	5	147	6,61,315	4,81,400	2,07,260
Total	70	19	909	1,07,74,770	60,19,070	35,64,086

Cold storage mutton and vegetable chambers at M. J. P. Market worked throughout the year.

During the year, revenue amounting to Rs. 1,07,74,770 was collected against the amount of Rs. 1,04,80,150 for the previous year. So also expenditure for the year was Rs. 95,83,156 as against Rs. 95,46,675 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 11,187 places were raided and Rs. 1,84,590 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 229 dogs and 48,972 milch cattle were immunized at 10 centres. The curative and preventive treatment to animals was continued at the Khar Veterinary Dispensary.

Due to increasing nuisance of hawkers, during 1977-78, most of the Municipal Markets in Eastern Suburbs and Extended Suburbs were not patronized well. Majority of the Markets were in deficit.

The progress of the developments in the Markets are as below :—

City Markets

- (1) Colaba Market ... 1st phase construction will be completed by the end of this year.
- (2) M. J. P. Market ... The plans regarding the 1st phase of construction have been prepared.
- (3) Masjid Bunder Market ... The 1st phase construction work is over. The market licensees will shift in new building as transitory arrangement. The 2nd phase work is already taken up.
- (4) Babu Genu Market ... 2nd phase construction is nearing completion.
- (5) Elphinstone Road Market ... A temporary market is constructed and the vegetable section is shifted as a transitory arrangement.
- (6) Prof. D. K. Mandaj, Parel... Construction of temporary market is completed and all sections in the markets are shifted to the temporary market as transitory arrangement. The old structure has been completely demolished for the development of the market.
- (7) New Dadar Market ... The Improvement programme on the open plot on the north side of the market is completed.
The piling work will start soon. Under the improvement programme a new refuse shed of a big size is constructed and the consolidation of the ground in the open plot behind the wholesale fish section is completed.

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MUNICIPAL CORPORATION

Markets in Eastern and Western Suburbs

- (1) Khar Market ... The work of the central pavilion building is under construction. It is not possible to complete the work before October 1978 as stated in the administration report for the year 1976-77.
- (2) China Baug Market ... The construction work of the China Baug Market is completed. Only 25 per cent. work is yet to be completed. Possession of the building is not given by the W. O. H/E.
- (3) Chembur Naka Market ... The allotment of the shops to the shop keepers affected due to road widening is completed and the auction of the remaining shops will be held soon and the same will be disposed of.
- (4) New Market at Hirachand Desai Road, Ghatkopar (West). ... Shifting of shop keepers coming in road widening of Mahatma Gandhi Road is still in progress.
- (5) Dronar Hutment Colony Market. ... Mode of allotment and fixation of stallage charges of vegetable and mutton stalls is still pending.

Markets in Western and Eastern Extended Suburbs

- (1) Goregaon Market at Topiwala Land. ... The construction work of the permanent market of Topiwala is completed but the possession of the market building is not given in our possession by W. O. (P).
- (2) Plot No. 4 and 5-A at Mulund (West) Sewaram Lalwani Road. ... Possession of the market has been taken over and the spaces are proposed to be given in auction.

Temporary Markets in Eastern and Western Suburbs

- (1) Khar Danda Market ... The work of the temporary market has been taken in hand and it is in progress.
- (2) Kalina Market ... The old Kalina Market Bldg. is already given in the possession of W. O. H/E from the date of dispensary plot of the market started in the year 1976-77 and the old Kalina Market is closed.
- (3) New Vile Parle (E) Market at Morbunglow. ... The work of the alteration of stalls is completed and the shop keepers from the old market are likely to take the possession of the stalls shortly.
- (4) D. N. Market, Andheri ... The construction of the temporary market at Andheri (West) has been started from 10-2-1978.
- (5) Gandhi Nagar, Market ... The major portion of the plot is encumbered. However the work of construction of temporary market is in progress on the available vacant plot.
- (6) Marol Village Market ... The work of construction of market is nearing completion and likely to be ready by June 1978.
- (7) Sahar Market ... The market plot was under dispute. It is now decided to start the market. Renovation is in progress.
- (8) Kena Market, Govandi ... Construction is in progress.

Temporary Markets in Eastern and Western Extended Suburbs

- (1) Somwar Bazar Market ... The work of construction is nearly completed.
- (2) Malvani Market ... It is under construction.
- (3) Mitha Nagar (Goregaon) Market. ... The work of temporary market at Mitha Nagar was taken in hand. However, due to shortage of cement, work is now suspended.
- (4) Gorai Road Bhabhai Market. ... The work was started but is held up due to objection of local Councillors as they want permanent market.
- (5) New Market at Sewaram Lalwani Road on plot No. 36 Mulund (West). ... Allotment of alternate shops to the shop keepers at Mulund is being finalised by W. O. (T) Ward.

It was observed that immediate steps are required to be taken to carry out the repairs, additions, alterations etc., for the improvements of the markets within the Greater Bombay limits.

A scheme was prepared with a Crash Programme for the improvements of the markets and Municipal Commissioner was pleased to sanction an amount of Rs. 21,22,000 vide his sanction No. MDB/5898 of 15-2-1978.

H. M. CHACHAD
W. O. (Markets).

DEONAR ABATTOIR

Since commissioning of the Abattoir on 16th August, 1971, all the units continued to function smoothly. The number of animals slaughtered during the year is on the increase as can be seen from statement I. During the year under report, additional shift was started in sheep unit to meet increased demand for slaughter and facilities of cold storage were made available to the mutton, beef stall holders and exporters.

The blood powder produced in the Inedible Plant at the Abattoir is of international standard. Production of meat meal in addition to blood powder continued. Daily production of blood powder and meat meal is approximately 500 kgs. and 700 kgs. respectively. The production of meat meal has saved a considerable amount of expenditure incurred on disposal of offal and waste material of the slaughtered animals. Since the offal and the waste material in the Abattoir is rendered in to the meat meal, it is reckoned as a further step to the scientific disposal of the waste material from the Abattoir. The meat meal can be used either as fertiliser or as poultry feed.

The exporters continued to take the benefit of the ideal arrangements provided at this abattoir and the export of meat increased substantially during this year especially in case of chilled mutton which is mainly being air lifted.

As was done last year, during B Kri-Idd-Festival, special arrangements were made for sacrificial slaughter of animal in the Live Stock Markets and Municipal Meat vans were made available for the transport of the animals slaughtered by the sacrificers to the different parts of the city.

Messrs Hoechst Pharmaceuticals and Company continued to utilise the facilities for the slaughter of animals at Deonar Abattoir for the pharmaceutical use of production of foot and mouth disease vaccine. Pharmaceutical concerns like Messrs. Giffon Laboratories, Messrs. Immukia, Messrs. Franco India, the Hoffkine 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 the use of their pharmaceutical products.

On request of Government of India a Seminar (Staff Course) on "Meat Inspection Technology and Abattoir Operations" was held at Deonar Abattoir from 23-1-1978 to 28-1-1978 for the Senior level officials from the state Animal Husbandry Department.

Construction of 600 tenements is in progress. The work of providing additional lines in cattle unit will be taken in hand during the year 1978-79.

The quota of horned cattle sanctioned by the Government in the year 1975 has been found to be quite adequate to meet the needs of the City fully.

Dignitaries from various states and from abroad including the representatives of F.A.O./W.H.O. and Slaughter House corporation have paid visits to the Abattoir and taken advantage of technical expertise available here.

The gas produced in the Goborgas plant is supplied to the two canteens in Abattoir premises.

Dr. D. M. BAILUR,
General Manager,
Deonar Abattoir.

STATEMENT I.

Part-I.

	Buffaloes	Bullocks	M. B. Cs.	Sheep/ Goats	Pigs	Piglings	Total.
Brought							
1976-77	71,183	92,161	13,467	33,12,115	18,756	59	35,07,741
1977-78	69,030	107,127	16,337	37,69,243	22,049	148	39,839,34
Rejected							
1976-77	2,066	1,441	495	14,823			18,825
1977-78	1,342	1,281	385	11,792			14,800
Percentage of Rejection.							
1976-77	2.9%	1.55%	3.66%	0.44%			
1977-78	1.9%	1.1%	2.4%	0.31%			
Animals Removed							
1976-77	412	143	14	2,80,481			2,81,050
1977-78	759	176	47	4,07,091			4,08,073
Slaughtered.							
1976-77	70,165	91,190	12,664	21,77,162	18,437	86	23,69,704
1977-78	68,619	106,842	16,036	24,52,441	21,969	209	26,66,216

Part—II.

Meat	Quantity Produced (in tons)		Condemned (in tons)		Percentage % condemnation	
	1976-77	1977-78	1976-77	1977-79	1976-77	1977-78
Beef	27,236.49	29,969.65	143.48	115.26	0.52%	0.38%
Mutton	21,774.62	24,524.41	18.90	26.27	0.83%	1.70%
Pork	554.83	665.81	6.57	6.89	1.19%	1.04%

STATEMENT—II
Revenue collected at Deonar Abattoir

	1976-77	1977-78
	Rs.	Rs.
(1) Fair fees	35,95,484	39,78,454
(2) Slaughter fees	49,43,848	70,67,558
(3) Licence fee	49,345	1,48,115
(4) Blood fees	3,62,260	4,05,238
(5) Service charges for slaughtering of animals	87,80,371	98,29,207
(6) Miscellaneous Receipts	23,24,745	21,87,740
(7) Rent	2,63,515	2,76,870
	2,03,19,568	2,38,93,182
	Rs.*	+11,48,276
	Grand total	2,50,41,458

* Amount recovered by the way of extra slaughter fees is held in the deposit Account.

LICENCE DEPARTMENT

High-Lights :

(1) Money spent :

(a) Establishment :—Rs. 51,94,266.00

(b) Other :—Rs. 2,47,763.00.

(2) Number of Licences issued and amount realised :—

Section of BMC Act.	No. of Licences issued			Revenue realised (in rupees)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
313(1)(b)(c)	45771	2185	733	27,89,517	1,22,622	36,070
313A/313B	16166	1912	559	29,62,353	7,61,818	2,70,588
328/328A	4907	1174	207	18,99,262	3,04,010	58,175
393, 394	65134	23571	11992	57,83,295	27,32,563	18,20,953

(3)	Prosecutions launched			Fines inflicted (in rupees)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
	3281	2510	1269	3,12,325	1,68,755	1,22,085

Function and Activities : The Licence Department functions in four wings viz., (1) Licence Section, (2) Encroachment Section, (3) Stall-board 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 Bombay Municipal Corporation Act, with a view to regularising the storages of licensable commodities and trades and effectively controlling steam whistles and steam trumpets etc.

With a view to have strict control over unauthorised storages and trades, particularly over the storages of hazardous and combustible commodities seizure action under Section 394(4) of the Bombay Municipal Corporation Act were started. Police complaints were also lodged under Section 516AA of the Bombay Municipal Corporation Act and defaulters got arrested.

(2) **Encroachment Section :** This wing controls hawkers and squatters by issue of licences and removes unauthorised hawkers from roads and foot-paths. The problem of unauthorised hawkers is a difficult one, due to growing population of Bombay city. Formerly, there was a Hawkers Committee to solve these problems by creating hawking zones to hawkers. Now this committee stands defunct and the rights of creating the Hawking Zones are given to Municipal Commissioner. The works of creating hawking zones is in progress and temporary licences for hawkers are being issued to those hawkers who are plying their business prior to 1st January 1974.

(3) **Stall-Board :** This wing deals with issue of permission for various types of projections viz., Stall-board, Weather Frame, Over hanging awning, Show-cases, Cupboards, Steps etc., under Section 313(1)(b)(c) of the Bombay Municipal Corporation Act.

(4) **Advertisement Section :** This wing enforces Section 328 and 328A of the Bombay Municipal Corporation Act and thereby regulates various type of Advertisements and Sky-sign in the City and Suburbs.

During the year permission for hoarding at new sites in City was not granted due to indiscriminate display of advertisement hoardings and boards. In Suburbs, the same policy was applied to hoardings on streets of more than 40 feet in width.

Mass Raid Section : At present there are five Mass Raid Sections, three for City, one for Western Suburbs and one for Eastern Suburbs. This branch takes surprise inspections for checking licences under Section 394, 328/328A, 313A/313B, 313(1)(b)(c). During their rounds of inspections, unauthorised trades, storages, projections and advertisements are detected and actions against the defaulters are taken by filing prosecutions in Court of Law and also by lodging complaints to the respective police stations under Section 516AA of the Bombay Municipal Corporation Act.

During the year in 3950 cases, the forfeiture of the Security Deposits were proposed for infringement of licence conditions and in 2200 cases offence-sheets were filled in for major infringements and unauthorised storages and trades.

D. N. MORF,
Superintendent of Licence Ilc.

APPENDIX 'A'

Statement showing the number of licences and permits issued and fees recovered in the years 1975-76 to 1977-78.

Description	NO. OF LICENCES AND PERMITS									AMOUNT OF FEES REALISED								
	City			Suburbs			Ex. Suburbs			City			Suburbs			Ex. Suburbs		
	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78
										Rs.			Rs.			Rs.		
(1) Commodities and trades including Milk and its products (Sec. 394 & 412A) ...	57,916	61,775	63,776	24,640	22,631	23,318	10,786	11,550	11,780	26,36,081	92,74,805	57,45,972	14,27,808	43,34,625	27,11,986	7,95,455	25,91,272	18,12,953
(2) Blowing steam whistle (Sec. 393) ...	18	47	45	35	56	47	37	32	34	648	2,475	1,609	495	2,565	2,888	1,099	1,050	1,897
Total ...	57,934	61,822	63,821	24,675	22,687	23,365	10,823	11,582	11,814	26,36,729	92,77,280	57,47,581	14,28,303	43,37,190	27,14,874	7,96,554	25,92,322	18,14,850
(3) Transfer of fees (Sec. 394 and 412A) ...	1,573	1,600	1,313	315	3,282	206	250	146	178	14,097	56,331	35,714	3,901	2,83,902	17,689	2,614	2,571	6,103
Grand Total ...	59,507	63,422	65,134	24,990	25,969	23,571	11,073	11,728	11,992	26,50,826	93,33,611	57,83,295	14,32,204	46,21,092	27,32,563	7,99,168	25,94,893	18,20,953

APPENDIX 'B'

Statement showing the number of permits for advertisements issued and amount of fees collected during the year 1975-76 to 1977-78 under Section 328, 328A.

Description	NUMBER OF ITEMS & LICENCES ISSUED									AMOUNT OF FEES (INCLUDING COMPOSITION)											
	CITY			SUBURBS			EXTENDED SUBURBS			CITY			SUBURBS			EXTENDED SUBURBS					
	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78	1975-76	1976-77	1977-78			
										Rs. P.			Rs. P.			Rs. P.			Rs. P.		
(1) Wall posters boards and boards ...																					
(2) Movable boards and handcars ...																					
(3) Illuminated advertisement sky-signs ...	4,988	6,232	4,907	999	1,037	1,174	243	176	207	22,31,384	24,61,449	18,99,262	4,19,930	3,00,487	3,04,010	85,656	55,273	58,175			
(4) Non-illuminated sky-signs ...																					
(5) Wall Paintings ...																					
Total ...	4,988	6,232	4,907	999	1,037	1,174	243	176	207	22,31,384	24,61,449	18,99,262	4,19,930	3,00,487	3,04,010	85,656	55,273	58,175			

APPENDIX 'C'

Statement showing the number of Hawkers Licences issued and amount of fees collected during the years 1975-76 to 1977-78

Description.	Year.	No. of Licences issued.			Amount of fees collected.		
		City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs
(1) Scatter's fees collected in the reserved areas (under Sec. 313).	1975-76	5,967	1,767	447	11,37,423	3,94,217	89,653
	1976-77	6,098	1,462	504	19,35,687	5,83,165	1,91,147
	1977-78	5,964	1,848	450	19,00,543	5,76,332	1,62,197
(2) Fees received from itinerant hawkers licences (under Section 313A).	1975-76	3,144	..	90	4,688	..	11,40
	1976-77	251	326	55	9,806	32,073	9,541
	1977-78	188	64	109	4,520	8,762	8,820
Total of Items 1 and 2	1975-76	9,111	1,767	537	11,42,111	3,94,217	1,01,093
	1976-77	6,349	1,788	559	19,45,493	6,15,238	2,00,688
	1977-78	6,152	1,912	559	19,05,063	5,85,094	1,71,017
(3) Recovery of expenses under (Section 490) for removal of Encroachments under Section 314.	1975-76	..	..	..	13,84,341	3,53,076	1,10,093
	1976-77	..	..	..	19,25,782	6,44,557	3,28,205
	1977-78	10,014	..	..	10,57,290	1,76,724	99,571
Final Total	1975-76	9,111	1,767	537	25,26,452	7,47,292	2,11,186
	1976-77	6,349	1,788	559	38,71,275	12,59,795	5,28,893
	1977-78	16,166	1,912	559	29,62,353	7,61,818	2,70,588

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 Under Section 313(I) (b) (c).

No. of Licences issued.			Amount of fees collected.		
City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs.
			Rs.	Rs.	Rs.
45,771	2,185	733	27,89,517	1,22,622	36,070

SHOPS & ESTABLISHMENTS

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.

The Department consists of 4 supervisory staff, 74 Inspectorial Staff and 86 Indoor Staff. Chief Inspector is in charge of the Department.

The total Establishments registered under the Bombay Shops and Establishments Act, 1948, were 2,05,925 and their classification is shown in Appendix 'A'.

The total complaints received during the year were 1026 out of which, 1019 were disposed of as detailed in (Appendix-B).

Similarly, the total number of prosecutions launched under the Bombay Shops and Establishments Act, 1948, during the year were 10,559 and 8,057 prosecutions were decided and fines of Rs. 3,33,032 were inflicted.

The State Government have sanctioned grant-in-aid for the years 1975-76 and 1976-77, amounting to Rs. 12,084.40 and Rs. 1,54,074.53 respectively to the Corporation for acting on behalf of the State Government.

The total expenditure incurred on different activities of this department during the year amounted to Rs. 15,56,479 (exclusive of provident Fund Leave contribution and Supervision charges). As against this, the total income by way of Registration etc. fees during the year amounted to Rs. 8,22,693.20.

The total number of visits paid to the establishments for the purposes of the enforcement of Minimum Wages Act, 1948, during the year under report were 8,090 out of which, 4,946 for Shops, 2,668 for Commercial establishments, 453 for Residential Hotels, Restaurants and Eating Houses and 23 for Theatres.

As a result of intervention of Inspectors of this Department, an amount of Rs. 94,010.99 was distributed to 406 employees of different organisations by way of increase in wages, differences, etc.

In all 920 Mass Raids were held during the year for the purposes of enforcement of Bombay Shops and Establishments Act, 1948 and Minimum Wages Act, 1948.

APPENDIX ' A '

Registered Establishments.

Serial	Category	City	Suburbs	Ext. Suburbs	Total
1	Shops	81,708	31,594	14,511	1,27,813
2	Commercial Establishments	53,415	8,118	5,583	67,116
3	Residential Hotels	406	104	35	545
4	Restaurants and Eating Houses	6,177	2,926	1,208	10,311
5	Theatres etc.	86	36	18	140
Grand Total		1,41,792	42,778	21,355	2,05,925

APPENDIX ' B '

Complaints Received

Authority	Complaints											
	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 and Estt. Act, 1948.	41	23	12	508	236	112	503	237	116	46	22	8
(2) Payment of Wages Act, 1936.	6	..	..	77	22	25	71	22	25	12	..	..
(3) Minimum Wages Act, 1948.	18	2	..	42	3	1	43	2	..	17	3	1
(4) Workmens' Compensation Act, 1923.	..	..	..	..	..	..	..	..	..	..	..	..

B. M. TRIVEDI,
Chief Inspector, Shops and Establishments.

MUNICIPAL GARDENS

The Garden Department has maintained 474 sites consisting of 291 Gardens, 75 playgrounds and open spaces of various sizes, in the city, suburbs and extended suburbs during the year under report.

With a view to render prompt services and added amenities to the citizens, the Department has been decentralised into 3 zonal offices, having their head quarters at V.J.B. Udyan with effect from 1st April 1977. It has been observed that these zonal offices are functioning, efficiently and are rendering prompt services to the general public.

Veermata Jijabai Bhosale Udyan centrally located in the heart of the Bombay City is one of the best attractions to the visitors. Joy ride, modern play apparatus installed in the Garden remain main attraction of the Children.

As a part of our 'Grow more Trees' campaign about 29,000 Nos. plants were distributed free of cost to Co-operative Housing Societies, Public Trusts, Colleges and Public Institutions for planting in their premises.

Zoo

During the year under report, one Hippopotamus Calf and two Nilgai calves were born in the Zoo.

Protected animals like Chital, Sambar, Black-buck, Ribfaced Deer are bred regularly with steady increase in number. We have purchased, 25 baby crocodiles (length is about 32 c.m. in average) from Sasan Gir, Gujarat State.

Regular annual painting, repair and 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/animals were provided. New constructions of Bird cages and crocodile well, is started.

The dispensary for zoo animals is also nicely maintained in the premises. Top importance is given to preventive measures mainly in birds by way of giving antibiotic, vitamins and minerals through food and water at 15 days interval. Proper Hygiene is maintained by way of keeping cages and enclosures clean with disinfectant and detergent. We were able to keep mortality rate among the zoo animals very low as compared to other zoos. We had vaccinated some important animals with enteritis vaccine by using blow gun. In this way we are quite successful to decrease the mortality rate.

During the reporting year, we have incurred expenditure of Rs. 5,85,282 on zoo as against the provision of Rs. 6,05,000.

There are 220 animals, 624 birds and 271 reptiles displayed in the Zoo, during the year under report.

Open Air Theatre

The Open Air Theatre was hired out to the public on reasonable rent on several occasions during the year under report for Drammas, Social Gatherings and Tamashas etc. and it is becoming popular day by day. With a view to utilize the said theatre to the best advantage of the administration as well as the public, independent separate staff is appointed.

Shivaji Maharaj Udyan at Gateway of India

A garden laid recently at Gateway of India with a fountain and lights, was the attraction during the year under report.

The gardens established in Eastern Suburbs from Kurla to Mulund were maintained properly during the year under report.

Similarly the gardens and playgrounds existed in Western Suburbs from Bandra to Dahisar were kept under proper care and now the gardens like Nanda Deep at Bandra etc. become the attraction of Western Suburbanites.

Fountains: 53 Nos. of fountains were commissioned during the year under report. 5 new fountains with multi coloured, lights are provided at prominent places. i.e. Madhu Park, Khar, Yeshwant Nanda Deep, Madhav Bhavan, Kasturba Chowk etc.

During the year under report, a tree plantation programme was undertaken on a large scale specially to fight air pollution faced in major part of the City and we have planted 6,334 plants in City, 3,872 plants in suburbs and 2,096 plants in extended suburbs.

(A) Maintenance of gardens and playgrounds etc. :-

Area	Gardens	Play-grounds	Gardens attached to Munl. Buildings	Fountains	Ban Stand	Box Hedges	Statue
City	155	61	14	35	6	1	11
Suburbs	96	14	3	12	6	1	4
Ext. Suburbs	40	..	6	6	1	..	2
Total	291	75	23	53	13	2	17

(B) Planting of Trees :—

City	Suburbs	Extended Suburbs	Total
6,334	8,872	2,096	17,302

(C) Research Centre :—

Two research centres have been started at Dadar Purification Plant and at Love Grove Pumping Station. Experiments are carried out for planting of Road-side trees suitable for Bombay's environmental condition. Besides, Cintronella grass plantation is carried out at Dharavi Purification Plant.

Nursery : During the year under report, sub-counter for the sale of plants were opened at—

(1) Bal Gandharva Open Air Theatre, (2) Tata Compound, (3) ' M ' Ward Office, (4) ' T ' Ward Office, (5) ' F/North ' Ward Office, (6) Bhandarwada Hill Reservoir, (7) Malbar Hill Reservoir from where public can buy plants at reasonable rates. Besides, free plants are also distributed at these centres.

Prize Competition : With a view to encourage the outdoor staff to maintain the gardens in clean and beautiful condition, prize competition has been arranged and the personnel, who are responsible for maintaining the garden which were declared, beautiful and clean suitably awarded. The Garden at Gateway of India, Dr. Ambedkar Udyan at Chembur, Acharya Udyan, Chembur, Nandadeep Garden at Kala Nagar, Bandra, Veermata Jijabai Bhosale Udyan, Byculla, bagged 1st prize and garden at Birla Krida Kendra, Ram Krishna Nagar Udyan, S.K. Patil Udyan, Sir P.M. Garden bagged 2nd prizes according to the area covered by them. This resulted in creating an atmosphere of spirit of coempetition amongst the outdoor staff.

Exhibition : With a view to involve the citizens and to educate them on flowers, fruits, plants, orchids etc. a flower show was arranged at Ghatkopar swimming pool in the Eastern Suburbs besides the one held at Veermata Jijabai Bhosale Udyan by the Friends of the Trees. Flower exhibits were highly appreciated by the suburbanites.

Training : A training centre for the malis etc. has been started where training in respect of flower beds techniques of trimming, pruning, propagation of plants in various fields is imparted to the mali and labour staff so as to enable them to carry out their work more efficiently and smoothly. About 90 malis have already been benefited by the training programme. The books on Botany, Horti culture, etc. in vernacular language were purchased and staff members are encouraged to read them so as to enable them to get acquainted with the latest development in propagation of plants, Gardening etc.

We successfully transplanted a number of trees which are coming in the alignment of the roads at Linking Road, S.V.P. Road, Appasaheb Marathe Marg, etc.

J. G. GARKHEL,
Superintendent of Gardens.

MUNICIPAL FREE READING ROOMS & LIBRARIES

There are 29 Municipal Free Reading Rooms and Libraries (including one Circulating Library.) Amongst them 24 are under the management of the Mumbai Marathi Granthsangrahalaya (18 in City, 3 in Suburbs and 3 in Extended Suburbs) and 5 under the management of the Municipal Corporation of Greater Bombay (4 in City and 1 in Suburbs). The Library at Lower Parel under the management of Mumbai Marathi Granthsangrahalaya which was closed from 1st February 1974 has been re-opened from 1st July 1978 in the newly constructed building.

Details of books purchased, number of visitors, Income and Expenditure etc.

Particulars	Division I		Division II		Division III	
	1976-77	1977-78	1976-77	1977-78	1976-77	1977-78
Books purchased	358	333	240	235	..	..
Cost of the books	Rs. 3,403	3,271	2,490	2,657	..	..
Number of visitors	97,511	71,633	14,531	20,372	..	..
Income	Rs. 12,302	13,414	2,997	3,055	2,160	2,160
Expenditure excluding grant paid to the M. M. Granthsangrahalaya	Rs. 1,20,224	1,02,584	16,723	23,076	1,536	4,576
Grant paid to the M. M. Granthsangrahalaya	Rs. 1,44,000	1,59,000	39,500	27,097	27,000	27,000

V. N. BARVE,
Chief Librarian &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 is renamed from 1st November 1975 as Dr. Bhau Daji Lad Museum, in his memory.

The exhibits in the Museum are classified in different sections such as Agriculture and Village Life, Armoury, Cottage Industries, Ethnology, Fine Arts, Fossils, Indian-Coins, Minerals, Miscellaneous collection, Old-Bombay Collection, Pre-History and Geology, and Religion and Mythology. A Coin-Cabinet contains Ancient Indian Coins. The Reference Library of the Museum contains books on Art, Archaeology, Old-Bombay, History etc. 18 Volumes containing specimens of Indian Textile are also made available for reference/perusal on request.

One Self-Printing Ticket-Machine with three units was purchased from the Central Railway by utilising the grant sanctioned by the President of India. On installation of the machine the system of issuing a Group-Ticket was introduced in order to save time of the visitors coming from the remote places. The final proof of the Guide to the Museum in Marathi was sent to the press.

The President of India sanctioned the grant of Rs. 10,000 for the purchase of equipment and for providing wall fans in the galleries.

As a part of the Museum-movement efforts were made to get the Museums in India exempted from the payment of Electricity-Duty. Such Exemption was granted to this museum by the Government of Maharashtra when approached, giving retrospective effect from 26th September 1974.

The facility of Public Telephone was provided in the premises. The Siren Division provided vibration absorbers to the siren installed on the Museum building. The practice of keeping sketches of improved display was introduced. In order to secure safety of the lives of the visitors the road-dividing line, which was removed was got restored.

The exhibits from Old-Bombay Section were loaned to the Heras Institute for holding a temporary exhibition on Old-Bombay.

The Museum was kept open to the public on 303 days during which period 7,50,783 persons visited the Museum. Rs. 46,161 were collected by way of admission fee, sale of guides and fees for taking photographs etc.

Rs. 1,19,270 have been spent on maintainance of the Museum, which includes es'ab'ishment cost also. Receipt and expenditure for the previous year were Rs. 41,877 and Rs. 1,05,175 respectively.

V. N. BARVE,
Ag. Curator,
Dr. Bhau Daji Lad Museum,
Byculla, Bombay.

MUNICIPAL SWIMMING POOLS

All the three Swimming Pools in Greater Bombay Limits were fully utilised during the year by the Swimmers in Greater Bombay. The regular membership and the casual visitors to the Pools were both on the increase. Growing number of students took advantage of the concessional rates. Free Swimming facilities were provided for the Blind persons by granting reservation of Pool for 2 hours in a week at Mahatma Gandhi Memorial Olympic Swimming Pool.

9 Junior Swimmers from M.G.M.O. participated in the Jr. National Aquatic Championship held in Trivendrum in May 1977. 11 Members of the M. G. M. O. Swimming Pool participated in the Open National Aquatic Championship held at Ahmedabad in October 1977.

Financial

Swimming Pool	Income	Expenditure
	Rs.	Rs.
(1) M. G. M. O. Swimming Pool	3,59,714	2,04,663
(2) S. V. P. Swimming Pool	1,24,545	1,39,691
(3) Ghatkopar Swimming Pool	1,77,396	1,95,232

Swimmers

Swimming Pool	N. w Admi-ssion	Casual Swimmers	School children	N. of Insti-tutions	Private Reservation
(1) M. G. M. O. Swimming Pool	8,206	55,382	2,949	12	109 Hours
(2) S. V. P. Swimming Pool	4,342	2,568	3,206	8	22 Hours
(3) Ghatkopar Swimming Pool	3,362	27,078	1,292	4	36 Hours

S. N. PINGE,

Manager,

M. G. M. O. Swimming Pool.

Raja Dr. Baldevdas Birla Kreedra Kendra

Raja Dr. Baldevdas Birla Kreedra Kendra has a multipurpose auditorium, fully air conditioned and equipped with normal electrical accessories viz, flood lights, spot lights, solar light, full set of Loud Speaker with six mikes etc, required for staging dramas or musical concerts. The auditorium with six has a seating capacity 625 pushback type chairs. The auditorium is rented to various organisations and individuals for staging dramas, musical entertainment, social functions, meetings etc. During the year under report, it was engaged for 533 sessions of four hours each, on payment of scheduled fees.

Children Hall and Boat House are also rented for drama rehearsals and meetings. During the year children hall was engaged for 295 sessions whereas the Boat House was engaged for 593 sessions on payment of moderate fees.

In addition, few more activities, such as film shows of documentaries, cartoons are also conducted for the benefit and entertainment of children, on week days. However, the attendance of Children now-a-days, is poor since introduction of T. V. in Bombay and as the toy-train is under repairs.

Municipal departments arranged their programmes at Birla Kreedra Kendra. These included

- One Act Play competitions of welfare centres of Labour Department.
- Inter-ward and Inter-Departmental Dramatic competition organised by Labour Department.
- Sports and Guide meetings of Education Department.
- Exhibition of articles made at Balbhavan Centres.
- Prize distribution functions of Education Department and Health Department.
- Mayor's Award and other functions arranged by Municipal Secretary, Public Relations Department and hospitals and Medical Colleges.
- Farewell functions in honour of staff.
- Gatherings and other functions of Municipal Medical Colleges and Hospitals.
- Main Lottery Draws by Government of Maharashtra.

Birla Kreedra Kendra has a First Grade Restaurant on its premises. It is open to the audience as well as to the public. Terrace, Garden is visited by the public for sight seeing. The garden is also rented for marriage receptions lunches and dinners. During the year, garden was booked for 261 sessions.

An amount of Rs. 2,06,527/- was collected by way of revenue and an amount of Rs. 1,78,817/- was expended on salary of staff and other items of maintenance.

V. V. KULKARNI,

Manager,

Birla Kreedra Kendra.