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ADMINISTRATION REPORT OF THE MUNICIPAL COMMISSIONER FOR GREATER BOMBAY

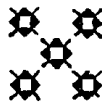


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**ADMINISTRATION REPORT OF
THE MUNICIPAL COMMISSIONER
FOR GREATER BOMBAY
1976-77**



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**ADMINISTRATION REPORT OF THE MUNICIPAL
COMMISSIONER FOR GREATER BOMBAY
FOR THE YEAR 1976-77**

THE Municipal Corporation of Greater Bombay being a service oriented organisation, is dedicated to promoting and enlarging specific need based 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 proportionately. Many administrative innovations are required to enforce an effective implementation of all planned programmes. This would throw up an additional responsibility for the administration which will have to be taken care of through a sound system of financial management. Of all the management processes, those of realistic planning, programming and budgeting 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 introduced in the administration to correlate the physical and financial aspects of every programme, project or activity. Management By Objectives which is one of the ventures towards achieving the organisation goals through enhancement of employee commitment and participation is being proposed in the Corporation. For highlighting the expenditure on the medical services, a separate health budget covering the activities under public Health and Medical Relief and Education has been formulated. A separate Air Pollution Prevention Cell has been created with a view to take long term measures to control and minimise the air pollution in Greater Bombay. To tackle the emergency accident cases immediately an integrated Central Ambulance Service is organised under the able guidance of the experts in the line.

To enable the administration to become more effective I am contemplating still further amendments to the Bombay Municipal Corporation Act.

A detailed report of the Municipal Administration of Greater Bombay as required under Section 124 of the Bombay Municipal Corporation Act is submitted herewith.

B. G. DESHMUKH,
*Municipal Commissioner
for Greater Bombay.*

17-11-1977

GENERAL

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

CORPORATION :

Shri M. G. Joshi who was elected Mayor at the First Meeting of the Corporation held on 5th April 1976, held that office throughout the year.

One hundred and forty-eight Meetings of the Corporation including ten Special Meetings and Adjourned Special Meetings and one hundred and nine Meetings of the Special Committees and eighteen meetings of the Consultative Committees were held during the year.

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

STANDING COMMITTEE :

Shri V. S. Mahadik was elected Chairman of the Standing Committee at their Meeting held on 9th April 1976 for the second time and resigned from that office from 29th December 1976. Smt. Lily A. Pandya was elected Chairman of the Standing Committee at their Meeting held on 29th December 1976 and held that Office during the remaining part of 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. H. Bedi, Shri D. S. Nalavde and Shri B. N. Shroff, resigned as members of the Committee each from 12th August 1976.
- (ii) Shri Jagdeep S. Mehta, Smt. Indumati T. Patel and Shri J. M. Patil were, respectively appointed each from 23rd August 1976 in the vacancies caused by the resignations of the abovementioned Members.
- (iii) Dr. S. R. Muzumdar resigned as a Member of the Committee from 26th August 1976 and Shri M. S. Deora was appointed from 6th September 1976 in that vacancy.
- (iv) Shri P. V. Harshe became an *ex-officio* member of the Standing Committee on his appointment as Chairman of the Education Committee from 14th May 1976 under Section 43(2) of the B. M. C. Act.

One hundred and twenty seven meetings including one hundred, nineteen regular and Adjourned Meetings and Eight Special Meetings including Adjourned Special Meetings were held during the year. Nineteen regular, adjourned meetings and sixteen special Adjourned Special Meetings were convened but not held. No Meeting of the Sub-Committee was held during the year.

IMPROVEMENTS COMMITTEE :

Shri N. P. Thakkar was elected Chairman of the Improvements Committee at their Meeting held on 25th May 1976 for the second time and resigned as the Chairman as well as the Member of the Committee from 12th August 1976.

Shri R. K. Chimbalkar was elected Chairman of the Improvements Committee at their meeting held on 28th September 1976 and held that office during the remaining part of the year 1976-77.

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

- (i) Shri M. G. Joshi resigned as a member of the Improvements Committee from 19-4-1976.
- (ii) Shri B. R. Patil was appointed a member from 21-5-1976 vice Shri M. G. Joshi resigned.
- (iii) Smt. Alka A. Desai was appointed from 21-5-1976 vice Shri H. P. Padval declared disqualified as councillor, on 26th February 1976.

- (iv) Shri N. P. Thakkar, Smt. Alka A. Desai and Shri T. G. Solanki resigned as members of the Committee each from 12th August 1976.
- (v) Shri R. P. Laud, Shri M. V. Bane and Shri R. K. Chimbalkar were appointed from 23rd August, 29th August and 6th September 1976, respectively, in the vacancies caused by the resignations of the abovementioned members.

Forty nine Meetings including forty-six regular and Adjourned Meetings and three Special Meetings including Adjourned Special Meetings were held during the year. Two Meetings were convened but were not held. No Meeting of the Sub-Committee was held during the year.

EDUCATION COMMITTEE :

Shri P. V. Harshe was elected Chairman of the Education Committee at their Meeting held on 14th May 1976 and he held that office throughout the year.

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

- (i) Shri S. K. Malkar resigned as a member of the Committee from 14th August 1976 and re-elected from 23rd August 1976.
- (ii) Shri V. G. Gaonkar and Dr. R. Y. Prabhoo resigned as members of the Committee from 14th August and 2nd September 1976, respectively.
- (iii) Smt. Alka A. Desai and Shri M. C. Parekh were appointed as members of the Committee from 23rd August and 16th September 1976, respectively, in the vacancies caused by the resignation of the above mentioned members.

Thirty five Meetings including twenty five regular Meetings and Adjourned Meetings and 10 Special Meetings including adjourned Meetings were held during the year. One Meeting of the Sub-Committee was held during the year.

Two Regular Adjourned Meetings were convened but not held.

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 1450, 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.

9 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 leave period for 33 days from 22-11-76 to 24-12-76. Shri K. N. Kolhatkar, B. A. (Hons) was appointed as Ag. Municipal Secretary during the leave period of Shri Konkar.

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

There was no separate award or adjudication during the year 1976-77 so far as this department is concerned.

**LIST OF MEMBERS WHO HELD OFFICE ON 31ST MARCH 1977
CORPORATION**

SHRI M. G. JOSHI, *Mayor,*

SMT. LILY A. PANDYA, *Chairman, Standing Committee.*

SHRI R. K. CHIMBULKAR, *Chairman, Improvements Committee.*

SHRI P. Y. HARSHE, *Chairman, Education Committee.*

SHRI K. G. JILANI, *Chairman, B. E. S. & T. Committee.*

ADVANI, SHRI H. P.
ANSARI, SHRI N. M.
AHMEDJI, SHRI M. G.
ACHARYA, SHRI S. N.
AMRE, SHRI S. S.
AVALE, SHRI P. V.
OOMMACHEN, SHRI C. D.
ANKLESHWARIA, SHRI R. C.
KADAM, SHRI P. R.
KADAM, SHRI H. S.
KANGUTKAR, SHRI P. R.
KARGISTEKAR, SHRI B. S.
KAVATHE, SHRI M. N.
KARIRA, SHRI T. K.
QURESHI, SHRI A. J.
KENT, SHRI R. M.
KENIA, SHRI N. K.
KOPARDE, SHRI E. R.
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.
CHAVAN, SHRI R. N.
CHAVAN, SHRI S. S.
CHAVAN, SHRI S. B.
CHUGTAI, SHRI Z. H.
CHORWADWALLA, PROF. A. E.
CHOUGULE, DR. (SMT.) SHALINI K.
JOSHI, SHRI S. G.
ZAKARIA, SHRI AHMED B.
ZUTE, SHRI B. D.
TANNA, SHRI J. M.
THAKKAR, SHRI N. P.
THAKARE, SHRI G. S.
THANBKAR, SHRI K. B.
D'CRUZ, SHRI C. R.
D'MELLO, SHRI V. C.
TIRANDAZ, SHRI R. S.
TORASKAR, DR. (SMT.) ASHALATA V.
DADIA, SHRI U. D.
DANAIT, SHRI S. V.
DANNU, SHRI MOHAMMED YASIN.
DABHOLKAR, SHRI A. K.
DARWATKAR, SHRI B. S.
DIWAN, SHRI J. A.
DUTIA, SHRI G. B.
DUBE, SHRI RAMESHKUMAR M.
DUBHASHI, SHRI A. B.
DEORA, SHRI M. S.
DESAI, SMT. ALKA A.
DESAI, SMT. KAMAL V.
DESAI, SHRI B. A.
DHARAP, SHRI V. G.
NABAB, SHRI S.
NAGVEKAR, SHRI Y. S.
NALAVADE, SHRI D. S.
NAIK, SHRI M. R.
NIKLANKAR, SHRI P. D.
NEVAREKAR, SHRI K. R.
PATEL, SMT. INDUMATI T.
PADWAL, SHRI C. S.
PADWAL, SHRI R. V.
PARAB, SHRI V. G.
PARMAR, SHRI N. D.

PARIHAR, SMT. PARVATI L.
PAWAR, SHRI NAGESH B.
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.
PEDNEKAR, DR. M. D.
PAI, DR. P. S.
PRABHOO, DR. R. Y.
FITRAT (TUNGEKAR), SHRI M. I.
BANE, SHRI MANOHAR V.
BEDI, SHRI M. H.
BOMAN-BEHRAM, B. K.
BRAHMBHATT, SHRI D. B.
BHAVE, SHRI M. G.
BHUJBAL, SHRI C. C.
BHUGRA, SHRI HANS R.
BHOSALE, SHRI D. M.
MAHADIK, SHRI V. S.
MAYEKAR, SHRI R. S.
MALIKAR, SHRI S. K.
MUZUMDAR, DR. SAURABH R.
MENON, SHRI C. B.
MEHTA, SHRI C. S.
MEHTA, SHRI KISAN G.
MEHTA, SMT. JAYWANTIBEN N.
MEHTA, SHRI J. S.
MEHTA, SHRI N. D.
MEHTA, SHRI RUSI M.
MODI, SHRI S. A.
MHATRE, SHRI P. A.
RAGINWAR, SHRI R. W.
RAWOOL, SHRI N. G.
RAJDA, SHRI RATANSINH G.
RAJPURKAR, SHRI K. K.
RANGNEKAR, SMT. AHILYA P.
LABDE, SHRI R. S.
LAUD, SHRI R. P.
VARTAK, SHRI G. D.
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.
SHETE, SHRI B. H.
SHETTY, SHRI K. D.
SHELAR, SHRI B. S.
SHROFF, SHRI B. N.
SHRINGI, DR. VASUDEO G.
SATAM, SHRI A. G.
SATAM, SHRI G. D.
SAMANT, SHRI J. R.
SAMANT, SMT. VINITA D.
SAMANT, SHRI M. M.
SINGH, SHRI R. T.
SINGH, SHRI R. R.
SEHGAL, SHRI P. H.
SOLANKI, SHRI T. G.
HULAVALE, SHRI R. D.

**LIST OF THE MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE ON
31ST MARCH 1977.**

SMT. LILY A. PANDYA, (*Chairman*).

ADVANI, SHRI H. P.
DEORA, SHRI M. S.
DHARAP, SHRI V. G.
DIWAN, SHRI J. A.
HARSHE, SHRI P. V.
JOSHI, SHRI S. G.
KOHLI, SHRI S. J.
MAHADIK, SHRI V. S.

MEHTA, SHRI JAGDEEP S.
PAREKH, SHRI J. G.
PATEL, SMT. INDUMATI T.
PATIL, SHRI A. W.
PATIL, SHRI J. M.
RAJDA, SHRI R. G.
SAWANT, SHRI M. M.
ZUTE, SHRI B. D.

Shri Gopinath Sitaram Chavan expired on 10th October 1973 and Shri Srirang 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 IMPROVEMENTS COMMITTEE WHO HELD OFFICE
ON 31ST MARCH 1977.

SHRI R. K. CHIMBULKAR, (*Chairman*).

BANE, SHRI M. V.
CHAVAN, SHRI N. S.
CHAVAN, SHRI S. B.
D'MELLO, SHRI V. C.
KADAM, SHRI P. R.
LAUD, SHRI R. P.
NIKLANKAR, SHRI P. D.
PADWAL, SHRI C. S.

PADWAL, SHRI R. V.
PATIL, SHRI B. R.
QURESHI, SHRI A. J.
THANEKAR, SHRI K. B.
TIRANDAZ, SHRI R. S.
TORASKAR, DR. (SMT.) AHSALATA V.
ZAKARIA, SHRI A. B.

LIST OF THE MEMBERS OF THE EDUCATION COMMITTEE WHO HELD OFFICE
ON 31ST MARCH 1977.

SHRI P. V. HARSHE, (*Chairman*).

ANKLESWARIA, SHRI R. C.
AVALE, SHRI P. V.
DESAI, SMT. ALKA A.
DUTIA, SHRI G. B.
FITRAT, SHRI M. I.
LOCHANSINGH, SHRI MANINDERSINGH.*
MALKAR, SHRI S. K.
NADKARNI, SMT. VATSALABAI M.*

NERLEKAR, SHRI C. G.*
PAREKH, SHRI M. C.
SATAM, SHRI A. G.
SATAM SHRI G. D.
SHAH SHRI N. M.
TANNA SHRI J. M.
VARDE SHRI S. S.*

LIST OF THE MEMBERS OF THE TREE AUTHORITY WHO HELD OFFICE AS ON
31ST MARCH 1977.

SHRI M. G. JOSHI, (*Chairman*).

QURESHI, SHRI A. J., B.A.
KENI, SHRI R. M.
GHADGE, SHRI J. P.
DABHOLKAR, SHRI A. K., B.SC. B. G. L.
DEORAS, DR. P. J. †
DUTIA, SHRI G. B.
NAWAB, SHRI SHAMSUDDIN.
PARIHAR, SMT. PARVATI L.
PAWAR, SHRI N. B., B.A., LL.B.

BOMAN-BEHRAM, SHRI B. K., M.A., LL.B.
BHAVE, SHRI M. G.
BHAT, SHRI S. V. †
MEHTA, SHRI K. G., B.A. (Hons). LL.B.
THAKARE, SHRI G. S. (*ex-officio*)
SHAH, SHRI N. M.
SHIKARI, SHRI F. K.
SAMPAT, SHRI SUBHASH V. †

* Non-Councillor member.

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

MUNICIPAL COMMISSIONER'S OFFICE

The designations and names of the Officers holding the post of M. C., D. M. C. & M. C. A. together with the period for which the posts were held by each of them are given below:—

Designation	Name of the Officer	Period		Remarks
		From	To	
1	2	3	4	5
Municipal Commissioner	Shri B. G. Deshmukh, B.Sc. (Hon.) M.A. (Development Economics) (U. S. A.) I. A. S.	1-4-76	31-3-77	On deputation to Washington for negotiation with the World Bank Authorities & Town Planning for Bombay Urban Transport Project and for studying Urban Problems Rules & Civic Taxation etc.
Dy. Municipal Commissioner (Personnel)	Shri R. G. Gulgule B. COM.	1-4-76	30-9-76	Superannuated from 1st October 1976.
	Shri V. D. Vaidya B.A. (Spl.) M. COM.	4-6-76	3-7-76	vice Shri R. G. Gulgule on leave.
Dy. Municipal Commissioner (Zone-I)	Shri P. P. Kamdar B.A. (Spl.) with Economics, LL.B. IInd Class, B. COM.	1-4-76	31-3-77	...
	Shri K. J. Gidwani B.E. (Civil)	21-2-77	31-3-77	vice Shri G. A. Prabhuchimulkar appointed as D. M. C. (Z-V).
Dy. Municipal Commissioner (Zone-III)	Shri V. C. Parikh, B. COM. IInd Class Associate Cft. of the Indian Institute of Banking.	1-4-76	31-3-77	As D. M. C. Z-III & Z-IV from 14-10-76 to 2-2-77. vice Shri S. R. Rane appointed as D. M. C. (Improvement).
Dy. Municipal Commissioner (Zone-IV)	Shri S. R. Rane B.E. (Mech. and Elec.) completed the post graduate course Mattaargu Possesses com- petance certificate of P. W. D. (Bombay).	1-4-76	13-10-76	Commuted leave from 5-1-76 to 3-3-1976. Eaten of E. L. from 4-3-1976 to 2-4-1976. Resumed duty as D. M. C. (Z-IV) from 3-4-1976. (forenoon) Appointed as D. M. C. (Improvement) vice Shri V. H. Gurnaste retired from 1-8-1976.
	Shri S. H. Mhatre B.E. (Civil) A. M. I. E.	3-2-77	31-3-77	Appointed as D. M. C. (Z-IV) vice Shri S. R. Rane appointed as D. M. C. (Improvement) from 3-2-1977.
Dy. Municipal Commissioner (Z-V)	Shri M. S. Dikshit B.A. (Hons.)	1-4-76	30-6-76	Superannuated from 1st July 1976.
	Shri V. D. Vaidya B.A. (Spl.) M. COM.	4-5-76	30-9-76	D. M. C. (Conservancy) from 4-7-76 to 30-9-76. Further appointment as D. M. C. (P) from 1-10-1976.
	Shri G. A. Prabhuchimulkar B.E. (Civil) IInd class, A.M.I.E.	21-2-77	31-3-77	...
Dy. Municipal Commissioner (Zone-I) (Spl.—Engineering.)	Shri V. D. Desai, B.E. (Civil) M.E. (P. H.) Calcutta with 1st class A.M.I.E. (India).	1-4-76	31-3-77	on Earned leave from 28-2-77 to 17-4-1977.
	Shri K. D. Malakar B.E. (Civil) IInd class (Hons.) M.E. (P. H.) Calcutta 1st class.	28-2-77	31-3-77	Appointed as D. M. C. (Spl. Eng.) from 28-2-77. vice Shri V. D. Desai on leave.
Dy. Municipal Commissioner (Improvement)	Shri V. H. Gurnaste B.E. (Civil)	1-4-76	31-7-76	Superannuated from 1-8-1976.
	Shri V. D. Vaidya B.A. (Spl.) M. COM.	5-5-76	3-8-76	Appointed vice Shri V. H. Gurnaste on leave.
	Shri S. R. Rane B.E. (Mech. & Elec.) completed the post graduate course Mattaargu Possesses competence certificate of P. W. D. (Bombay).	14-10-76	31-3-77	...
Dy. Municipal Commissioner (Engineering)	Shri J. R. Patwardhar B.E. (Civil) M.E. (P.H.) A. M. I. E.	8-3-77	31-3-77	...

Municipal Chief Auditor.

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

Other Heads of Departments (City)

Serial No.	Designation	Name of the Officer	Period	Remarks
1	City Engineer	... Shri J. R. Patwardhan, B.E. Civil, M.E. (P.H.) A.M.I.E.	1-4-1976 to 5-4-1976 2-7-1976 to 7-3-1977	
		Shri N. L. Patel, B.E. (Civil), M.I.E.	6-4-1976 to 1-7-1976	
		Shri T. K. Sontoke B.E. (Civil).	from 8-3-1977 onwards.	
2	Chief Accountant	... Shri M. V. Kanekar, B. Com., F.C.A.	1-4-1976 to 9-6-1976 10-7-1976 to 31-3-1977	
		Shri M. M. Kashbekar B.A. Spl. 1st LL.B.	10-6-1976 to 9-7-1976	C.A. I/c.
2A	Joint Chief Accountant	Shri V. D. Vaidya, B.A.(Spl.), M.Com.,	1-4-1976 to 4-5-1976	
		Shri M. M. Kashbekar, B.A. (Hons.), 1st LL.B.	16-7-1976 to 30-9-1976	Jt. C.A. I/c.
		Shri M. N. Kulkarni, B.Sc. 1st Class with distinction, B.A. (Hons.) 1st class, Hindi Exam. of Munl. Hindi Board.	14-10-1976 onwards	Jt. C.A./I/c.
3	Hydraulic Engineer	... Shri K. D. Mulekar, B.E. (Civil) IInd class. M.E. (P.H.) 1st class.	1-4-1976 to 11-8-1976 1-2-1977 to 7-3-1977	
		Shri T. K. Sontoke	12-8-1976 to 31-1-1977	
		Shri H. N. Chavan, B.E. Civil.	8-3-1977 to 31-3-1977	
4	Ex. 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.M.R.C.P. (London).		Do.
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. and L.T.M.M. College	Dr. V. M. Panse, M.D. M.P.H. (Columbia)		Throughout the year
8	Dean, Nair Hosp. Dental College.	Dr. L. G. Shirwatkar, M.D.S.	1-4-1976 to 20-10-1976	
		Dr. S. T. Talim, M.D.S.	21-10-1976 to 31-3-1977	
9	Chief Fire Officer	... Shri A. S. Kulkarni,		Throughout the year
10	Medical Supdt. G.T.B Hospital.	Dr. A. P. Rao, M.D. T.D.D. F.C.C.P. (USA)		Do.
11	Assessor and Collector	Shri R. G. Rale, B. Sc.,		Throughout the year.
12	Education Officer	... Shri P. D. Haldankar, B.Sc. (Hons.), B.T. Dip. Ed. M.Ed.	1-4-1976 to 30-9-1976	
		Smt. K. N. Kamat, M.A., M.Ed.	1-10-1976 onwards.	
13	Law Officer	... Shri S. N. Phadke, B.A., LL.B.		Throughout the year.

Serial No.	Designation	Name of the Officer	Period	Remarks
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 B. S. Dandekar, B.E. (Civil).	1-4-1976 to 30-11-1976	
		C. H. Khubchandani B.E. (Civil), M.I.E.(India).	1-12-1976 to 31-3-1977	
16	Supdt. of Markets and Slaughter Houses.	Vacant.		Throughout the year.
16A	General Manager Deonar Abattoir.	Shri D. M. Bailur, B.Sc. (Vet.),M.R.C.V.S. (London).		Do.
16B	Ward Officer (Markets)	Shri D. V. Paranjpe, D. Com., L.S.G.D.	1-4-1976 to 15-8-1976	
		Shri S. V. Gambhir A.M.I.E.	16-8-1976 to 31-3-1977	
17	Administrative Officer (Enquiries) I/c.	Shri K. R. Dixit, B.A., L.S.G.D., L.G.S.	1-4-1976 to 16-8-1976	
		Post Vacant.	17-8-1976 onwards.	
17A	Vigilance Officer on Deputation.	Shri M. S. Dusane,	17-8-1976 onwards.	
18	Security Officer	Shri G. H. Salunkhe B.A. Spl.		Thoroughout the year.
19	Ward Officer (Estates)	Shri N. N. Lalit, B.A. (Hons).		Throughout the year.
20	Labour Officer	Shri G. S. Saudagar, B.A.(Hons.) LL.B. D.L.W.	1-4-1976 to 5-10-1976. 5-11-76 to 31-3-1977.	
		Shri G. S. Shringarpure, B.A. (Hons.), LL.B., L.S.G.D.	6-10-1976 to 4-11-1976	L.O. I/c.
21	Public Relations Officer and Editor, Bombay Civic Journal.	Shri K. T. Pandit, M. A.,		Throughout the year.
22	Dy. Assessor and Collector (Octroi).	Shri S. S. Murkute, B.Com., LL.B., L.S.G.D.	1-4-1976 to 15-8-1976 1-10-1976 to 31-3-1977	
		Shri N. S. Choubal, B.Sc.	16-8-1976 to 30-9-1976	
23	Supdt. of Licences I/c.	Shri J. H. Pimenta, Shri H. H. Doshi Shri D. N. More, B.A., LLB., L.G.S.,	1-4-1976 to 30-11-1976 1-12-1976 to 9-1-1977 10-1-1977 onwards.	
24	Supdt. of Gardens	Shri J. C. Garkhel, B.Sc.(Hons.), (Agri.),		Do.
25	Research Officer.	Shri V. Y. Pendharkar, B.Sc., B.T.M.Ed. Pravin, P.R.D.	1-4-1976 to 30-9-1976	
		Smt. S. V. Desai, B.A. (Hons.), B.T.M.Ed., M.A. (London).	1-10-1976 onwards.	

Serial No.	Designation	Name of the Officer	Period	Remarks
26	Manager, Municipal Printing Press.	Shri Madhukar M. Kamath		Throughout the year.
27	Asstt. Medical Officer (E.N.T. Hospital).	Dr. (Smt.) S. C. Basrur, M.B.B.S., D.G.O.,		Do.
28	Organization and Methods Officer I/c.	Shri M. P. Patil, M.A. (Bombay), L.S.G.D.Pravin.		Do.
29	Curator Dr. Bhau Daji Lad Museum and Chief Librarian I/c.	Shri V. N. Barve, B.A., (Hon.) L.S.G.D.		Do.
30	Manager, Mahatma Gandhi Memorial Olymic Swimming Pool.	Shri S. N. Pinge.		Throughout the year.
31	Manager, Raja Baldeodas Birla Kreed Kendra.	Shri G. N. Jambhekar,	1-4-1976 to 7-4-1976	
		Shri S. G. Agashe, B.A., L.S.G.D.	8-4-1976 to 20-7-1976	
		Shri V. V. Kulkarni	21-7-1976 to 4-10-1976	
		Shri S. G. Agashe	5-10-1976 to 2-12-1976	
		Shri V. V. Kulkarni	3-12-1976 onwards.	
Suburbs and Extended Suburbs				
1	Dy. Ex. Health Officer (Subs.)	Dr. M. N. Gurnani, M.B.B.S., D.P.H.		Throughout the year.
2	Dy. Accountant (Sub.)	Shri M. N. Kulkarni, B.Sc. 1st Class with Distinction, B.A. (Hons.) 1st class, Higher Standard Hindi Exam. of Municipal Hindi Board.	1-4-1976 to 18-5-1976 18-6-1976 to 15-10-1976	
		Shri S. V. Dogare, B.A.(Hons.).	19-5-1976 to 17-6-1976	
		Shri R. B. Desai, B. Com. 2nd class with Advanced Accounts and Audit, B.A. (Special), L.S.G.D (1st), Hindi Pravin (1st class)	16-10-1976 to 26-1-1977 26-2-1977 onwards	
		Shri S. K. Bhadbhade, B.A.	27-1-1977 to 25-2-1977	D. A. i/c
3	Dy. Assessor and Collector. (Western Subs.)	Shri G.P. Parulkar, M.A., B.Sc., L.S.G.D.,		Throughout the year.
3A	Dy. Assessor and Collector (Eastern Subs.)	Shri S. G. Phatak, B.A. (Hons.).		Do.
4	Asstt. Supdt. of Markets. (Eastern Sub.)	Shri M. L. Naik	1-4-1976 to 30-4-1976	
		Shri N. V. Prabhu	1-5-1976 to 5-1-1977	
		Shri I. K. Ansari	6-1-1977 to 8-2-1977	
		Shri N. P. Prabhu	9-2-1977 to 31-3-1977	
5	Asstt. of Supdt. of Markets. (Western Subs.)	Shri N. V. Prabhu	1-4-1976 to 30-4-1976	
		Shri M. L. Naik	1-5-1976 to 31-3-1977	

6

WARD OFFICERS

Sr. No.	Name	Designation
1	Shri G. R. Khairnar.	W. O. 'A' Ward.
2	Shri J. V. Nadkarni.	W. O. 'B' Ward.
3	Shri S. G. Gavankar.	W. O. 'C' Ward.
4	Shri G. Gomes.	Sr. W. O. D' Ward.
5	Shri A. D. Doctor.	W. O. 'E' Ward.
6	Smt. K. S. Kadam.	W. O. F/N Ward.
7	Shri V. G. Godambe.	W. O. F/S Ward.
8	Shri K. U. Mehta.	W. O. G/N Ward.
9	Shri C. V. Bhat.	W. O. G/S Ward.
10	Shri R. B. Shirkolkar.	W. O. H/E Ward.
11	Shri S. M. Taraporewalla.	Sr. W. O. H/W Ward.
12	Shri Y. A. Nadkar.	W. O. K/E Ward.
13	Shri M. P. Nerkar.	W. O. K/W Ward.
14	Shri H. M. Chachad.	W. O. 'L' Ward.
15	Shri N. G. Kabe.	W. O. 'M' Ward.
16	Shri S. V. Gambhir.	W. O. 'N' Ward.
17	Shri S. C. Malgaonkar.	W. O. 'P' Ward.
18	Shri R. D. Jaisinghani.	W. O. 'R' Ward.
19	Shri R. R. Desai.	W. O. 'T' Ward.
20	Shri D. A. Pinto.	W. O. M. C.'s Office.
21	Shri N. B. Nirgudkar.	W. O. (Slum).
22	Shri A. A. Raisinghani.	W. O. (Slum).
23	Dr. K. K. Soman.	Sr. W. O. (K.E.M. Hospital).
24	Shri S. R. Dange.	W. O. (Nair Hospital).
25	Dr. (Smt.) M. V. Nerurkar.	W. O. (L.T.M.G. Hospital).

WARD OFFICES

With a view to render efficient Civic Services to the Citizens numbering over 71 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 rents of Municipal Estates;
- (c) Regulation of licensable commodities and enforcement of shops and Establishment Act;
- (d) Registration of Births and Deaths, vaccination, maintenance of dispensaries and maternity homes and other Public Health Services;
- (e) Pest control;
- (f) Public sanitation and disposal of refuse;
- (g) Primary Education;
- (h) Maintaining sanitation and improvement of Slum Colonies; and
- (i) Preservation of Trees etc.

Central Control Room

The Complaints Section dealt with 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 11,131 as against 10,597 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.

Organisation and Methods Division

Organization & 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) Method study, (5) Scrutiny of proposals from some Municipal departments, (6) Scrutiny of furniture proposals, (7) Submission of consolidated weekly reports to the Municipal Commissioner, (8) Spread of Marathi language in Municipal administration, (9) Compilation of important M. C.s circulars in a booklet form, (10) Examination of suggestions received from staff for improvements in administration, (11) Examination of office procedures, methods, etc. and suggesting improvements so as to cope up the administration, (12) Inspection of various Municipal Offices prior to M. C.'s visit.

The following training classes were also conducted :

- (1) In-service Training Classes.
- (2) Marathi training classes for non-Marathi employees.

The Organisation & Method Officer serves as a member of the panel for recruitment to clerical cadre and below.

M. P. PATIL,
Organization and Methods Officer.

PUBLIC RELATIONS AND CIVIC JOURNAL.

The department effected publicity about the various activities and services rendered by different Municipal departments and worked as a Liaison between the members of the public and various civic departments and also 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 Municipal Head Office buildings continued to give necessary guidance and information to the public, besides effecting the sale of civic publications.

The Civic Diary 1977 containing useful information on civic affairs was brought out in a different form and attractive get-up in English, Marathi and Gujarati. Other publications included "Know Your Ward" and the list of Municipal Officers and Councillors. Special handouts containing "Do's and Don'ts for Keeping the City Clean" were printed and widely distributed during the Cleaner Bombay Campaign organised in different Wards all over Greater Bombay.

Press Relations : A Press Room equipped with lockers has been provided and maintained for the use of the reporters. During the year, 5 Press trips to Municipal Institutions/ Installations and 50 Press Conferences were arranged for dissemination of information relating to Civic Services and activities etc. Press notes giving information about various civic matters and rejoinders in reply to complaints, suggestions received from the public were also issued promptly.

Special Activities : (1) The Department participated in the observance of the World Health Day, National Cleanliness Day, World Leprosy Day, Social Education Week, Sharad Utsav, Family Planning Campaign, Grow More Trees Campaign, Fire Services, Day, Republic Day, Independence Day, Cleaner Bombay Campaign, Flag Day, Prohibition week etc., and also in various Health Drives and Exhibitions organised by Social Welfare Organisations.

(2) A photographic display on some of the important civic Services such as (a) Cleaner Bombay Campaign, (b) Civic Tree Plantation Drive, (c) Slums Improvement Programme, (d) Family Welfare and (e) Primary Education, was put up at the Coomarswamy Hall, Prince of Wales Museum where an exhibition entitled "Year of Fulfilment" was organised by the Government of Maharashtra. A similar display was also organised subsequently at the Jahangir Art Gallery.

(3) "Clean Bombay—Green Bombay" campaign was undertaken on an intensive scale and sustained educative propaganda was carried out through various media such as distribution of printed posters, leaflets etc., announcements from mobile publicity vans, All India Radio and T. V. Programmes, issue of handouts for press publicity screening of films and cinema slides.

(4) A publicity Campaign was also undertaken for educating and informing the public about the various remedial measures undertaken for the abatement of monsoon flooding and for enlisting the co-operation of the public in making this project a success.

(5) Other programmes and activities for which special publicity was undertaken included (a) "Modern Method for T. B. Control" adopted by the civic authorities, (b) Language Development Project undertaken by the Education Department with the help of Ford Foundation, (c) Distribution of Free Text Books to Poor Children in Municipal Schools etc.

(6) The work of collecting donations for the National Flag Day was also carried out.

CIVIC JOURNAL

This Magazine is published through the Public Relations Department and serves as an important medium for dissemination of information to the Municipal Staff as well as the enlightened citizens regarding the various civic services rendered and the projects undertaken for the benefit of the citizens of this city. The issue of the journal contained the articles on the following important Civil Programmes and projects during the year under report.

- (1) Measures for abatement of flooding during the monsoon.
- (2) Intensification of Clean Bombay Campaign.
- (3) Tree Plantation Drive.
- (4) Clean Bombay—Green Bombay Competition.
- (5) Golden Jubilee of B.E.S. & T. Undertaking.
- (6) Bombay Urban Transport Project.
- (7) Silver Jubilee of the Municipal Co-operative Bank.
- (8) Adoption of Modern Methods in T. B. Treatment.
- (9) All India Municipal Sports Meet at Delhi.
- (10) Reception to the Centenarians by the Mayor.
- (11) Slum Census on Private lands.
- (12) Appointment of Air Pollution Committee by the Mayor.
- (13) Language Development Project.

The Publicity through the Journal was aimed at enlisting better public involvement in the civic programmes and projects. The magazine has remained popular with the Municipal staff and the citizens.

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. He is assisted by 3 Asstt. Engineers, 2 Sub-Engineers and other administrative staff.

The 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 referred to by the Municipal Commissioner. The unit also investigates into the complaints of technical nature received from the public.

The Unit carries out sample checking of the final bills of some of the Municipal works. It also checks a few building proposal cases after the acceptance of the Building Completion Certificate in order to ascertain that the disposals are in order. It also keeps a watch on the results obtained at the Material Testing Laboratory. Whenever necessary, the Unit suggests hammer tests and load tests on construction works.

Some of the details of the work done during the year 1976-77 are as follows :

(1) Number of visits paid on Municipal Works :—	
(a) Building Construction Works	147
(b) Road Construction Works	163
(c) Drainage Construction Works	38
(d) P. W. C. Works	1029
(2) Number of final bills checked	78
(3) Number of miscellaneous visits	391
(4) Number of building proposals scrutinised by the staff	440
(5) Number of cases investigated and examined referred by the M. C. D., M. Cs., C. E. etc.	903
(6) Amounts recovered from the Civil Contractors by way of detection of excess payments, penalties imposed on sub-standard work, recovery of rebates for incomplete works etc.	27,995

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

LABOUR DEPARTMENT

High Lights :

(1) Expenditure—		Rs.
(i) Establishment	...	2,83,224
(ii) Other than Establishment	...	1,14,431
(2) Recognised Unions	...	33
(3) Joint Councils	...	9
(4) Grievances attended	...	27,086
(5) Average daily attendance at Welfare Centres—		
(i) Adults	...	3,000
(ii) Children	...	3,050

Trade Unions : Trade Union activities among Labour and other staff were mostly confined to 33 Unions recognised by the Municipal Commissioner as per rules and covered about 40,000 members.

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

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

(2) **Grievance Procedure :** A four stage grievance procedure continued to redress the grievances of the employees in all the Departments. The grievance Committees consists of the representatives of the Labour and the management which investigate the grievances of the employees.

(3) **Individual Grievances** received from the employees and Unions and their disposal is as under :—

Sr. No.	Nature of Cases.	Total		Grievances redressed		Not genuine		Pending cases	
		City	Sub.	City	Sub.	City	Sub.	City	Sub.
1.	Recruitment and re-employment etc.	3084	2004	2695	2000	364	5	25	2
2.	Promotion, Transfer confirmation and annual increments	1120	400	1023	394	90	2	7	4
3.	Fines, Reversions, suspensions, Dismissals & other punishments...	862	27	791	26	65	1	6	...
4.	Delay in payment of wages (Wages leave) and allowance	875	196	721	196	43	...	11	2
5.	Delay in settlement of Provident Fund and other retirement benefits	725	550	677	543	40	5	8	2
6.	Non supply of equipments and uniforms;	502	40	482	37	14	3	6	...
7.	Delay in sanctioning leave due	1091	110	1078	105	8	...	5	5
8.	House rent, accommodation and transfer of quarters	1213	155	1195	152	12	2	6	1
9.	Miscellaneous	5046	2495	5001	2475	40	5	5	15
10.	Departmental references etc.	4591	1995	4591	1985	...	...	...	10
TOTAL		19109	7977	18354	7913	676	23	79	41

Disputes : 12 Disputes were referred to the Government Labour Officer, the Assistant Commissioner of Labour and the Conciliation Officer during the period (see Appendix 'A').

Scholarship to the Children of Municipal employees : During the year 651 applications for scholarships were received and 440 Scholarship were granted to the applicants for Higher Education and 211 for Secondary Educations. The total amount paid by way of Scholarships to the Municipal employees was Rs. 78,660.

Medical Assistance Scheme to Municipal employees : Under the above scheme, 96 deserving employees Sufferin from T. B. and other diseases were given medical assistance amounting to Rs. 10,327/—

Inter Ward and Inter Departmental Dramatic Competition : 18 Departments participated in the Inter Ward and Inter Departmental Dramatic Competitions held at the BirlaKreeda 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 Directors and the Best Art Director and 34 consolation prizes of Rs. 51 each were awarded for acting.

Welfare Branch :

(i) **Inter Centre Tournaments and Competitions :** Volley Ball, Carrom, Kabaddi, Table Tennis, Best Physique, and Elocution Tournaments and competitions were held during the year. The Boxing Tournaments was newly started from last year. Prizes and Certificates were given to the winners.

(ii) **Inter Centre Folk Dance Competitions :** This Competition was held at the Open Air Theatre at 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 1976. Trophies were awarded to the first three dramas and prizes were given to the Best Directors, Best Actor and Best Actress. 16 consolation prizes were also given to give encouragement to the artists.

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

(v) **Daily Attendance :** The average daily attendance of adult and children at the different welfare centres during the year was 3000 adults and 3050 children as against 2,770 adults and 3010 children in the previous Year.

(vi) **Excursion for Nursing Staff :** The excursion for the Nursing staff was organised in the month of March 1977 to Madras, Kodai Canal, Pondichari, Madurai. 42 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) **Nurseries :** Three Nurseries are conducted at Welfare Centres at Bapty Road, Palton Road and Colaba. Nearly 120 children of the the Municipal employees took advantage of the same.

(ix) **Different functions :** Combined Ganpati Festival was organised. The cultural items, competitions etc., were held during the festival and Prizes were 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 Fabrications of petty-coats 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 :** Television sets provided to 10 Welfare Centres under the contributory Community T. V. Scheme through the Director of Rural Broadcasting, Government of Maharashtra Worked satisfactorily for the benefit of the Municipal employees.

(xii) **Scouting and Guiding :** The total strength of the Scout and Guide Section was 2493. The Organisation rendered services by maintaining Law and Order at the time of several celebrations.

G. S. SAUDAGAR,
Labour Officer.

APPENDIX 'A'

Disputes Referred to the Government Labour Officers.

Serial No.	Name of the Union.	Department concerned.	Categories attached.	Referred to.	Nature of Dispute.
1	Municipal Mazdoor Union.	S. O.	Security Guard.	Conciliation Officer.	Application for reinstatement of Shri Kanta Genba Gade.
2	Do.	Do.	Do.	Do.	Application for reinstatement of Shri Jadhav.
3	Do.	Do.	Do.	Do.	Application for reinstatement of Shri Tukaram Ishara Jadhav.
4	Do.	Do.	Do.	Do.	Application for reinstatement of Shri Shivraj Narayan Sawant.
5	Do.	Do.	Do.	Do.	Application for reinstatement of Shri S. S. Kharat.
6	Do.	A.E. O.C.	Labour-cum-watchman.	Do.	Application from Shri Kasarkhan Fathekhan for reinstatement.
7	Do.	H. S.	Motor Loader.	Do.	Reduction in the strength of Motor Loaders.
8	Individual reference.	H. O.	Staff Sister.	Govt. Labour Officer.	Transfer of Smt. Mukane ^o Sister Juhu Hospital.
9	Do.	H. O.	Badlee Sweeper.	Govt. Labour Officer, Ghatkopar.	Appointment in the post of Badlee Ayah of Smt. Sevantabai Baburao.
10	Do.	Nair Hosp.	Ayah.	Do.	Reinstatement in Municipal Service of Smt. Khirunni Sq. who had been medically incapacitated.
11	Bombay Municipal Executive Staff Union.	E. O.	Beat Inspector	Asstt. Commr. of Labour.	Revision of Grade.
12	Bombay Municipal Subordinate Staff Union. Municipal Mazdoor Union. Bharatiya Kamgar Sena. Bombay Municipal Executive Staff Union.	All Departments.	All categories.	Do.	Reduction in the number of casual leave.

LEGAL DEPARTMENT

The Legal Department deals with the Legal problems referred to it by other Municipal departments on the matter of law. With the Law Officer at the head, the department through its Municipal Prosecutors and Attorneys conducts municipal cases in different Law Courts in the City. Apart from this, the department handles drafting of lease agreements, indemnity bonds, Conveyances, Deeds of transfers, Indentures of mortgages etc. During the year under report, the department attended to the numerous litigations and rendered legal services as under:—

I.—Supreme Court—		
Appeals	.. .. .	40
II.—High Court—		
1. First Appeals	.. .. .	409
2. Appeals from order	.. .. .	228
3. Letters Patent Appeals	.. .. .	34
4. Civil Applications	.. .. .	338
5. Civil Revision Applications	.. .. .	39
6. Special Civil Petitions	.. .. .	129
7. Long Causes Suits	.. .. .	118
8. Arbitration Suits	.. .. .	3
9. Appeals before Division Bench	.. .. .	51
10. Insolvency matters and Company Petitions	.. .. .	241
11. Writ Petitions	.. .. .	641
12. Pauper Petition	.. .. .	1
13. Notices of Motion	.. .. .	36
14. Land Acquisition References	.. .. .	36
III.—Allahabad High Court—		
Insolvency Matters	.. .. .	1
IIIB.—Jodhpur High Court—		
Insolvency Matters	.. .. .	1
III.—City Civil Court Suits—		
(a) Suits by the Corporation	.. .. .	15
(b) Suits against the Corporation	.. .. .	763
2. Miscellaneous Appeals	.. .. .	44
IV.—Small Causes Court—		
1. Suits by the Corporation	.. .. .	12
2. Suits against the Corporation	.. .. .	2
3. Garnishes Notice	.. .. .	8
5. Full Court Applications	.. .. .	3
5. Licence Appeals	.. .. .	130
6. Set-back Appeals	.. .. .	6
7. Rateable Value Appeals	.. .. .	165
8. References against 503 of B. M. C. Act	.. .. .	114
V.—Police Courts—		
1. Complaints for offences against Municipal Laws	.. .. .	38,131
2. Balance of Cases of Last Years	.. .. .	33,790
3. Number of cases disposed of during 1976-77	.. .. .	29,392
4. Balance of Cases for next year	.. .. .	42,529
5. Fine recovered in Police Courts	.. .. .	Rs. 23,26,828
VI.—Labour and Industrial Courts—		
1. Workmen Compensation Court Applications	.. .. .	2
2. Labour Court Applications	.. .. .	10
3. Motor Accident Tribunal Applications	.. .. .	16
VII.—Municipal Enquiry Courts (Section 105B of the B. M. C. Act)		2,675
VIII.—Documents completed during the Year—		
1. Conveyance	.. .. .	3
2. Agreements for handing over possession	.. .. .	7
3. Leases	.. .. .	25
4. Sale Certificates	.. .. .	23
5. Transfer Deeds	.. .. .	6
6. Licence and Deed of Conventions	.. .. .	77
7. Agreements	.. .. .	73
8. Indemnity Bonds	.. .. .	40
9. Cases for compensation of set back land	.. .. .	223
10. Cases for compensation of Town Planning Scheme	.. .. .	38
11. Advice matters in respect of Stamp Duty, Town Planning, Set Back, P. F. Claims, Agreements Miscellaneous matters	.. .. .	2,245
12. Indenture of Mortgage & Receipt (Municipal Housing Societies)	.. .. .	34
13. Legal Notices for arrears of ground rent etc.	.. .. .	102
14. Legal Notices for breaches committed by lessees	.. .. .	127
15. Opinion matters with Miscellaneous Notices	.. .. .	404
16. Further charges M. H. S.	.. .. .	2
17. 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.	.. .. .	307
IX.—References received from Departments and Outside Parties	.. .. .	31,782

S. N. PHADKE,
Law Officer.

CENTRAL STORES

HIGHLIGHTS:

(1) Expenditure :—		Rs.
(a) Establishment	...	9,55,819
(b) Advertisement	...	54,819
(c) Printing and Stationery	...	32,726
(d) Miscellaneous	...	43,820
(e) Maintenance and Repairs	...	21,180
	Total	11,08,364
(2) Amount realised	...	72,881
(3) Value of Stores :—		
(i) Opening Balance	...	1,11,72,195
(ii) Issue	...	5,28,11,472
(iii) Purchases	...	4,80,50,784
(iv) Balance	...	64,11,507
(4) Work handled :—		
(i) Tenders invited	... 292	(iii) Contracts executed ... 338
(ii) Quotations invited	... 87	(iv) Items purchased ... 2600
(5) Averages :—		
		General Stores Capital Stores
(i) Inventory Level	... ... ...	Rs. 45,03,554 Rs. 42,88,298
(ii) Stock Level in terms of months consumption	... 3.532 months	1.371 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, hospitals and general stores of all departments. There are about 254 schedules covering over 5000 items. The purchase is made either by inviting tenders by public advertisement or by circular letters to all known dealers.

During the year, 346 notices were served on the defaulting suppliers and in 6 cases tender or contract deposits were either wholly or partly forfeited. In delayed supplies penalties were also recovered.

Bills and Accounts:— 2658 bills were received, 21132 indents were executed and 2475 sales mema for issue of materials for the contractors' works were issued.

Scrap and unserviceable articles worth Rs. 23,283 were disposed of by sale.

C. H. KHUBCHANDANI.
Controller of Stores.
(In-charge).

STATEMENT 'A'

Stores Transactions.

Particulars	Capital Stores	General Stores	Total
	Rs.	Rs.	Rs.
Value of Stores as on 1st April 1976.	56,42,271	55,29,924	1,11,72,195
Value of Stores received including transfers during the year 1976-77.	3,48,03,882	1,32,46,902	4,80,50,784
Total	404,46,153	1,87,76,826	5,92,22,979
Less—Value of Stores issued including transfer during the year 1976-77.	3,75,11,829	1,52,99,643	5,28,11,472
Balance as on 1st April 1977.	29,34,324	34,77,183	64,11,507
Average Annual Inventory.	42,88,298	45,03,554	87,91,851
Ratio of average Inventory level to monthly average issue.	1,371	3,532	1,998

STATEMENT 'B'

Details of Stock held at Central Storos

(000omitted)

Particulars	Balance as on	Receipts during	Total	Issued during	Balance as on	Average Inventory	Average monthly consumption	Average Inventory level in
	1-4-1976	1976-77		1976-77	1-4-1977			terms of months
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CAPITAL ACCOUNT								
(1) Cement	4.71	3,36.71	3,41.42	3,36.22	5.20	4.96	28.02	0.177
(2) C. I. Pipes, Manholes, Hydrants, Water & Drainage Castings etc.	27.77	1.39	29.16	19.29	9.87	18.82	1.61	11.709
(3) M. S. Round Bars, Flats, Plates, C. I. G. I. Black Sheets, S. P. Tanks etc.	13.63	8.32	21.95	13.33	8.62	11.12	1.11	10.010
(4) Pipes, Stoneware and Hume	1	12	13	7	6	4	1	6.745
(5) Galvd. Pipes and Fittings	10.13	1.45	11.58	6.16	5.42	7.78	51	14.190
(6) Lead Pig and Lead Wool and Lead Pipes	14	5	19	5	14	14	...	35.313
(7) Asbestos Sheets, Pipes and Fittings...	3	...	3	...	3	...	...	...
GENERAL ACCOUNT								
(8) Spindle Bars and Fittings	1.62	26	1.88	80	1.08	1.35	7	20.201
(9) Bolts, Nuts, Rivets, Nails, Washers and Hardwares etc.	3.28	93	4.21	2.89	1.32	2.30	24	9.553
(10) Brooms, Goa, Date and Brushes	49	3.79	4.28	3.79	49	49	32	1.556
(11) Cables and Wires	58	1.17	1.75	1.65	10	34	14	2.473
(12) Elec. Accessories, bulbs, fans, Electrodes, Dry Cells, etc.	2.41	9.63	12.04	10.35	1.69	2.05	86	2.372
(13) Files and Rasps	7	7	14	6	8	8	1	14.254
(14) Oil Castor, Coconut, sweet, kerosene, grease Lubricating etc.	35	7.90	8.25	8.01	24	29	67	0.432
(15) Timber, Ladders, shaft Bhandiwood, Nowghani Poles, Plywood sheets etc.	13	36	49	40	9	11	3	3.253
(16) Clothing	30.72	44.51	75.23	56.60	18.63	24.67	4.72	5.232
(17) Disinfectants, Tropical Chloride, Cleaning Powder etc.	1.06	12.15	13.21	12.45	76	91	1.04	0.875
(18) Tools, Machinery Foot rules, spanners, drills, saws, Anger Screws etc.	83	75	1.58	1.23	35	59	10	5.725
(19) Soap and Soda	1.33	10.03	11.36	9.62	1.74	1.53	80	1.914
(20) Baskets, Cane, Bamboo and wooden	1.18	8.41	9.59	8.78	81	1.00	73	1.361
(21) Buckets, Dustbins, Chamellas Enamware Hurricane, Linterns, Glassware etc.	3.01	4.73	7.74	6.14	1.60	2.31	51	4.505
(22) Hose rubber, belting canvas	2.20	2.28	4.48	3.61	87	1.54	30	5.108
(23) Wires, Brass Rods, Copper Sheets Zinc sheets, etc.	99	41	1.40	90	50	75	7	10.004
(24) Leather Hides, Chamois, Chappals, Floungers, Boots and other leather articles	1.29	4.92	6.21	5.41	80	1.05	45	2.322
(25) Coir goods, cotton goods, yarnspun, waste cotton, packing asbestos, etc.	82	3.36	4.18	3.72	46	64	31	2.064
(26) Paints, powders, Linseed Oils and Turpentine	1.18	9.15	10.34	7.96	2.38	1.78	66	2.663
(27) Locks of sorts	96	44	1.40	1.13	27	61	9	5.16
(28) Misc. articles (Polish, candles, glue tiles, gum, power saws, typewriters etc.	80	7.21	8.01	7.49	52	65	63	1.042
Total	1,11.72	4,80.51	5,92.23	5,28.11	64.12	87.92	44.01	1.998

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 employees, and
2. Stock verification of Municipal Stores of all kinds and checking of Municipal steel and wooden furnitures.

During the Year, the Department conducted 2,010 investigations, paid 705 surprise visits to various Municipal Institutions and mustering places and disposed of 6,812 cases of miscellaneous nature. The details of investigation are as under:—

(a) Cases of alleged acceptance of illegal gratification and misappropriation of Municipal money	150
(b) Cases of irregularities of major nature	362
(c) Cases of irregularities of minor nature	1,498
Total :	2,010

Actions taken were as under:—

	No. of Cases
1. Dismissal	3
2. Removal	17
3. Withholding increments	74
4. Fines imposed	53
5. Censure, Caution and Warnings	68
6. Suspension for 3 days	12
7. Sent to Departments for remedial action	748
8. Filed as the allegations were found to be either false or too vague	977
9. Exonerated as the charges were not proved	9
10. Recovery on account of loss to the Corporation	7

Details of deterrent punishments:—

Category	Dismissal	Removal	Withholding of increments,
Asstt. Security Officer	1	..
Supervisor Conservency	1	..
Clerk	1	..	6
Death Registration Karkoon	1	2	..
Notice Clerk	1
Notice Karkoon	1	1
Clerk-cum-Typist	1	..
Jr. Inspector (Market)	2	1
Octroi Inspector	1
Asstt. Artist	2
Staff Nurse	4
Dy. Head Teacher	2
Asstt. Teacher	3
Telephone Operator	1
Sanitary Inspector	1
Junior Engineer	1
Rent Collector	2	..
Co-Ordinator (Family Planning)	1
Labourer	1	7	49
Total	3	17	74

The stock verification section carried out verifications of stores, stocks of petrol and diesel as also of live stock at V. J. B. Udyan. The Section attended to the checking of unserviceable articles prior to their disposal and rendered help to Enquiries Section in keeping watch and scrutiny of voluminous records when needed.

Distribution of relief grants from Mayor's Relief Fund amounting to Rs. 29,620 to families of victims of house collapse, fire and other calamities was carried out by Stock Verification Section.

Details of work done:—

(1) Disposal of papers received for scrutiny and audit from different departments	4,213
(2) Attendance of Auction sales of Municipal Properties or lease	381

The furniture Inspector checked during the year following items of furniture:—

	Approved	Rejected
(1) Wooden furniture	20,930	6,190
(2) Folding Steel Chairs	1,054	238

M. S. DUSANE,
Vigilance Officer,
Administrative Officer (Enquiries)
Department.

BOMBAY MUNICIPAL SECURITY FORCE

Money Spent :

(i) On Establishment Rs. 1,23,84,300

(ii) On other matters Rs. 3,16,900.

Results achieved :

Departmental Enquiries completed	..	..	..	..	316
Theft etc. cases reported	..	..	..	..	255
Value of Municipal Property involved	..	..	..	Rs.	63,007
Cases detected	..	..	..	..	103
Value of property recovered	..	..	..	Rs.	27,947

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, 6 Asstt. Security Officers and 2786 guards inclusive of 137 fresh recruits under their control.

Classification of Departmental Enquiries completed by the Department :—

(a) Alleged acceptance of illegal gratification, misappropriation, theft or pilferage	..	..	..	..	95
(b) Irregularities, such as rude behaviour, assaults, harassment to patients in hospitals, taking leave under false pretext, etc.	..	..	..	..	116
(c) Other irregularities such as irregular attendance subletting of rooms, harbouring outsiders in the rooms and negligence of duties etc.	..	..	..	..	105

Action taken :

		No. of employees
Dismissal	..	9
Removal from Service	..	31
Demotion	..	2
Withholding of increments	..	136
Fine imposed	..	46
Censures and warnings	..	17
Recoveries made for loss of Municipal Property	..	50
Sent to Departments concerned for conducting further D. Es.	..	9
Exonerated as the charges were not proved	..	11
Enquiries in progress at the end of the year	..	68
D. Es. kept on Dormant File	..	19

Category wise Classification of Punishments

Category	Dismissal	Removal	Demotion	Increment withheld
Clerk	..	..	..	3
Security and Head Security Guards	1	18	1	93
Labour staff and other categories	8	13	1	40
	9	31	2	136

Departmental Enquiries pending with the Department

405

The Security Guards found guilty of minor defaults are punished such as censure, censure or fine. The fine so recovered from 256 Security Guards amounted to Rs. 336.

Theft Cases :

	No. of cases	Property lost	Cases detected	Property recovered
		Rs.		Rs.
Hospitals	43	12,041	27	8,900
Others	212	50,966	76	19,048

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 Salutation Ceremony on the Republic Day and Independence Day.

The Security Force has got its own Training School and during the year 178 Security Guards (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. N. SALUNKE,
Security Officer.

MUNICIPAL PRINTING PRESS

HIGH-LIGHTS :

(1) Expenditure :

(a) Establishment Rs. 33,99,323

(b) Other items Rs. 31,10,036.

(2) Jobs : (a) Printing 9,638

(b) Supply of Stationery 1,759.

(3) Printed pages for Corporation and their Various Committees. 52,874.

(4) A mount charged—(a) To Departments Rs. 65,12,944 (b) To Private Parties Rs. 40,208

During the year, the Press carried out 9,638 printing jobs both Department and Private in addition to supply of stationery jobs at a total cost of Rs. 66,12,944. Department undertook 59 private printing jobs and 8 jobs of stationery and earned Rs. 40,208. There was a surplus of Rs. 8,45,240 against the last year's surplus of Rs. 11,78,402. In order to meet the requirements, Department purchased 451 Metric Tons of various kinds of paper from the market and consumed total quantity of 525 Metric Tons which included old stock.

The comparative statement of jobs carried out and papers purchased during 1975-76 and 1976-77 is furnished below :—

Statement I (Jobs carried out)

Description	1975-76		1976-77	
	Jobs.	Pages.	Jobs.	Pages.
(i) Departmental (Printing) ...	8991	A	9579	
(ii) Departmental (Stationery) ...	1680		1751	
(iii) Private Parties (Printing) ...	36		51	
(iv) Private Parties (Stationery) ...	8		8	
(v) B.E.S. & T. Undertaking ...	8		8	
(vi) Corporation and Committees		39033 E		34874 B
		7655M		7179M
(vii) Corporation Record ...		2598M		2953M
		10450 E		7868 E

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

Statement II (Paper consumed)

Description.	1975-76		1976-77	
	Rate per Kg.	Quantity in M.T.	Rate per Kg.	Quantity in M.T.
(i) White ...	Rs. 7.01	304½	Rs. 4.65	378½
(ii) Nepa ...	3.74	30½	3.40	28
(iii) Other kinds ...	6.73	145	5.08	118½
Total		480½		525

Certain jobs were carried out through outside agencies at a cost of Rs. 59,038— as against Rs. 55,188 in the previous year. In addition to regular work, the Press carried out Printing of (i) Marathi Budget comprising 3,317 pages and (ii) Budget 'G' both Marathi and English in time against heavy odds.

In response to the incentive Bonus Scheme for C. L. 31 workers responded as against 71 in the previous year. The Press is working in two shifts with a total strength of 384 workers as on 28th February 1977 against 353 as on 29th February 1976. 25 Apprentices under Apprenticeship Act 1961, were engaged in the year as against 25 on 19th February 1976. The labour relations were very cordial as their grievances were redressed on spot wherever practicable.

M. M. KAMAT,

Manager,

Municipal Printing Press.

Balance Sheet as at 31st March 1977

LIABILITIES		ASSETS	
Rs.	P.	Rs.	P.
CAPITAL—			
(1) Advances from Surplus Cash Balance	5,544 00	(1) Plant and Machinery purchased out of Surplus Cash Balance	5,544 00
(2) Advances from Net Premia Fund	1,68,221 12	(2) Plant & Machinery purchased out of Net Premia Fund	1,68,221 12
(3) —Do—	49,201 19	(3) —Do—	49,201 19
(4) —Do—	22,745 31	(4) —Do—	22,745 31
(5) Advances from Special Funds	1,81,685 55	(5) Do. Out of Special Fund	1,81,685 55
(5) —Do—	7,134 37	(6) —Do—	7,134 37
(7) —Do—	415 00	(7) —Do—	415 00
(8) Advances from Capital Works—Loan Funds, I.—General Supervision, Collection of Revenue Item No. 7, Conversion of Crusher Godown at Carnac Bridge	5,06,193 65	(8) & (9) Plant and Machinery purchased out of General Supervision, Collection of Revenue, Item No. 7, Conversion of Crusher Godown at Carnac Bridge	1,55,903 66
(9) —Do—	1,09,122 24	Do. Books and Dead Stock	11,640 38
(10) Advances from Plant & Machinery Depreciation Fund.	1,39,669 10	Do. Cost of Crusher Building	4,47,771 85
(11) Advances from Capital Works—Loan Funds—Plant and Machinery to be purchased out of Fire and Accident Insurance Fund	51,881 44	(10) Plant and Machinery Purchased out of Capital Works—Loan Funds P. & M. Fire & Accident Insurance Fund	51,831 44
(12) —Do—	97,107 17	(11) Plant and Machinery purchased out of Capital Works—Loan Funds P. and M. Fire and Accident Insurance Fund	97,107 17
(13) —Do—	2,49,116 21	(12) —Do—	2,49,116 21
(14) Advances from Sundries-Miscellaneous Advances	1,11,100 39	(13) Plant and Machinery purchased out of P. & M. Depreciation Fund.	1,39,669 10
(15) Advances from Plant & Machinery to be purchased out of Special Fund Item No. 10	1,39,800 00	(14) Plant and Machinery purchased out of Sundries Miscellaneous Advances	1,11,100 39
(16) Advances from plant & Machinery to be purchased from Special Fund Item No. 1	1,50,697 24	(15) Plant & Machinery purchased out Special Fund Item No. 10	1,39,800 00
	19,89,633 98	(16) Plant and Machinery purchased out of Special Fund Item No. 1	1,50,697 24
Less Amount Repaid	14,03,064 78	Less—Depreciation upto 31-3-1977	19,89,633 98
		Work in Progress	7,76,554 19
	5,85,561 20	Stock of Paper, etc.,	6,19,000 27
		Mono Metal—Balance as per last year	3,11,135 74
		Do. Addition during the year	0 00
		Do. Less written off	15,356 79
		Line Metal—Balance as per Last year	2,35,04 65
		Do. Additions during the year	62,993 50
		Do. Less—Written off	14,944 91
		Materials Non-Consumable—	
		Balance as per last year	34,828 16
		Do. Less—Written off	17,372 74
		Books and Dead Stock—	
		Balance as per last year	28,688 85
		Do. Addition during the year	0 00
		Do. Less—Written off	4,327 83
Outstanding Advances as on 31-3-1977	1,13,91,460 25	Bills due from Departments	93,73,877 16
	1,19,78,029 45		93,73,877 16
			1,13,91,460 25
			1,19,78,029 45

The summary of Advance Departmental Works-Municipal Printing Press recoveries for the year 1976-77.

	Rs.	Rs.		Rs.	Rs.
Opening Balance	95,69,065.98		Recovery during 1976-77	68,12,916.99	
Material in hand	17,30,938.81		Misc. Revenue	65,724.42	68,78,641.41
Work in Progress	7,96,840.38				
	<u>1,20,96,845.17</u>		Material in hand	12,41,028.90	
Less Profit during 1975-76	11,78,402.15		Work in Progress	7,76,554.19	
	<u>1,09,18,443.02</u>	1,09,18,443.02	Outstanding Bills	93,73,877.16	1,13,91,460.25
Expenditure during 1976-77					<u>1,82,70,101.66</u>
I—Establishment	33,99,322.52		Less Profit	8,42,240.12	8,42,240.12
II—Contingencies	1,36,244.22				
III—Repair and Maintenance	1,52,696.14				
IV—Stores	25,88,741.46				
V—Electric Power	38,393.77				
VI—Work through Outside Agencies	59,038.26				
VII—Provident Fund Charges	56,999.77				
VIII—Debt Charges	37,557.88				
IX—Transport	40,424.50				
X—Depreciation	Nil	65,09,418.52			
		<u>1,74,27,861.54</u>			<u>1,74,27,861.54</u>

FINANCE

Report from the Chief Accountant on the accounts of the General Municipal Administration, the Improvement Schemes and the Education Fund for the year 1976-77.

GENERAL MUNICIPAL ADMINISTRATION

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

Revenue Account Budget 'A'	1976-77			Actuals for 1975-76.
	Budget Estimates.	Revised Estimates.	Actuals	
	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	1,41,24,753	—3,60,46,534	—3,60,46,534	7,11,219
Income ..	93,12,74,325	86,70,09,215	92,56,20,289	70,40,41,125
Expenditure ..	86,31,72,491	95,03,22,681	82,55,70,892	74,28,43,919
Balance ..	6,81,01,834 (Surplus)	8,33,13,466 (Deficit)	10,00,49,397 (Surplus)	3,88,02,794 (Deficit)
Balance ...	8,22,26,587	—11,93,60,000	6,40,02,863	—3,80,91,575
Increase (—)/Decrease (+) in Reservation for Advances etc.			—2,89,46,288	+20,45,041
Closing Balance ..	8,22,26,587	—11,93,60,000	3,50,56,575	—3,60,46,534

2. The details of reservation of Advances etc.		Rs.	Rs.
<i>Increase :</i>			
In Advances, Miscellaneous Advances.		1,23,10,237	
In Renewed Grant for Expenditure in 1977-78		2,10,00,000	3,33,10,237
<i>Decrease :</i>			
In Reserve Stores.		20,09,501	
In Advance for Plant & Machinery.		23,54,448	43,63,949
Net Increase.			2,89,46,288

Comparative statement showing the actual position of Surplus Cash Balance as on 31st March 1977 and that as shown in the Revised Estimates for 1976-77 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 ..	—360.46	—360.46	..
Income ..	86,70.09	92,56.20	*5,86.11 Excess.
Expenditure ..	95,03.23	82,55.71	12,47.52 (Short fall)
Deficit/Surplus for the year ..	—8,33.14	+10,00.49	18,33.63 Increase by
Deficit/Surplus ..	—11,93.60	+6,40.03	18,33.63 Increase by
Deduct-Increase in reservation for Advances ..	..	—2,89.46	2,89.46
Net Deficit/Surplus. (—) (+)	—11,93.60	+3,50.57	15,44.17 (Increase)

* Income in Octroi had increased on removal of restrictions on fiscal transaction thereby increasing imports of goods traffic. Besides claims for refund could not be settled before the close of the year.

In the Revised Estimates Income was estimated at Rs. 86.70 Crores and expenditure at Rs. 95.03 Crores. On actual closing of the books it is revealed that Income is in excess by Rs. 5.86 Crores and Expenditure is less by Rs. 12.48 Crores. The main increases in Income are Rs. 4.10 Crores particularly in General Tax etc. inclusive of Octroi which forms about Rs. 2.51 Crores, Rs. 0.86 Crores in other receipts such as interest etc. on investments and Rs. 0.69 Crores in General Tax. Increase of Rs. 0.57 Crores and Rs. 0.62 Crores is also noticed in buildings and Traffic operations respectively.

The Shortfall of expenditure is mainly due to postponement of liability of Rs. 6.42 Crores due to non availability of S. C. B. during the year 1976-77 and reduction in expenditure under General Supervision etc. by Rs. 1.08 Crores, Rs. 1.33 Crores in Medical Relief, Rs. 1.81 Crores in Storm Water Drains, Rs. 0.40 Crores in Licensing etc., Rs. 0.32 crores in Deb. charges and Rs. 2.30 crores in other services counter balanced by increase of Rs. 1.12 Crores in Traffic Operations etc.

3. The net unhypothecated Surplus Cash Balance on 31st March 1977 was as under :—

Liabilities	Amount	Assets	Amount
	Rs.		Rs.
Reserve Stores and Line Suspense Account	38,70,155	Surplus Fund as per Appendix No. 2	14,50,88,969
Advances for Plant and Machinery	33,396		
Miscellaneous Advances	10,61,28,843		
Minimum required bylaw	1,00,000		
Surplus Cash Balance	3,49,56,575		
Total	14,50,88,969	Total	14,50,88,969

4. The Opening and Closing Reserve Stores (including Capital Stores) Balance for the year 1976-77 is compared below :—

Particulars	Opening Balance.	Closing Balance	+Increase —Decrease
	Rs.	Rs.	Rs.
Serviceable Stores Reserve Stores...	2,89,37,760	* 2,55,81,941	—33,55,819
Reserve Suspense A/c. ..	8,52,178	**12,09,842	+3,57,664
Line Suspense A/c. ..	190	Nil.	— 190
Capital Stores ..	2,65,06,542	2,95,27,954	+30,21,412
Capital Stores (Foras Road Depot)	2,33,411	5,82,549	+3,49,138

* This includes 2,21,04,758 shown under unadjusted Reserve Stores A/c.

** This includes Rs. 8,16,870 shown under unadjusted Reserve Stores A/c. (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 1976	Loans raised during the year.	Repayment during the year.	Loans outstanding as on 31st March 1977.
	Rs.	Rs.	Rs.	Rs.
Division—I ..	38,26,37,884	5,47,50,000	1,17,72,133	42,56,15,751
Division—II ..	19,60,96,606	7,70,00,000	20,00,003	27,10,96,603
Division—III ..	9,96,33,929	3,62,50,000	..	13,58,83,929
Total ..	67,83,68,419	16,80,00,000†	1,37,72,136††	83,25,96,283

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

	Rs.	Rs.	
Division—I	2,47,50,000		Being the loan amount towards Rs. 550 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. 1,125 lakhs loan sanctioned under Corporation Resolution No. 725 dated the 22nd November 1976 and G. R. No. LON/3276/1534/76/BUD-16 dated the 30th November 1976. The provision of Sinking Fund is sanctioned on 10 years basis improving at 6 per cent.
Division—II	2,20,00,000		
Division—III	1,37,50,000		
		6,05,00,000	
Division—I ..	3,00,00,000		Being the loan amount towards Rs. 1075 lakhs loan issued at par with a currency of 25 years at 6½ per cent interest per annum raised by Internal Funds. Loan sanctioned under C. R. No. 725 of 22nd November 1976 and G. R. No. LON/3277/223/77/BUD-16 dated the 3rd March 1977. The provision of Sinking Fund is sanctioned on 25 years basis improving at 6 per cent.
Division—II ..	5,50,00,000		
Division—III ..	2,25,00,000	10,75,00,000	
Total		16,80,00,000	

†† The repayments during the year were as under :—

	Rs.	
Division—I (1) ..	57,03,698	Repaid to Debenture holders out of Sinking Fund Investment.
(2) ..	60,68,435	Repaid to different Special Funds out of Revenue on the basis of equated payments.
Division—II	20,00,003	Repaid to Debenture holders out of Sinking Fund Investment.
Division—III	..	
Total	<u>1,37,72,136</u>	

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

Budget 'A'	Amount of Fund on 1st April 1976.	Interest etc. received	Sinking Fund Instalment.	Withdrawn for payment of Loan.	Amount of Fund on 31st March 1977.
	Rs.	Rs.	Rs.	Rs.	Rs.
Div.—I ..	33,90,83,054	1,72,34,759	3,40,48,900	2,74,00,000	*36,29,66,713
Div.—II ..	7,76,07,214	42,50,733	1,03,82,677	75,00,000	*8,47,40,624
Div.—III ..	3,66,20,411	22,04,632	58,77,268	..	*4,47,02,311
	<u>45,33,10,679</u>	<u>2,36,90,124</u>	<u>5,03,08,845</u>	<u>3,49,00,000</u>	<u>49,24,09,648</u>

The value of the securities held in the Sinking Fund on the basis of market rates prevailing on 31st March 1977 including accrued interest and Cash exceeds the actuarial amount of the Sinking Fund by Rs. 2,85,72,669. (Division I Rs. 1,32,89,729, Division II Rs. 1,24,61,396 and Division III Rs. 28,21,544.)

REVENUE INCOME

For Divisions I, II, and III.

6. The estimated income for the year was Rs. 93,12,74,325 and Revised Estimates was Rs. 86,70,09,215. The Actuals amounted to Rs. 92,56,20,289 resulting in decrease of Rs. 56,54,036 on the Budget Estimates and Increase of Rs. 5,86,11,074 on the Revised Estimates.

OCTROI

6A. The gross collections for the year were estimated at Rs. 42,97,00,000 the refunds and commission charges at Rs. 3,50,00,000 and the net revenue at Rs. 39,47,00,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 48,00,05,738 and after deducting the amount of Rs. 4,38,75,669 (on account of refunds Rs. 3,93,00,510 and on account of fees for collection Rs. 45,75,159 credited to the separate Revenue Head), the net receipts amounted to Rs. 43,61,30,069 showing an increase of Rs. 15,54,91,260 as compared with the actuals of the previous year (i.e. Rs. 28,06,38,809).

REVENUE EXPENDITURE

For Divisions I, II and III.

7. The final sanctioned Grants amounted in the aggregate to Rs. 1,02,96,24,970.

Budget Grants	Rs. 86,31,72,491
Unexpended Grants for previous years renewed for expenditure	.. 3,13,53,091
Additional Grants	.. 13,50,99,388
Final sanctioned Grant	<u>.. 1,02,96,24,970</u>

* Out of this Rs. 25,26,76,685, Rs. 2,03,76,111 and Rs. 1,35,14,451 pertaining to Division I, II and III respectively relate to Budget 'G'.

The transfers from one Budget Head to another without affecting the total Budget Provisions for the year amounted to Rs. 13,86,19,328.

8. Against the final grants for the year aggregating to Rs. 1,02,96,24,970 as stated above the actuals amounted to Rs. 82,55,70,892 leaving an unexpended balance of Rs. 20,40,54,078 at the close of the year. Out of this balance the amount of Rs. 5,25,00,000 is being renewed for expenditure during 1977-78 as against Rs. 3,15,00,000 in 1976-77 and the remaining balance of Rs. 15,15,54,078 is being allowed to lapse.

9. The percentage of establishment expenditure to the total expenditure for 1976-77 and the previous year is as given below :—

Budget 'A'	Percentage of Establishment cost to total Expenditure during	
	1976-77	1975-76
Division I	37.20	37.98
Division II	37.78	37.78
Division III	39.05	35.02

LOAN WORKS EXPENDITURE

(City)

10. The opening deficit balance on 1st April 1976 on account of Loan Funds excluding the Trust Fund was Rs. 90,82,002. Loans aggregating to Rs. 5,47,50,000 were raised during the year. Thus the total loan funds available for expenditure during the year were Rs. 4,56,67,998. The total expenditure incurred during the year amounted to Rs. 5,21,42,297. An amount of Rs. 52,835 has been advanced during the year towards recoupment of advance from the Surplus Cash Balance. The deficit of Rs. 65,27,134 was met by taking an advance from Surplus Monies.

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

Year	LOAN FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1974-75 ..	12,00,46,960	10,96,94,501	4,61,56,696	38	42
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

The percentage of actual expenditure to funds available works out to 112.

(Suburbs)

The deficit opening balance on 1st April 1976 on account of Loan and Trust Fund was Rs. 1,51,71,570. Loan aggregating to Rs. 7,70,00,000 was raised during the year. After deduction of Rs. 97,808 the balance in Trust Fund utilised for meeting the expenditure of Loan Funds, the total Loan Funds available for expenditure during the year were Rs. 6,17,30,622. The total expenditure incurred during the year amounted to Rs. 6,47,01,483. The excess expenditure of Rs. 29,70,861 was met from Surplus Monies. No expenditure was incurred during the year under Trust Fund and a balance of Rs. 97,808 was in Trust Fund at the close of the year.

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

Years	LOAN AND TRUST FUNDS			Percentage of Actuals to Budget Estimates	Percentage of Actuals to Revised Estimates.
	Budget Estimates	Revised Estimates	Actuals		
	Rs.	Rs.	Rs.		
1974-75	13,65,88,600	11,86,76,871	3,87,16,199	28	33
1975-76	10,39,40,070	12,02,41,295	5,14,55,993	40	43
1976-67	11,47,76,350	13,76,45,091	6,47,01,483	56	47

The percentage of Actual Expenditure to the Funds available works out to 105.

(Extended Suburbs.)

The deficit opening balance on 1st April 1976 on account of Loan Funds was Rs. 60,54,197. Loan aggregating to Rs. 3,62,50,000 was raised during the year. Thus total Loan Funds available for expenditure during the year were Rs. 3,01,95,803. The total expenditure incurred during the year amounted to Rs. 3,10,13,140. The excess expenditure of Rs. 8,17,337 was met from Surplus Monies.

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

Year	LOAN AND TRUST FUNDS			Percentage of Actuals to Budget Estimates.	Percentage of Actuals to Revised Estimates.
	Budget Estimates	Revised Estimates.	Actuals		
	Rs.	Rs.	Rs.		
1974-75	5,89,02,000	5,06,45,260	1,49,84,786	25	30
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

The percentage of Actual Expenditure to the Funds available works out to 103.

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.		
1974-75	31,55,37,560	27,93,55,632	9,98,57,681	32	36
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

The percentage of Actual expenditure to the Funds available works out to 107.

**SINKING FUND
(CITY)**

12. The book value of investment of the Sinking Fund as on 31st March 1977 amounted to Rs. 36,29,66,713 made up of Rs. 36,29,66,572 being the book value of securities and Rs. 141 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 1977 comes to Rs. 36,13,11,479. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 40,21,369 and cash with the State Bank of India Rs. 141 brings the total amount of Sinking Fund to Rs. 36,53,32,989 and more than covers the amount viz. Rs. 35,20,43,260 to which the Sinking Fund should have accumulated upto 31st March 1977. The excess in Sinking Fund account was thus Rs. 1,32,89,729.

(SUBURBS)

The book value of the investment of the Sinking Fund as on 31st March 1977 amounted to Rs. 8,47,40,624 made up of Rs. 8,47,40,545 being the book value of the securities and Rs. 79 in cash with the State Bank of India. Valuing the Municipal Debentures at par the Market Value of Sinking Fund investment held on 31st March 1977 comes to Rs. 8,44,91,573. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 14,27,838 and cash with the State Bank of India Rs. 79 brings the total amount of Sinking Fund to Rs. 8,59,19,490 and more than covers the amount of Rs. 7,34,58,095 to which the Sinking Fund should have accumulated upto 31st March 1977. The excess in the Sinking Fund investment account was thus Rs. 1,24,61,395.

(EXTENDED SUBURBS)

The book value of investment of the Sinking Fund as on 31st March 1977 amounted to Rs. 4,47,02,311 made up of Rs. 4,47,02,250 being the book value of the securities and Rs. 61 in cash with the State Bank of India. Valuing the Municipal Debentures at par the Market value of Sinking Fund investment held on 31st March 1977 comes to Rs. 4,47,02,250. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 8,34,735 and cash with the State Bank of India Rs. 61 brings the total amount of Sinking Fund to Rs. 4,55,37,046 and more than covers the amount of Rs. 4,27,53,502 to which the Sinking Fund should have accumulated upto 31st March 1977. The excess in the Sinking Fund investment account was thus Rs. 27,83,544.

**INVESTMENT
(CITY)**

13. The details of aggregate investment made during the year are as follows :—

Deposits	Amount	Average No. of days.
	Rs.	
(1) Fixed Deposits ..	67,69,01,600	130.30
(2) Current Account Deposits ..	56,57,88,887	9.75
Total ..	1,24,26,90,487	

The interest earned during the year amounted to Rs. 1,90,21,018 as against Rs. 1,17,61,423 during 1975-76 and the details are as follows :—

	Rs.
On Fixed Deposits ..	1,84,83,223
On Current Account Deposits ..	5,37,795
Total ..	1,90,21,018

The average rates of interest on Fixed Deposits and Current Account Deposits were 7.65 per cent and 3.56 per cent, as against 7.17 per cent and 3.62 per cent for the preceding year respectively. The rates realised on Fixed Deposits ranged from 4 per cent to 10 per cent and on Current Account Deposits from ½ 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.
	Rs.	
(1) Time Deposits ..	14,46,00,000	1.74
(2) Current Account Deposits ..	39,64,45,054	2.56

The interest earned during the year amounted to Rs. 1,14,705 as against Rs. 18,87,585 during 1975-76 and the details are as follows :—

	Rs.
(1) On Time Deposits ..	27,649
(2) On Current Account Deposits ..	87,056
Total ..	1,14,705

The average rate of interest realised on Current Account Deposit was 3.55 per cent as against 3.40 per cent of the preceding year.

(EXTENDED SUBURBS)

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

Deposits	Amount	Average No. of days.
	Rs.	
(1) Time Deposits ..	14,46,00,000	2.01
(2) Current Account Deposits ..	23,69,31,058	2.54

The interest earned during the year amounted to Rs. 97,789 as against Rs. 8,38,239 during 1975-76 and the details are as follows :—

	Rs.
(1) On Time Deposits ..	31,901
(2) On Current Account Deposits ..	65,888
Total ..	97,789

The average rate of interest realised on Current Account Deposit was 4.00 per cent as against 3.21 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. 2,89,37,760 and Rs. 1,31,38,115 respectively and the issues amounted to Rs. 1,64,93,934. The closing balance of General Stores was therefore Rs. 2,55,81,941 i.e. less by Rs. 33,55,819 than the opening balance.

As against this the outstanding balance on 31st March 1977 according to Controller of Stores was Rs. 34,77,183. The difference of Rs. 2,21,04,758 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 1976-77. This amount of Rs. 2,21,04,758 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. 8,52,178 and Rs. 5,60,110 respectively and issues amounted to Rs. 2,02,445. The closing balance of General Stores Foras Road Depot was Rs. 12,09,842 i.e. more by Rs. 3,57,664 than the opening balance. As against this the outstanding balance on 31st March 1977 according to books of Mechanical Engineer's Department is Rs. 3,92,972. The difference of Rs. 8,16,870 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. 2,65,06,542 together with the receipts of Capital Stores during the year viz. Rs. 3,44,16,599 aggregated to Rs. 6,09,23,141. As against this, issues during the year aggregated to Rs. 3,13,95,187 thus resulting in increase of Rs. 30,21,412 in the closing balance of Capital Stores viz. Rs. 2,95,27,954 compared with opening balance. As against this, the outstanding balance as on 31st March 1977 according to C. S. is Rs. 29,34,324. The Opening Balance and the receipts of Capital Stores, Foras Road Depot were Rs. 2,33,411 and Rs. 4,18,196 respectively and the issues amounted to Rs. 69,058 thus resulting in an increase of Rs. 3,49,138 in the closing balance of Capital Stores, Foras Road Depot viz. Rs. 5,82,549 compared with opening balance. As against this, the outstanding balance as on 31st March 1977 according to books of Mechanical Engineer's Department is Rs. 1,49,461.

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. 29,50,000 and the expenditure being Rs. 28,51,467. This leaves a balance of Rs. 98,533. After deducting all ascertained time barred claims the undischarged commitments upto 31st March 1977 in regard to set backs already acquired and sanctioned to be acquired amount to Rs. 46,05,829.

(SUBURBS)

The provision made in the Revised Loan Works Budget Estimates for meeting the claims on account of acquisition of set backs was Rs. 50,000. No expenditure was booked during the year.

(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. 1,00,000. No expenditure was booked during the year.

LEVELLING, METALLING ETC. PRIVATE STREETS

17. The expenditure on the Improvements of Private Streets is financed in the first instance 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				Recoveries inclusive of interest and Supervision Charges.
	Actual ex- penditure of work.	Supervision Charges	Interest etc. Advances.	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.
1974-75	3,29,959	49,493	92,135	4,71,587	45,950
1975-76	4,17,909	62,685		4,80,594	
1976-77	4,90,271	73,541		5,63,812	

Balance of Supervision Charges outstanding as on 31st March 1977 is Rs. 5,61,863.

IMPROVEMENT SCHEMES

General Account

INCOME

18. The total income for the year amounted to Rs. 5,89,80,852 against Rs. 4,21,59,821 for the previous year showing the net increase of Rs. 1,68,21,031. This is made up of increase of (1) Rs. 1,06,78,859 under I.—Rent and other proceeds of properties, (2) Rs. 1,08,96,658 under II.—Contribution from Municipal Corporation and (3) Rs. 3,61,527 under V.—Misc. Receipts, counter-balanced by decrease of (1) Rs. 7,84,731 under IV.—Interest and profit on investment and (2) Rs. 43,31,282 under VI.—Grant Assistance from Government of India for environmental Improvement of Slums.

EXPENDITURE

19. The total expenditure for the year aggregated to Rs. 6,47,40,732 against Rs. 6,97,96,244 for the previous year showing decrease of Rs. 50,55,512. This is made up of decrease of Rs. 49,89,589 under A.—Maintenance of Properties and Streets and Rs. 65,923 under D.—Debt Charges. The expenditure of Rs. 6,47,40,732 comprises of expenditure of Rs. 5,53,69,732 under Maintenance of Properties and Streets and Rs. 93,71,000 under Debt Charges. The deficit of Rs. 57,59,880 in the General Account is transferred to Capital Account.

20. The loan liabilities at the beginning of the year stood at Rs. 12,65,65,778. A loan of Rs. 2,50,00,000 was raised during the year. Rs. 15,32,131 were repaid to Government on the basis of equated payment. The outstanding loan liabilities at the close of the year thus stood at Rs. 15,00,33,647.

CAPITAL ACCOUNT

21. The Opening deficit balance on 1st April 1976 was Rs. 1,01,09,317. During the year under report receipt on account of the Sale proceeds of lands and buildings amounted to Rs. 2,93,419. An amount of Rs. 2,50,00,000 was received as loan. The total funds available were thus Rs. 1,51,84,102. The total expenditure incurred amounted to Rs. 1,15,99,037. The deficit in the General Account amounting to Rs. 57,59,880 was transferred to Capital Account. The deficit of Rs. 21,74,815 was met by taking an advance from Surplus Monies of Budget 'A', Division I.

EXPENDITURE ON SCHEMES

22. The actual expenditure incurred during the year on schemes, amounted to Rs. 1,15,99,037 as against the Revised Estimates of Rs. 2,74,28,700 included in the total amount of Rs. 4,19,24,125 which also consists of Rs. 20,00,000 on account of cost of Management and Establishment and Rs. 1,24,95,425 as deficit in General Account.

SINKING FUND

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

Amount of Fund on 1st April 1976	Interest etc. on realisation	Sinking Fund instalments	Withdrawn for payment of Loans	Amount of Fund on 31st March 1977
Rs. 8,57,17,136	Rs. 42,61,598	Rs. 17,45,886	..	Rs. 9,17,24,620

The Sinking Fund as on 31st March 1977 amounts to Rs. 9,17,24,620 of which Rs. 9,17,24,553 represent the book value of the securities and Rs. 67 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 1977 comes to Rs. 9,16,88,185. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 3,28,789 and cash with State Bank of India viz. Rs. 67 brings together the total amount of Sinking Fund to Rs. 9,20,17,041 against Rs. 6,60,65,845 the amount to which the Sinking Fund should have accumulated upto 31st March 1977. The excess in the Sinking Fund investment account is thus Rs. 2,59,51,196.

24. The gross capital liabilities of the Improvement Schemes stood at Rs. 15,69,66,952 at the close of the year and the assets at Rs. 35,64,21,237, including the book value of the lands comprised in Schedules 'W' and 'X' resulting in a surplus of Rs. 19,94,54,285.

SLUM CLEARANCE

GENERAL ACCOUNT

(City Section)

INCOME

25 (1) The total income for the year amounted to Rs. 25,32,340 against Rs. 22,53,039 for the previous year showing a net increase of Rs. 2,79,301. This is made up of increase of Rs. 2,79,301 under Rent and other proceeds of properties.

EXPENDITURE

25 (2) The expenditure for the year amounted to Rs. 62,07,661 as against Rs. 43,63,504 for the previous year showing increase of Rs. 18,44,157. This increase is made up of (1) Rs. 10,63,024 under Maintenance of properties etc. and (2) Rs. 7,81,133 under Debt Charges. The expenditure of Rs. 62,07,661 comprises of (1) Rs. 25,07,932 under Maintenance of properties etc. and (2) Rs. 36,99,729 under Debt charges. The net deficit of Rs. 36,75,321 is transferred to Capital Account.

(Suburban Section)

INCOME

25 (3) The total income for the year amounted to Rs. 7,83,180 against Rs. 7,01,555 for the previous year showing a net increase of Rs. 81,625. This is made up of increase of (1) Rs. 25,561 under Rent and other proceeds of Properties and (2) Rs. 56,064 under Miscellaneous receipts.

EXPENDITURE

25 (4) The expenditure for the year amounted to Rs. 41,11,588 as against Rs. 32,54,201 for the previous year showing net increase of Rs. 8,57,387. This is made up of decrease of Rs. 1,25,559 under Maintenance of properties etc. counter-balanced by increase of Rs. 9,82,946 under Debt charges. The expenditure of Rs. 41,11,588 comprises of (1) Rs. 11,22,888 under Maintenance of properties etc. and (2) Rs. 29,88,700 under Debt charges. The net deficit of Rs. 33,28,408 is transferred to Capital Account.

CAPITAL ACCOUNT

(City Section)

26 (1). The Opening Balance on 1st April 1976 was Rs. 27,39,577. The amount of Rs. 1,00,00,000 was received as Loan. Thus the total funds available for expenditure were Rs. 1,27,39,577. The total expenditure amounted to Rs. 30,97,762. The deficit in the General Account amounting to Rs. 36,75,321 was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 59,66,494.

SINKING FUND

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

Amount of Fund on 1st April 1976	Interest etc. realisation	Sinking Fund instalments	Withdrawn for payment of loans	Amount of Fund on 31st March 1977
Rs.	Rs.	Rs.	Rs.	Rs.
95,86,056	5,44,007	8,47,457	..	1,09,77,520

The Sinking Fund on 31st March 1977 amounts to Rs. 1,09,77,520 of which Rs. 1,09,77,380 represent the Book Value of Securities and Rs. 140 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 1977 comes to Rs. 1,09,79,100. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 94,906 and cash with the State Bank of India viz. Rs. 140 brings the total amount of Sinking Fund to Rs. 1,10,74,146 against Rs. 1,02,09,751 the amount to which Sinking Fund should have accumulated upto 31st March 1977. The excess in Sinking Fund Investment Account is thus Rs. 8,64,395.

CAPITAL ACCOUNT

(Suburban Section)

26 (3). The Opening deficit Balance on 1st April 1976 was Rs. 26,62,389. During the year under report the sale proceeds of lands and buildings amounted to Rs. 88,114. The amount of Rs. 1,25,00,000 was raised as loan. The total funds available for expenditure were Rs. 99,25,725. The total expenditure amounted to Rs. 10,00,234. The Deficit in the General Account amounting to Rs. 33,28,408 was transferred to Capital Account. The unspent balance at the close of the year stood at Rs. 55,97,083.

SINKING FUND

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

Amount of Fund on 1st April 1976	Interest etc. realisation	Sinking Fund Instalments	Withdrawn for payment of Loans	Amount of Fund on 31st March 1977
Rs.	Rs.	Rs.	Rs.	Rs.
52,73,959	3,17,044	6,66,638	..	62,57,641

The Sinking Fund as on 31st March 1977 amounts to Rs. 62,57,641 of which Rs. 62,57,571 represent the Book Value of the Securities and Rs. 70 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 1977 comes to Rs. 62,57,600. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 54,065 and cash with the State Bank of India viz. Rs. 70 brings the total amount of the Sinking Fund to Rs. 63,11,735 against Rs. 58,09,961 the amount to which Sinking Fund should have accumulated upto 31st March 1977. The excess in the Sinking Fund Investment Account is thus Rs. 5,01,774.

EDUCATION FUND

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

Revenue Account Budget E	1976-77			Actuals for 1975-76
	Budget Estimates	Revised Estimates	Actuals	
	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	—39,58,000	+21,239	+21,239	+40,963
Income ..	17,81,72,080	18,96,68,726	18,34,38,345	16,79,57,357
Expenditure ..	17,25,02,625	18,78,69,292	17,08,22,894	16,60,49,818
	+56,69,455	+17,99,434	+1,26,15,451	+19,07,539
Balance ..	+17,11,455 (Surplus)	+18,20,673 (Surplus)	+1,26,36,690	+19,48,502
Add—(+)-Decrease or Deduct(—)-Increase in Reservations as shown below			—76,02,748	—19,27,263
Closing Balance			+50,33,942	+21,239

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

Increase / Decrease (+) (—)	1976-77	1975-76
In Miscellaneous Advances ..	+80,92,748	—72,12,737
In Renewed Grants ..	—4,90,000	+91,40,000
Net Increase or Decrease ..	+76,02,748	+19,27,263

(iii) The net unhypothecated Surplus Cash Balance on 31st March 1977 was as under :—

Liabilities	Amount	Assets	Amount
Miscellaneous Advances; ..	Rs. 1,22,38,753	Surplus Revenue Fund as per Appendix No. 31 ..	Rs. 1,72,72,695
Minimum required by Law Surplus Cash Balance ..	20,000 50,13,942		
Total ..	1,72,72,695		1,72,72,695

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

Outstanding Debt on 1st April 1976	Loan Raised during the year	Repayment of Debt during the year	Outstanding Debt on 31st March 1977
Rs. 10,26,00,000	Rs. 2,55,00,000	Rs. 1,25,00,000	Rs. 11,56,00,000

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

Amount of Fund on 1st April 1976	Interest etc. realised	Sinking Fund instalments	Total Sinking Fund	Withdrawal for payment of Loans	Amount of Fund on 31st March 1977
Rs. 3,47,85,175	Rs. 18,40,177	Rs. 36,44,117	Rs. 4,02,69,469	Rs. 1,25,00,000	Rs. 2,77,69,469

The value of Securities held in Sinking Fund Account on the basis of Market rates prevailing on 31st March 1977 including accrued interest and Cash exceeded the actuarial amount of the Sinking Fund by Rs. 80,83,914 which is held in the Sinking Fund Account.

INCOME

(vi) The Estimated Income for the year was Rs. 17,81,72,080 and that as per the Revised Estimates was Rs. 18,96,68,726. The Actuals amounted to Rs. 18,34,38,345 resulting in increase of Rs. 52,66,265 on the Budget Estimates and in decrease of Rs. 62,30,381 on the Revised Estimates. The increase in Income is mainly due to the additional Special Contribution drawn from Budget 'A' to cover the day to day rising expenditure and to meet the old outstanding Liabilities under Budget 'E'. The rates of Education Cess were varying from $\frac{1}{2}$ per cent. to 5 per cent. on slab basis of the rateable value of Buildings and Lands.

EXPENDITURE

(vii) The final sanctioned Grant amounted in the aggregate to Rs. 19,70,91,089 as follows —

Budget Grants ..	Rs. 17,25,02,625
Unexpended Grants for previous year renewed for expenditure ..	1,16,40,000
Additional Grants ..	1,29,48,464
Final sanctioned Grant ..	19,70,91,089

The transfers from one Budget grant to another without affecting the total Budget Provision of the year amounted to Rs. 10,71,800 .

(viii) Against the Final Grant of the year aggregating to Rs. 19,70,91,089 as stated above, the Actuals amounted to Rs. 17,08,22,894 leaving an unexpended balance of Rs. 2,62,68,195 at the close of the year. Of this a sum of Rs. 1,11,50,000 is being renewed for expenditure during 1977-78 against Rs. 1,16,40,000 in 1976-77 and balance viz. Rs. 1,51,18,195 is being allowed to lapse as Savings.

(ix) The percentage of Establishment Costs inclusive of expenditure on Dearness Allowance, Provident Fund and Pension etc., charges to the total expenditure for 1976-77 as compared with the previous year's percentage is given below :—

Establishment	Establishment Cost	Percentage to the total expenditure during	
		1976-77	1975-76
(1) Supervisory and Subordinates	Rs. 12,87,30,261	75.36	73.75
(2) Labour Technical and Others..	1,38,71,181	8.12	8.99
Total ..	14,26,01,442	83.48	82.74

LOAN FUNDS

(x) The opening balance on 1st April 1976 on account of Loan Funds excluding the Trust Fund was Rs.—52,78,920. The amount of new loan proposed in the Budget for 1976-77 was Rs. 150 lakhs. A loan of Rs. 255 lakhs was raised during the year. The total Loan Fund available for expenditure during the year thus amounted to Rs. 2,02,21,080.

The expenditure incurred on Loan Works during the year amounted to Rs. 1,92,08,919 leaving an unexpended balance of Rs. 10,12,161 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.		
1974-75 ..	4,25,65,800	2,67,38,200	1,13,29,828	27	43
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

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

SINKING FUND

(xii) The book value of investments of Sinking Fund as on 31st March 1977 amounts to Rs. 2,77,69,469 made up of Rs. 2,77,69,229 in Securities and Rs. 240 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 1977 comes to Rs. 2,77,75,707. This together with the amount of interest accrued upto 31st March 1977 viz. Rs. 4,57,446 and cash with the State Bank of India Rs. 240 brings the total amount of Sinking Fund to Rs. 2,82,33,393 and more than covers the amount of Rs. 2,01,49,479 to which the Sinking Fund should have accumulated upto 31st March 1977. The excess in Sinking Fund Account was Rs. 80,83,914.

INVESTMENT

(xiii) The total amount invested during the year in Fixed Deposit was Rs. 78,06,000 and the average rate of interest thereon was 7.98 per cent, as against 7.52 per cent. in the preceding year. The interest earned during the year amounted to Rs. 5,63,630 as against Rs. 8,89,325 for 1975-76.

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 1977 (Consolidated).
- No. 5.—Revenue Account Budget 'A' Balance Sheet as at 31st March 1977 (Consolidated).
- No. 7.—Capital Fund Budget 'A' Balance Sheet as at 31st March 1977 (Consolidated).
- No. 8.—Capital works Expenditure Budget 'A' (Summary).
- No. 11.—Out standing Balances of loans on 31st March 1977 pertaining to Budget 'A' (Consolidated).
- No. 15.—Statement showing receipts and expenditure during the year 1976-77 and the balance to the credit of the Municipal General Fund at the close of the year 1976-77 (i.e. 31st March 1977), (Budgets A & B Consolidated)

IMPROVEMENT SCHEMES ACCOUNT
(Budget 'B')

- No. 22.—General Account for the year ending 31st March 1977
- No. 22A.—Slum Clearance (City) General Account for the year ending 31st March 1977.
- No. 22B.—Slum Clearance (Suburbs and Extended Suburbs) General Account for the year ending 31st March 1977.
- No. 25.—Capital Account Balance sheet as on 31st March 1977.
- No. 25A.—Capital Account Balance sheet as on 31st March 1977 Slum Clearance (City).
- No. 25B.—Capital Account Balance sheet as on 31st March 1977 Slum Clearance (Suburbs and Extended Suburbs).
- No. 25C.—Capital Account Balance sheet as on 31st March 1977 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 1977. Pertaining to Budget 'B'. (consolidated)
- No. 30C.—Statement showing position of Housing Loans granted to the Co-operative Housing Societies of the Municipal employees' as on 31st March 1977.

EDUCATION FUND
(Budget 'E')

- No. 31.—Revenue Account for the year ended 31st March 1977.
- No. 34.—Revenue Account Balance Sheet as at 31st March 1977.
- No. 35.—Capital Fund Balance Sheet as at 31st March 1977.
- No. 36.—Statement showing Capital Works Expenditure upto 31st March 1977.
- No. 37.—Out standing Balances of Loans on 31st March 1977 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 1976-77 and the balance at the credit of the fund at the close of the year 1976-77. (i.e. 31st March 1977).

APPENDIX No. 1.

General Financial Statistics.

Particulars.	1972-73.	1973-74.	1974-75.	1975-76.	1976-77.
<i>General</i>					
1. Area of the Greater Bombay (in sq. Kms.)...	437,2258	437,4359	438,2647	438,2763	438,1963
2. Population ...	*59,68,546	*§ 59,70,575	*§ 59,70,575	*§ 59,70,575	*§ 59,70,575
<i>Rates and Assessments.</i>					
3. Rateable value Rs.	93,83,20,352	98,76,66,793	1,06,00,36,477	1,20,63,57,032	1,34,32,51,792
4. Rateable value Rs. per head of population.	157.21	165.42	177.54	202.05	224.98
5. Properties registered in the Assessment Book	2,07,284	2,22,494	2,24,598	2,27,882	2,19,351
<i>Income.</i>					
6. General Tax (@24% of R.V.) ...	18,22,45,094	20,26,54,257	20,93,28,261	24,52,81,650	26,89,11,723
7. Income from other sources ...	42,06,29,398	50,61,29,376	40,57,36,440	45,87,59,475	65,67,08,566
Total Income	60,28,74,492	70,87,83,633	61,50,64,701	70,40,41,125	92,56,20,289
8. Incidence of Taxation per head	88.88	100.73	§§ 81.98	§§ 95.50	§§ 130.42
<i>Loans.</i>					
9. Debt outstanding ...	1,30,74,33,299	1,41,73,21,925	† 61,62,55,427	67,83,68,419	83,25,96,283
10. Redemption and Sinking Funds in hand or invested ...	37,08,77,713	40,73,74,073	† 21,05,84,878	17,89,12,846	20,58,42,401
11. Net Loan Debt ...	93,65,55,586	1,00,99,47,852	† 40,56,70,549	49,94,55,573	62,67,53,882
12. Net Debt per head of population ...	156.92	169.15	† 67.94	83.65	104.97
<i>Expenditure</i>					
13. <i>Water Works—</i>					
Maintenance ...	3,39,34,629	4,59,62,564	†† ...	†† ...	†† ...
Debt Charges ...	6,41,91,171	6,94,41,517	†† ...	†† ...	†† ...
14. Primary Education ...	7,45,35,685	9,25,20,234	8,09,19,561	12,40,72,203	12,15,73,726
15. Medical Relief ...	10,69,69,857	10,89,68,776	12,96,88,026	18,11,70,570	18,31,80,725
16. Other City services ...	30,73,85,807	35,37,84,608	32,61,48,163	37,54,83,857	44,81,06,451
17. Debt Charges ...	5,82,52,166	6,19,07,813	5,48,69,727	6,21,17,289	7,27,09,990
Total Expenditure ...	64,52,69,315	73,25,85,512	59,16,25,477	74,28,43,919	82,55,70,892

* 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.

APPENDIX No. 2

(Consolidated)

Revenue Account for the year ended 31st March 1977

Particulars		Total	Particulars		Total
		Rs. P.		Rs. P.	Rs. P.
To Revenue Expenditure	...	82,55,70,892.67	By Revenue Receipts	...	92,56,20,289.68
By Surplus for the year	...	10,00,49,397.01			
		<u>92,56,20,289.68</u>			<u>92,56,20,289.68</u>
	Rs. P.			Rs. P.	
To Revenue Expenditure to be incurred in 1977-78 and provided for as renewed grants	5,25,00,000.00		By Surplus Revenue Fund as at 1st April 1976	...	6,60,39,572.61
To Balance being Surplus Revenue Fund as at 31st March 1977 as per Appendix No. 5 of Division I	+50,42,86,206.71	3,25,00,000.00	By Surplus for the year	...	10,00,49,397.01
" II	-25,60,73,458.03				<u>16,60,88,969.62</u>
" III	-10,31,23,779.06	14,50,88,969.62	By Revenue of previous years reserved for the year 1976-77	3,15,00,000.00	3,15,00,000.00
		<u>19,75,88,969.62</u>			<u>19,75,88,969.62</u>

Appendix No. 5

(Consolidated)

Revenue Account, Balance Sheet as at 31-3-1977

LIABILITIES	AMOUNT				ASSETS	AMOUNT			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Outstanding liabilities					Deposit in G. P. Notes with S. B. I.				20,20,000.00
Cash Bil outstanding					Deposit in G. P. Notes with C. Rly.				1,02,54,039.88
Budget 'A' Div. I	2,98,243.95				Cash at Bank—				
" II	1,23,900.88				Div. I Credit	1,02,79,358.10			
" III	5,09,918.99				Div. II Credit	61,14,372.48			
			9,32,063.82		Div. III Credit	27,32,861.79			
Cheques payable A/c.					Cash in Office—				Cr.
Budget 'A' Div. I	1,28,42,305.19				Div. I	5,45,35,006.97			1,91,26,592.37
" II	75,77,273.65				Div. II	1,99,90,675.99			
" III	26,68,066.62				Div. III	76,44,839.72			
			2,30,87,645.46						8,21,70,522.68
Stores purchase outstanding A/c.			7,88,313.58		Municipal Loans-Interest Warrant payable Account				
Stock Adjustment A/c.			1,06,288.64		Budget 'A' Div. I	64,42,29			
Outstanding charges for 1976-77 and previous years					" II	3,7,2,25			
Budget 'A' Div. I	3,00,00,000.00				" III	94.00			68,230.54
" II	1,50,00,000.00				B.I.T. Loans Interest Warrant payable Account				6,054.55
" III	75,00,000.00				Interest on B.I.T. Loans payable Account				760.00
			5,25,00,000.00		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	11,79,191.50			
Budget 'A' Div. I	56,81,438.79				" III	1,46,443.02			3,25,634.52
" II	36,43,916.06				Current Account with State Bank of India for repayment payable A/c.				10,500.00
" III	19,94,519.30				Interest Receivable Account				14,75,000.00
			1,13,19,874.2		Due for Stores Sold				2,81,44,098.03
Deposit in Cash, and Public Securities from contractors and Private Parties					Advances Recoverable Account				
Budget 'A' Div. I	20,84,76,152.26				Budget 'A' Div. I	12,32,45,663.56			
" II	17,26,30,658.23				" II	3,94,18,714.21			
" III	6,44,84,827.09				" III	96,49,834.59			17,23,14,212.36
			44,55,91,637.58		Contribution receivable from Budt.E Reserve Stores purchase A/c.				27,65,288.00
Interest on loans payable A/c.					Deposit in Securities from public with State Bank of India				88,852.45
Budget 'A' Div. I	4,40,013.10				Budget 'A' Div. I	56,96,740.00			
" II	1,68,976.96				" II	7,76,790.12			
" III	1,15,979.00				" III	4,03,450.00			68,78,980.12
			7,33,969.06		In Office.				
Amount Payable to Budget C			21,65,87,145.71		Budget 'A' Div. I	3,89,000.00			
Amount of accumulated Revenue Surplus Payable by Budget A to Budget C			10,66,42,219.57		" II	3,81,560.00			
					" III	5,81,530.00			13,52,170.00
					Investment in Securities Fixed Deposit & current A/c.				41,82,45,280.29
					Investment of Surplus Monies in Public Securities				38,013.14
					Advance from Surplus Monies for levelling metalling of Private Streets				31,27,036.33
					Accumulated Revenue Surplus of Water Works Account as on 31-3-1974				10,66,42,219.54
					Unadjusted Reserve Stores A/c. Stock				2,21,04,758.24
					Unadjusted Reserve Stores A/c. Stores (F. R.)				8,16,869.91
					Advance from Surplus Monies for Capital Works—				
					Budget 'A' Div. I	87,01,948.28			
					" II	29,71,860.42			
					" III	8,17,337.04			1,24,90,145.74
					Advances from Surplus Monies for purchase of Plant and Machinery				2,04,834.56
					Capital Stores Purchase A/c.				55,23,110.87
					Advances Reserve Stores 14 D				3,49,138.12
Total C. F..			85,82,89,157.61		Total C. F.				85,82,89,157.60

Appendix No. 5—Contd.

(Consolidated)

LIABILITIES	AMOUNT		ASSETS	AMOUNT	
	Rs.	P.		Rs.	P.
Total B.O.			Total B.O....		85,82,89,157.60
Special Fund Account.			Investment of Special Fund in advance for purchase of Plant and Machinery.		
Municipal Fire and Accident Insurance Fund A/c. ..		44,59,026.01	Advance from Net Premia Fund for Municipal Printing Press		5,021.94
Net Premia Fund Account ..		18,23,707.33	Municipal Fire & Accident Insurance Fund ..		29,68,191.24
Provident Fund Account ..		36,33,02,373.45	Net Premia Fund ..		17,58,835.43
Hospital Fund Account ..			K. E. M. Hospital G. S. M. ..		14,136.12
Budget 'A' Div. I ..	20,14,383.72		College Research Fund ..		13,72,734.51
" II ..	1,41,691.87		Hospital Fund ..		85,81,814.30
" III ..	94,500.00		Land R. A. Fund ..		
		22,50,575.59	Investment of Special Fund in Securities.		
G. S. M. College K. E. M. Hospital Research Fund A/c.		1,45,070.85	Provident Fund ..		36,33,07,328.81
Fidelity Guarantee Insurance Fund A/c.		6,44,897.05	Fidelity Guarantee Ins. Fund ..		6,44,800.00
Motor Vehicles (Third party) Insurance Fund A/c.		9,71,054.14	Motor Vehicles (Third Party) Ins. Fund ..		9,21,008.00
Law J. R. A. Fund Account ..		1,28,48,594.77	Endowment Fund ..		13,58,673.29
Pension Fund Account ..		17,55,07,003.34	Public Monument Maintenance Fund		
Gratuity Fund Account ..		1,44,98,586.78	Budget 'A' Div. I ..	1,22,820.44	
Public Monument Maintenance Fund Account ..			" II ..	16,300.00	
Budget 'A' Div. I ..	1,22,912.44		Hospital Fund		1,39,120.44
" II ..	16,317.94		Budget 'A' Div. II ..	1,41,600.00	
		1,39,230.38	" III ..	94,500.00	
Endowment Fund Account ..		13,60,391.44			2,36,100.00
Development Fund for Secondary Schools ..		10,85,804.81	Investment of Special Funds in Fixed Deposit and Cash etc.		
Tree Authority Fund ..		1,03,256.00	Municipal Fire and Accident Insurance Fund ..		14,90,834.77
Total Special Fund A/c. ..		57,91,45,571.94	Net Premia Fund ..		59,849.96
Surplus Revenue Fund A/c.			Provident Fund ..		44.64
Budget 'A' Div. I ..	50,42,86,206.71		Hospital Fund		
Deficit " II ..	25,60,73,458.03		Budget 'A' Div. I ..	6,41,649.21	6,41,741.08
Deficit " III ..	10,31,23,779.66		" II ..	91.87	
		4,50,88,969.62			
Total C.F.		1,58,25,23,699.16	Total C.F.		38,34,95,232.53
			Total C.F.		85,82,89,157.60

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

LIABILITIES	Amount				ASSETS	Amount			
	Rs.	P.	Rs.	P.		Rs.	P.	Rs.	P.
Total B.O....			1,58,25,23,699.16		Total B O ..				85,82,89,157.60
					Total B.O. ...				38,31,95,232.53
					G. S.M. College and K.E. M. Hospital Research Fund ..				1,30,954.79
					Fidelity Guarantee Insurance Fund ..				97.05
					Land R. A. Fund ..				42,66,780.47
					Motor Vehicle (Third Party) Insurance Fund ..				50,054.14
					Pension Fund ..				17,55,07,003.34
					Gratuity Fund ..				1,44,98,586.78
					Endowment Fund ..				1,712.15
					Public Monument Maintenance Fund.				
					Budget 'A' Div. I ..	92.00			
					" II ..	17.94			
									109.94
									44.71
					Development Fund for Seco- ndary Schools ..				10,86,884.81
					Tree Authority Fund ..				1,08,256.00
					Total Investment Special Fund				57,91,45,571.94
					Investment of Surplus Revenue Fund				
					Stock—(Appendix 14 D)				38,70,155.51
					Plant & Machinery Purchased out of S.C.B. ..				
					Budget 'A' Div. I ..	21,819.76			
					" II ..				
					" III ..	11,576.33			
									33,396.09
					Advances out of S.C.B. Budget 'A' Div. I ..	4,60,07,661.76			
					" II ..	4,11,92,436.20			
					" III ..	1,89,28,745.97			
									10,61,28,843.93
					Investment in Paper Deposit and Cash ..				3,50,56,574.69
					Total Surplus Revenue Fund ..				14,50,88,969.62
Grand Total...			1,58,25,23,699.16		Grand Total ..				1,58,25,23,699.16

Investments in Surplus Fund

Budget 'A'	Paper	Fixed Deposit	Interest bearing Current A/c.	State Bank of India	Total
	Rs.	Rs.	Rs.	Rs.	Rs.
Division I	17,26,74,000.00	21,77,58,200.00	1,80,78,904.74	5,10,678.51	40,90,21,783.25
Division II	3,04,38,427.20	...	45,01,342.75	36,105.09	3,49,75,875.04
Division III	57,97,750.00	..	35,00,126.04	6,320.65	93,04,196.69
Total	20,89,10,177.20	21,77,58,200.00	2,60,80,373.53	5,53,104.25	45,33,01,54.98

APPENDIX No. 7 (Consolidated)

CAPITAL FUND BALANCE SHEET AS AT 31ST MARCH 1977 (Budget 'A').

PARTICULARS	LIABILITIES					ASSETS				
	Div. I		Div. II	Div. III	Total	PARTICULARS	Div. I	Div. II	Div. III	Total
	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
Loan Outstanding Due to Public		41,10,96,968.21	27,10,96,603.00	13,58,83,929.00	81,80,77,500.21	BLOCK ACCOUNT—				
Advances from Special Funds		1,45,18,783.58			1,45,18,783.58	Loan Funds—				
Advances from Surplus monies		66,27,133.86	29,70,860.42	8,17,337.04	83,25,96,283.79	Property and Assets at original cost	70,09,58,946.02	36,14,45,700.44	15,91,63,583.02	1,22,15,68,272.28
Trust Fund Account—										
Donation from—										
The Trustees of the late Justice Badruddin Tyabji Memorial Fund for the Construction of Orchard House at Victoria Garden		1,694.50			1,694.50					
Reserve Bank of India for construction of a ward 38/40 beds for accommodating their sick employees in K. E. M. Hospital		48,417.39			48,417.39					
					50,111.89					
SURPLUS—						TRUST FUND—				
Capital Assets at Original Cost Over Liabilities Sinking Fund on Loans		36,29,66,712.53	8,47,40,624.37	4,47,02,311.48	49,24,09,648.38	Expenditure	83,21,989.47	3,27,408.00		86,49,397.47
Contribution from Special Fund		8,03,171.02			8,03,171.02	MUNICIPAL LAND AND BUILDINGS FUND—				
Do. Revenue for Loan Works Establishment		17,869.98			17,869.98	Land purchased and Buildings erected	43,03,043.42			43,03,043.42
Do. Port Trust		1,56,500.00			1,56,500.00	SINKING FUND—				
Do. Government for Schools		5,00,000.00			5,00,000.00	Investments	36,29,66,712.53	8,47,40,624.37	4,47,02,311.48	49,24,09,648.38
Do. Government for widening the Lova Grove Bridge		91,234.00			91,234.00	Amount reserved for Capital Segwa	2,67,39,953.48			2,67,39,953.48
Do. Land and Buildings Fund		43,03,043.42			43,03,043.42	Loan and Trust Funds—				
Do. Development Fund		1,29,89,110.46			1,29,89,110.46	In Securities		97,800.00		97,800.00
Do. Revenue towards Bai Jerbai Wadia Hospital for Children		7,00,000.00			7,00,000.00	In Fixed Deposits	50,100.00			50,100.00
Do. Trust Fund		83,21,989.47	4,25,215.69		87,47,205.16	In Cash	11.89	7.69		19.58
Do. Trustees Gokaldas Tejpal Charities		18,123.64			18,123.64					
Do. Budget 'A' Division I			3,00,000.00		3,00,000.00					
Grant-in-aid from Govt. for widening the Road in Colaba Division		12,975.87			12,975.87					
Loan Redemption Fund	32,70,04,034.50		8,73,50,171.58	2,24,62,319.78	43,68,16,575.86					
Less: Assets written off	4,67,37,815.62	28,02,67,068.88	2,71,934.56		4,70,08,950.18					
			8,70,78,237.02	2,24,62,319.78	38,98,07,625.68					
					91,08,54,907.61					
Grand Total		1,10,33,40,796.81	44,66,11,540.50	23,38,65,897.30	1,75,38,18,234.61	Grand Total	1,10,33,40,796.81	44,66,11,540.50	23,38,65,897.30	1,75,38,18,234.61

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

CAPITAL ACCOUNT	TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1976.				CAPITAL WORKS EXPENDITURE DURING THE YEAR 1976-77				TOTAL CAPITAL WORKS EXPENDITURE UPTO 31ST MARCH 1977.			
	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.	2,82,67,586	57,86,727	38,28,512	3,48,82,825	26,93,007	14,14,676	2,12,889	43,20,572	2,79,60,593	72,01,403	40,41,401	3,92,03,397
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.	9,99,702	67,040		10,66,742	3,46,810			3,46,810	13,46,512	67,040		14,13,552
V.—Public Health Department	1,47,05,782	21,01,972	12,75,711	1,80,83,465	1,09,212	1,84,565	3,60,189	6,53,966	1,48,14,994	22,86,537	16,35,900	1,87,37,431
VI.—Medical Relief & Education	10,15,39,165	2,85,71,321	1,45,08,300	14,46,18,786	58,58,907	33,59,860	26,70,358	1,18,89,125	10,73,98,072	3,19,31,181	1,71,78,658	15,65,07,911
VII.—Street Cleansing and Conservancy	1,36,95,965	15,15,450	54,96,610	2,07,08,025	33,63,079	10,72,995	13,01,076	57,37,150	1,70,59,044	25,88,445	67,97,686	2,64,45,175
VIII.—Roads, S. W. Drains etc.	25,33,08,094	19,15,19,599	8,65,44,997	53,13,72,690	12,58,941	1,59,39,482	83,39,436	2,55,37,859	25,45,67,035	20,74,59,081	9,48,84,433	55,69,10,549
IX.—Mechanical	37,11,597	50,501	17,075	37,79,173					37,11,597	50,501	17,075	37,79,173
X.—Bldg. Land Acqn. etc.	8,99,07,997	2,94,38,075	72,02,918	12,65,48,990	41,30,850	12,14,184	Cr. 5,32,981	48,12,053	9,40,38,847	3,06,52,259	66,69,937	13,13,61,043
XI.—Fire Brigade	71,31,137	16,16,508	32,18,544	1,19,66,189	9,96,844	Cr. 60,822	7,83,520	17,19,542	81,27,981	15,55,686	40,02,064	1,36,85,731
XIII.—Gardens & Open Spaces	1,87,87,018	55,73,634	26,39,467	2,70,00,119	8,07,554	3,88,085	7,76,195	19,71,834	1,95,94,572	59,61,719	34,15,662	2,89,71,953
XIV.—Markets & Slaughter Houses	7,99,54,914	96,12,729	18,54,912	9,14,22,555	47,60,325	19,35,252	18,432	67,14,009	8,47,15,239	1,15,47,981	18,73,344	9,81,36,564
XV.—Slum Service	50,75,492	39,36,181	11,42,167	1,01,53,840			Cr. 1,018	Cr. 1,018	50,75,492	39,36,181	11,41,149	1,01,57,822
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	96,57,330	80		96,57,410	6,443			6,443	96,63,773	80		96,63,853
XXIII.—Traffic Operations					1,64,12,208	3,49,66,485	1,68,44,206	6,82,22,899	1,64,12,208	3,49,66,485	1,68,44,206	6,82,22,899
Suspense Account, Mechanical Transport Plant and Machinery out of different Special Funds	2,75,16,880	46,37,268	3,74,134	4,00,84,123	Cr. 1,29,42,273	99,486		1,23,486	1,45,74,607	47,36,754	3,74,134	2,71,41,830
Plant and Machinery out of Loan Funds		1,21,93,109			1,82,47,955	32,18,407	2,40,839	2,17,07,201	1,82,47,955	32,18,407	2,40,839	2,17,07,201
Centenary Celebration Works			1,875	1,875		9,68,828		9,68,828		9,68,828	1,875	9,70,703
Discount & Other charges on Loans	3,60,237		45,223	4,05,460					3,60,237		45,223	4,05,460
Total (1) Loan Fund	65,48,85,125	29,67,44,218	12,81,50,445	1,07,97,79,788	4,60,73,862	6,47,01,483	3,10,13,141	14,17,88,486	70,09,58,987	36,14,45,701	15,91,63,586	1,22,15,68,274
(2) Trust Fund												
Works executed	81,15,155	3,27,408		84,42,563	1,26,834			1,26,834	82,41,989	3,27,408		85,69,397
Land Bldg. Fund												
Land purchased and Buildings erected	43,03,044			43,03,044					43,03,044			43,03,044
Grand Total	66,73,03,324	29,70,71,626	12,81,50,445	1,09,25,25,395	4,62,00,696	6,47,01,483	3,10,13,141	14,19,15,320	71,35,04,020	36,17,73,109	15,91,63,586	1,23,44,40,719

APPENDIX No. 11.
(CONSOLIDATED)

Outstanding Balances of Loans on 31st March 1977 pertaining to Budget 'A'

Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1977.	Serial No.	Particulars of Loans	Rate of Interest per annum	Outstanding Loan Balance on 31st March 1977.
1	2	3	4	1	2	3	4
	BUDGET 'A' DIV. I. Loans raised from Public		Rs.		BUDGET 'A' DIV. II. Loans raised from Public		Rs.
1	Rs. 10 lakhs for converting the storm water Reservoir at Clerk Road into a Public Park (1920)	5%	10,00,000.00	41	Rs. 10 lakhs Loan 1960-61	4½%	10,00,000.00
2	Rs. 75 lakhs Loan 1947-48	3½%	75,00,000.00	42	Rs. 50 lakhs Loan 1961-62	4½%	50,00,000.00
3	Rs. 61 lakhs Loan 1948-49	3%	61,00,000.00	43	Rs. 50 lakhs Loan 1963-64	4½%	50,00,000.00
4	Rs. 125 lakhs Loan 1949-50	3½%	88,14,500.00	44	Rs. 70 lakhs Loan 1964-65	4½%	70,00,000.00
5	Rs. 80 lakhs Loan 1950-51	3½%	80,00,000.00	45	Rs. 100 lakhs Loan 1965-66	5½%	1,00,00,000.00
6	Rs. 130 lakhs Loan 1956-57	4%	1,30,00,000.00	46	Rs. 50 lakhs Loan 1965-66	6%	50,00,000.00
7	Rs. 100 lakhs Loan 1957-58	4½%	1,00,00,000.00	47	Rs. 75 lakhs Loan 1966-67	5½%	75,00,000.00
8	Rs. 100 lakhs Loan 1958-59	4½%	1,00,00,000.00	48	Rs. 50 lakhs Loan 1966-67	6%	50,00,000.00
9	Rs. 170 lakhs Loan 1960-61	4½%	1,70,00,000.00	49	Rs. 45 lakhs Loan 1967-68	6%	45,00,000.00
10	Rs. 225 lakhs Loan 1961-62	4½%	2,25,00,000.00	50	Rs. 50 lakhs Loan 1967-68	6%	50,00,000.00
11	Rs. 150 lakhs Loan 1962-63	4½%	1,50,00,000.00	51	Rs. 75 lakhs Loan 1968-69	6%	82,50,000.00
12	Rs. 235 lakhs Loan 1963-64	4½%	2,35,00,000.00	52	Rs. 50 lakhs Loan 1968-69	6%	50,00,000.00
13	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
14	Rs. 250 lakhs Loan 1965-66	5½%	2,50,00,000.00	54	Rs. 220 lakhs Loan 1970-71	6%	2,42,00,000.00
15	Rs. 300 lakhs Loan 1965-66	6%	3,00,00,000.00	55	Rs. 170 lakhs Loan 1970-71	6%	1,87,00,000.00
16	Rs. 200 lakhs Loan 1965-66	6%	2,00,00,000.00	56	Rs. 350 lakhs Loan 1971-72	6%	3,85,00,000.00
17	Rs. 250 lakhs Loan 1966-67	5½%	2,50,00,000.00	57	Rs. 150 lakhs Loan 1972-73	6%	1,65,00,000.00
18	Rs. 400 lakhs Loan 1966-67	6%	4,00,00,000.00	58	Rs. 100 lakhs Loan 1972-73	6%	1,00,00,000.00
19	Rs. 250 lakhs Loan 1966-67	6%	2,50,00,000.00	59	Rs. 100 lakhs Loan 1973-74	6%	1,10,00,000.00
20	Rs. 2,90,95,000 Loan 1967-68	6%	2,90,95,000.00	60	Rs. 100 lakhs Loan 1973-74	6%	1,00,00,000.00
21	Rs. 200 lakhs Loan 1967-68	7%	2,00,00,000.00	61	Rs. 150 lakhs Loan 1974-75	6½%	1,65,00,000.00
22	Rs. 800 lakhs Loan 1967-68	6%	8,00,00,000.00	62	Rs. 100 lakhs Loan 1974-75	6½%	1,00,00,000.00
23	Rs. 400 lakhs Loan 1968-69	6%	4,40,00,000.00	63	Rs. 150 lakhs Loan 1975-76	6½%	1,65,00,000.00
24	Rs. 300 lakhs Loan 1968-69	7%	3,00,00,000.00	64	Rs. 250 lakhs Loan 1975-76	6½%	2,50,00,000.00
25	Rs. 325 lakhs Loan 1968-69	6%	3,25,00,000.00	65	Rs. 200 lakhs Loan 1976-77	6½%	2,20,00,000.00
26	Rs. 6,15,98,000 Loan 1969-70	6%	6,15,98,000.00	66	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00
27	Rs. 600 lakhs Loan 1969-70	7%	6,00,00,000.00	67	Rs. 250 lakhs Loan 1976-77	6½%	2,50,00,000.00
28	Rs. 100 lakhs Loan 1970-71	6%	1,15,41,000.00		Total		35,31,50,000.00
29	Rs. 370 lakhs Loan 1971-72	6%	4,07,00,000.00		Less : Loan amount transferred to Budget 'C'		-8,20,53,397.00
30	Rs. 260 lakhs Loan 1972-73	6%	2,86,00,000.00		Total Div. II		27,10,96,603.00
31	Rs. 200 lakhs Loan 1972-73	6%	2,00,00,000.00		BUDGET 'A' DIV. III. Loans raised from Public		
32	Rs. 400 lakhs Loan 1972-73	6%	4,00,00,000.00	68	Rs. 25 lakhs Loan 1957-58	4½%	25,00,000.00
33	Rs. 400 lakhs Loan 1973-74	6%	4,40,00,000.00	69	Rs. 20 lakhs Loan 1958-59	4½%	20,00,000.00
34	Rs. 250 lakhs Loan 1973-74	6%	2,50,00,000.00	70	Rs. 10 lakhs Loan 1960-61	4½%	10,00,000.00
35	Rs. 250 lakhs Loan 1974-75	6½%	2,50,00,000.00	71	Rs. 25 lakhs Loan 1964-65	4½%	25,00,000.00
36	Rs. 150 lakhs Loan 1974-75	6½%	1,65,00,000.00	72	Rs. 50 Lakhs Loan 1965-66	6%	50,00,000.00
37	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00	73	Rs. 50 lakhs Loan 1966-67	5%	50,00,000.00
38	Rs. 400 lakhs Loan 1975-76	6½%	4,00,00,000.00	74	Rs. 40 lakhs Loan 1966-67	6%	40,00,000.00
39	Rs. 225 lakhs Loan 1976-77	6½%	2,47,50,000.00	75	Rs. 35 lakhs Loan 1967-68	6%	35,00,000.00
40	Rs. 300 lakhs Loan 1976-77	6½%	3,00,00,000.00	76	Rs. 20 lakhs Loan 1967-68	6%	20,00,000.00
	Total		1,00,16,98,500.00	77	Rs. 55 lakhs Loan 1966-67	6%	55,00,000.00
	Less : Loan amount transferred to Budget 'C'		-59,06,01,531.00	78	Rs. 75 lakhs Loan 1969-70	6%	82,50,000.00
	Total Div. I.		41,10,96,969.00	79	Rs. 165 lakhs Loan 1970-71	6%	1,81,50,000.00
				80	Rs. 115 lakhs Loan 1970-71	6%	1,26,50,000.00
				81	Rs. 150 lakhs Loan 1971-72	6%	1,65,00,000.00
				82	Rs. 150 lakhs Loan 1972-73	6%	1,65,00,000.00
				83	Rs. 100 lakhs Loan 1972-73	6%	1,00,00,000.00
				84	Rs. 100 lakhs Loan 1973-74	6%	1,10,00,000.00
				85	Rs. 50 lakhs Loan 1973-74	6%	50,00,000.00
				86	Rs. 50 lakhs Loan 1974-75	6½%	55,00,000.00
				87	Rs. 50 lakhs Loan 1974-75	6½%	50,00,000.00
				88	Rs. 100 lakhs Loan 1975-76	6½%	1,10,00,000.00
				89	Rs. 50 lakhs Loan 1975-76	6½%	50,00,000.00
				90	Rs. 150 lakhs Loan 1976-77	6½%	1,37,50,000.00
				91	Rs. 125 lakhs Loans 1976-77	6½%	75,00,000.00
				92	Rs. 75 lakhs Loan 1976-77	6½%	1,50,00,000.00
					Total		-19,38,00,000.00
					Less : Loan amount transferred to Budget 'C'		-5,79,16,071.00
					Total Div. III.		13,58,83,929.00
					Grand Total Budget 'A'		81,80,77,500.21

Outstanding Balances of Advances taken from Special Funds under Budget 'A' as at 31st March 1977.

BUDGET 'A', Division I, Advance from—

	Rs.	Rs.
Municipal Fire and Accident Insurance Fund	29,68,191.24	
Net Premia Fund	19,63,669.99	
K. E. M. Hospital and G. S. M. College Research Fund	14,136.12	
Hospital Fund	13,72,734.51	
Land (Reclamation and Acquisition) Fund	85,81,814.30	
Less—Amount of the Advances transferred to Budget 'G'		1,49,00,546.16
Total—Outstanding balance of Advances as on 31st March 1977		3,81,762.98
		1,45,18,783.58

APPENDIX-15

(Consolidated)

Budgets 'A' and 'B'

Statement showing Receipts and Expenditure during the year 1976-77 and balance to the credit of the Municipal General Fund at the close of the year i. e. 31st March 1977.

Account Heads	Division I	Division II	Division III	Total Budget A,
	Rs. P.	Rs. P.	Rs. P.	Rs. P.
BUDGET 'A'				
RECEIPTS				
(A) Revenue Account Receipts				
1. General Tax, Indirect Taxation and Miscellaneous Revenue				
A—General Tax.	15,47,02,889.14	7,83,49,701.63	3,58,59,131.70	26,89,11,722.49
B—Octroi.	43,82,81,035.55	..	..	43,82,81,035.55
BB—Theatre Tax	18,84,311.15	10,14,840.30	4,52,803.10	33,51,954.55
C—Other Receipts				
(a) Grant-in-Aid of Fees for land conveyance, Music etc. Licenses	10,694.50	..	..	10,694.50
(b) Grant-in-Aid in respect of Fines for Offences against the Law	27,40,847.61	..	..	27,40,847.61
(c) Interest and Profit on Investment of Surplus Loan and Other Balances	70,65,323.15	7,61,420.97	2,36,012.41	80,62,756.43
(d) Interest on Plant and Machinery Depreciation Fund	9,56,238.21	..	..	9,56,238.21
(e) Miscellaneous	84,42,587.49	16,90,415.15	5,84,691.10	1,07,17,693.74
(f) Receipts on account of Municipal Journal	8,746.05	..	..	8,746.05
D—Receipts on account of proportionate Cost of Collection of Education Cess	3,14,072.19	1,66,705.38	64,765.62	5,45,543.19
E—Rebate from Govt. on account of collection of Education Cess	7,28,000.00	4,57,439.15	2,26,560.85	14,12,000.00
	<u>61,51,34,745.04</u>	<u>8,24,40,522.60</u>	<u>3,74,23,964.78</u>	<u>73,49,99,232.42</u>
3. Museums.	42,177.86	..	..	42,177.86
4. Free Reading Rooms and Libraries.	1,81,73,493.08	74,450.85	2,160.00	1,82,50,103.93
5. Public Health Department.	26,61,692.19	9,38,688.28	4,17,860.63	40,18,241.10
6. Medical Relief and Education.	32,95,418.44	3,33,552.43	39,297.59	36,68,268.46
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service				
B—Other Receipts.	27,31,082.78	5,70,881.77	3,05,124.06	36,07,088.61
C—Tax on Dogs	80,041.71	37,187.75	11,671.55	1,28,901.01
	<u>28,11,124.49</u>	<u>6,08,069.52</u>	<u>3,16,795.61</u>	<u>37,35,989.62</u>
9. Mechanical.	3,29,156.78	73,182.85	Dr. 257.81	4,02,091.82
10. Buildings, Land Acquisition and Management.				
A—Sale Proceeds of Surplus Land.	28,804.94	..	..	28,804.94
B—Other Receipts.				
(a) Rent of Buildings	29,43,505.86	2,91,118.94	34,331.23	32,68,956.03
(b) Ground Rent.	7,93,235.43	17,069.84	13,432.60	8,23,737.87
(c) Miscellaneous	71,88,334.56	1,01,02,542.73	35,64,012.47	2,08,54,889.76
C—Contribution from Capital Funds on account of Special Land Acquisition Staff.	64,936.73	..	..	64,936.73
	<u>1,10,18,817.52</u>	<u>1,04,10,731.51</u>	<u>36,11,776.30</u>	<u>2,50,41,325.33</u>
11. Fire Brigad				
A—Fire Tax	88,17,007.52	42,66,002.86	20,36,021.31	1,51,19,031.69
B—Other Receipts	95,203.42	6,353.22	7,825.38	1,09,382.02
	<u>89,12,210.94</u>	<u>42,72,356.08</u>	<u>20,43,846.69</u>	<u>1,52,28,413.71</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.	1,02,99,923.92		47,32,730.77		27,68,371.21		1,78,01,025.90	
B—Removal on Encroachments on Public Streets etc.	91,36,180.14		16,03,975.17		5,99,528.42		1,13,39,683.73	
C—Receipts from Administration of Shops and Establishment Act.	7,44,950.40		2,18,704.66		1,14,824.26		10,78,479.32	
D—Miscellaneous	41,03,357.22		6,14,475.64		84,588.84		48,02,421.70	
	<u>2,42,84,411.68</u>		<u>71,69,886.24</u>		<u>35,67,312.73</u>		<u>3,50,21,610.65</u>	
13. Gardens and Open Spaces.	10,85,410.85		2,50,488.86		1,51,624.27		14,87,523.98	
14. Markets and Slaughter Houses.	2,95,48,785.45		14,43,957.68		6,19,420.58		3,16,12,163.71	
15. Contribution from Capital Funds to Revenue Account of Loan Works Staff	12,35,869.77		15,45,380.08		8,91,134.21		36,72,384.06	
16. Extra Ordinary Receipts.	4,506.17						4,506.17	
17. Rebate from Govt. on Account of Collection of U.I.P. Tax.			416.03				416.03	
19. Receipts From Govt. on account of Urban Immoveable Property Tax.			5,232.63		57.06		5,289.69	
21. Rebate from Govt. on account of collection of House Repairs Cess	18,75,000.00						18,75,000.00	
22. Share in Entertainment Tax.	1,18,72,505.73						1,18,72,505.73	
23. Traffic Operations, Roads and Bridges.								
A—Wheel Tax,	1,69,13,021.54		55,48,512.52		14,14,853.41		2,38,76,387.47	
B—Contributions from Govt. in lieu of Tolls.	24,954.54		16,673.00		3,964.00		45,591.54	
C—Other Receipts	62,09,416.57		20,14,484.21		19,42,972.36		1,01,66,873.14	
D—Ferry Receipts			5,93,795.04		408.22		5,94,203.26	
	<u>2,31,47,392.65</u>		<u>81,73,464.77</u>		<u>33,62,197.99</u>		<u>3,46,83,055.41</u>	
Total (A) Revenue Receipts.	<u>75,54,32,718.64</u>		<u>11,77,40,380.41</u>		<u>5,24,47,190.63</u>		<u>92,56,20,289.68</u>	
(B) Capital Account Receipts								
Loan Funds—Capital Receipts								
Debt Principal—New Loans of 1976-77.	5,47,50,000.00		7,70,00,000.00		3,62,50,000.00		16,80,00,000.00	
Advance from Surplus Monies for Financing Loan Works Expenditure.	43,18,969.42		29,70,860.42		8,17,337.04		81,07,166.88	
Advances from Surplus Monies for Purchase of Plant and Machinery	Dr. 68,73,838.00						Dr. 68,73,838.00	
	<u>5,21,95,131.42</u>		<u>7,99,70,860.42</u>		<u>3,70,67,337.04</u>		<u>16,92,33,328.88</u>	
(C) Suspense Account Receipts								
I—Sinking and Special Fund Accounts								
Sinking Fund Account (Municipal)	5,18,11,383.00		1,49,22,169.13		82,74,176.13		7,50,07,728.26	
Special Fund Account	11,94,61,477.13						11,94,61,477.13	
Total—I (S.S.S. Funds)	<u>17,12,72,860.13</u>		<u>1,49,22,169.13</u>		<u>82,74,176.13</u>		<u>19,44,69,205.39</u>	
II—Paper and Cash Accounts								
1. Sinking Fund.	4,13,22,504.29		68,31,923.57		19,82,947.86		5,01,37,375.72	
2. Special Funds.	25,57,38,163.39		7,419.46				25,57,45,582.85	
3. Surplus Fund.	30,22,00,045.38		4,42,33,489.93		2,50,64,848.17		37,14,98,383.48	
4. Loan Fund.	33.93						33.93	
State Bank of India and Other Local Banks on account of Savings Deposits	1,17,96,18,778.24		12,61,15,118.73		5,62,41,631.25		1,36,19,75,528.22	
	<u>1,77,88,79,525.23</u>		<u>17,71,87,951.69</u>		<u>8,32,89,421.28</u>		<u>2,03,93,56,904.20</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—								
Deposit Account ..	1,90,02,87,537.80		16,33,18,733.12		6,18,69,044.47		2,12,54,75,315.39	
Reserve Stores Account ..	5,43,12,100.77						5,43,12,100.77	
Capital Stores Accounts ..	6,66,68,428.33						6,66,68,428.33	
Purchase of Petrol & Diesel Oil ..	17,82,965.70		16,33,323.49		19,430.40		34,35,719.59	
Advances to Public including Co. operatives for Housing purposes.	11,30,948.75						11,30,948.75	
Advances Departmental Works ..	44,48,374.61		23,90,239.87		3,27,110.07		71,65,724.55	
Advances Deptt. Works—Traffic Amenities.			3,10,602.34		12,512.23		3,23,114.57	
Advances Municipal Workshops ..	18,41,886.14						18,41,886.14	
Municipal Foundry ..	4,86,809.75						4,86,809.75	
Worli Crushers ..	1,00,396.47						1,00,396.47	
Mechanical Transport ..	1,64,50,119.50		64,60,206.16				2,29,10,325.66	
Asphalt Plant ..	41,61,907.92						41,61,907.92	
Municipal Printing Press ..	68,78,641.41						68,78,641.41	
Rota Printing Unit ..	3,54,959.64						3,54,959.64	
Advances Private Works ..	12,31,606.13		39,941.68		36,756.99		15,23,304.80	
Advances Private Works Traffic Amenities ..			53,091.35		26,249.54		79,340.89	
Reinstatement of Trenches ..	44,69,747.77		19,80,951.64		Dr.— 58,697.00		63,92,002.41	
Advances Special Funds, Welfare Fund ..	1,19,75,904.16				30.00		1,19,75,934.16	
Municipal Contractors ..	3,35,896.15		3,876.54		2,665.13		3,42,437.82	
Municipal Tenderers ..	8.50						8.50	
Sundry Advances, Miscellaneous ..	9,05,51,104.28		1,74,09,709.03		92,51,761.86		11,72,12,575.17	
Advances for Demolition of Unauthorised Structures and for removal of unsafe Buildings.	12,89,891.01		14,118.77		11,086.15		13,15,095.93	
Advances for conversion of Basket Privies etc.			500.00				500.00	
Advances to Municipal Officers ..	4,97,205.46		54,690.74		7,883.00		5,59,779.20	
Interest Accrued But Not Paid ..	3,62,152.78		7,02,951.39		2,82,291.67		13,47,395.84	
Provident Fund ..	5,69,73,651.68		80,31,896.80		27,76,134.03		6,77,81,682.51	
Fines Fund ..	25,620.33						25,620.33	
B.M.C. Loans Interest Warrants Payable A/c.	1,79,94,759.42		1,13,28,369.98		65,22,343.25		3,58,45,472.65	
Fidelity Guarantee Insurance Fund ..	2,499.05						2,499.05	
Dishonoured Cheques ..	1,90,94,391.19		63,34,311.43		30,96,889.35		2,85,25,591.99	
Cash Bills Outstanding Accounts ..	3,67,541.57		23,727.47		10,403.20		4,01,672.24	
Cheques Payable ..	3,12,52,01,641.93		42,65,14,611.12		17,92,23,081.42		3,73,09,39,334.47	
Wages Deposit Account ..	1,75,45,838.57		45,50,186.19		17,95,161.88		2,38,91,186.64	
Loan Redemption Fund Municipal ..	1,17,72,133.08		20,00,003.00				1,37,72,136.08	
Repayment of Loans ..			54,99,997.00				54,99,997.00	
Interest on B.M.C. Loans Payable Account ..	4,49,013.10		83,573.75		58,045.00		5,90,631.85	
Municipal Power Laundry ..	28,01,991.15						28,01,991.15	
Advances from Surplus Monies for financing Loan Works Expenditure.	1,49,79,869.32						1,49,79,869.32	
Advances from Surplus Monies for purchase of plant & Machinery	80,75,720.35						80,75,720.35	
Pension Fund ..	63,23,215.43						63,23,215.43	
Gratuities Fund ..	40,92,559.08						40,92,559.08	
Amounts transferred within Bud. 'A' Divns. ..	12,07,12,185.13		14,36,74,300.43		7,20,99,686.16		33,64,86,371.72	
Amounts transferred to Budget 'C' ..	58,13,16,659.18						58,13,16,659.18	
Improving Common House Gullies ..	54,096.65						54,096.65	
Contribution Receivable from Budget 'B'	4,35,64,633.47						4,35,64,633.47	
Unadjusted Reserve Stores Account stock.	2,39,10,471.39						2,39,10,471.39	
Halalkhore Services ..	120.66		1,08,091.91		50,776.87 1,289.45 }		1,60,278.89	
Plant and Machinery Purchased out of Surplus Cash Balance ..			3,258.06				3,258.06	
Municipal Debt Interest ..			1,67,91,921.48		93,78,087.00		2,61,70,008.48	
Total III—(Other Susp.) ..	6,22,50,97,204.76		81,93,17,384.76		34,68,00,022.12		7,39,12,14,611.64	
Total (C) Suspense Receipts. ..	8,17,52,49,590.12		1,01,14,27,505.58		43,83,63,625.53		9,62,50,40,721.23	
Total Receipts Budget 'A' ..	8,98,28,77,440.18		1,20,91,38,746.41		52,78,78,153.20		10,71,98,94,339.79	

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 ..	2,83,19,514.55	..	24,43,934.89	5,67,758.27	3,13,31,207.71
II Contribution from B. M. C. under section 125 (2) (d) of the B.M.C. Act.	1,91,62,218.16	..	..	..	1,91,62,218.16
IV Interest and Profit on Investments.	99,894.65	..	88,405.32	..	1,88,299.97
V Miscellaneous Receipts.	5,45,337.53	..	..	2,15,421.97	7,60,759.50
VI Grant Assistance from Govt. of India for Improvement Slums.	1,08,53,888.00	..	..	..	1,08,53,888.00
VII Appropriation from Capital Account to meet the deficit	57,59,880.95	..	36,75,320.97	33,28,407.92	1,27,63,609.84
Total (A) General Account Revenue.	6,47,40,733.84	..	62,07,661.18	41,11,588.16	7,50,59,983.18
(B) Capital Account Receipts					
Sale Proceeds of Lands, Building etc.	2,93,419.35	..	..	88,114.04	3,81,533.39
New Loans raised during 1976-77. - ..	2,50,00,000.00	2,00,00,000.00	1,00,00,000.00	1,25,00,000.00	6,75,00,000.00
Advances from Surplus Monies. ..	Dr. 79,34,501.59	..	..	Dr. 26,62,388.87	Dr. 1,05,96,890.46
Total (B) Capital Receipts ..	1,73,58,917.76	2,00,00,000.00	1,00,00,000.00	99,25,725.17	5,72,84,642.93
(C) Suspense Account Receipts					
I. Sinking and Special Funds Accounts					
(a) Sinking Fund Account. ..	60,65,512.71	..	14,00,271.00	9,86,731.31	84,52,515.02
(b) Investment Reserve Fund Accounts	12,27,328.00	..	..	..	12,27,328.00
(c) Rent Equalisation Fund Account	6,42,713.75	..	..	..	6,42,713.75
(d) Amenities Fund Account ..	2,12,507.25	..	..	..	2,12,507.25
Total I (S.S.S. Funds) ..	81,48,061.71	..	14,00,271.00	9,86,731.31	1,05,35,064.02
II Paper and Cash Account.					
(a) Sinking Fund. ..	57,79,354.36	..	5,608.20	1,889.72	57,86,852.28
(b) Capital Fund. ..	..	..	101.76	..	101.76
(c) Investment Reserve Fund. ..	172.00	..	..	..	172.00
(d) Rent Equalisation Fund. ..	26.25	..	..	..	26.25
(e) Amenities Fund. ..	52.75	..	..	..	52.75
Total II—(Papers & Cash) ..	57,79,605.36	..	5,709.96	1,889.72	57,87,205.04
III—Other Suspense Accounts.					
Loan Redemption Fund ..	15,32,131.16	..	1,55,452.77	89,632.59	17,77,216.52
B. I. T. Loans Interest Warrants Payable Account ..	11,144.06	..	..	..	11,144.06
Total—III (Other Susp.) ..	15,43,275.22	..	1,55,452.77	89,632.59	17,88,360.58
Total (C) Suspense Receipts ..	1,54,70,942.29	..	15,61,433.73	10,78,253.62	1,81,10,629.64
Total Receipts—Budget 'B' ..	9,75,70,593.89	2,00,00,000.00	1,77,69,094.91	1,51,15,566.95	15,04,55,255.75

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				
(A) Revenue Account—				
I—General Supervision, Collection of Revenue, etc.				
A—General Superintendence	2,84,36,957.32	26,44,889.27	9,35,996.72	3,20,17,843.31
B—Collection of Revenue	1,70,03,802.73	52,98,786.54	21,32,477.97	2,44,35,067.24
C—Upkeep of guarding of Municipal Offices	15,48,953.93	14,78,971.10	3,86,631.02	34,14,556.05
D—General Stores	11,93,248.53	.....	.....	11,93,248.53
E—Legal Department	16,60,295.45	58,964.56	37,847.58	17,57,107.59
F—Miscellaneous Charges	2,64,27,067.75	1,88,751.21	33,350.33	2,66,49,169.29
G—Election Expenses	22,97,326.52	.....	.....	22,97,326.52
H—Provident Fund Charges	4,32,583.83	89,565.69	35,000.00	5,57,149.52
I—Debt Charges	17,33,586.68	4,76,918.51	3,63,998.06	25,74,503.25
Deduct : Proportion of General Superintendence	—1,56,65,755.99	—40,04,579.23	—15,50,149.73	—2,12,20,484.95
	6,50,68,066.75	62,32,267.65	23,75,151.95	7,36,75,486.35
II—Museums—				
A—Victoria and Albur Museum	1,50,671.60	.....	.....	1,50,671.60
B—Provident Fund Charges	2,000.00	.....	.....	2,000.00
C—Debt Charges	15.82	.....	.....	15.82
	1,52,687.42	.....	.....	1,52,687.42
IV—Free Reading Rooms and Libraries—				
A—Municipal Free Reading Rooms & Libraries	17,30,851.00	10,59,609.73	2,24,530.20	30,14,990.93
B—Municipal High Schools	1,88,40,440.50	.....	.....	1,88,40,440.50
C—Provident Fund Charges	10,000.00	.....	.....	10,000.00
D—Debt Charges	97,331.44	2,053.97	.....	99,385.41
	2,06,78,622.94	10,61,663.70	2,24,530.20	2,19,64,816.84
V—Public Health Department—				
A—General Superintendence	1,62,63,121.21	71,99,544.89	28,32,977.98	2,62,95,644.08
B—Supply of Milk to the under nourished needy children attending municipal schools.	25,78,005.23	12,83,810.76	14,35,221.02	52,97,037.01
C—Provident Fund Charges	1,51,999.74	59,809.00	15,999.00	2,27,807.74
D—Malaria Eradication Programme	3,92,383.19	7,74,803.33	2,55,920.03	14,23,106.55
E—Impounding Stray Cattle	2,98,398.69	.....	.....	2,98,398.69
I—Debt Charges	2,74,536.40	2,11,738.39	1,24,383.08	6,10,657.87
F—Filaria Control Programme .. .. .	.....	2,08,631.49	97,561.55	3,06,193.04
	1,99,58,444.46	97,38,337.86	47,62,062.66	3,44,58,844.98
VI—Medical Relief and Education—				
A—Hospitals	11,12,32,854.65	3,11,00,621.45	75,29,565.46	14,98,63,041.56
B—Maternity Homes	56,05,085.91	27,21,912.41	41,09,070.07	1,24,36,068.39
C—Dispensaries	62,08,296.95	43,32,340.57	17,45,939.34	1,22,86,576.86
E—Medical Education	1,76,26,550.32	.....	.....	1,76,26,550.32
F—Statutory Contributions to Govt. Medical Institutions.	4,14,500.04	.....	.....	4,14,500.04
G—Clinic for treatment of Leprosy Cases	6,75,340.43	27,845.00	13,922.50	7,17,107.93
H—Grant-in-Aid to Public Institutions	61,12,561.07	5,93,442.75	3,01,857.75	70,07,861.57
I—Provident Fund Charges	3,94,999.96	44,590.00	15,980.00	4,55,569.96
K—Debt Charges	85,97,693.80	29,35,447.45	14,05,518.50	1,29,38,659.75
	15,68,67,883.13	4,17,56,199.63	1,51,21,833.62	21,37,45,936.38

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.)				
VII—Street Cleansing, Conservancy and Halalkhore Service—				
A—Street Cleansing and Conservancy	68,00,163.79	28,41,064.40	16,20,081.47	1,12,61,309.66
B—Collection, Loading, Removal and Disposal of Town Refuse.	5,98,75,970.96	1,85,15,079.31	76,40,639.85	8,60,31,690.12
C—Halalkhore Service	36,87,345.33	27,56,298.81	24,97,727.06	89,41,371.20
D—Provident Fund Charges	5,20,360.87	90,623.29	26,692.04	6,37,676.20
F—Debt Charges	5,19,481.97	68,198.53	4,20,198.14	10,07,878.64
	7,14,03,322.92	2,42,71,264.34	1,22,05,338.56	10,78,79,925.82
VIII—Roads, S.W. Drains and Public Lighting—				
A—General	1,48,253.47	1,63,061.59	72,398.74	3,83,713.80
B—Maintenance of Roads	49,20,208.39	50,99,204.87	25,45,473.23	1,25,64,886.49
C—Public Lighting	46,39,315.24	1,14,833.86	9,46,058.85	57,00,207.95
D—Maintenance of S.W. Drains	9,74,073.02	32,84,975.07	11,57,326.99	54,16,375.08
F—Provident Fund Charges	.....	Cr. 22,372.74	Cr. 9,413.80	Cr. 31,786.54
H—Debt Charges	3,93,274.68	.....	.....	3,93,274.68
I—Proportionate Cost of Collection of Wheel Tax	.....	79,329.72	19,907.69	99,237.41
	1,10,75,124.80	87,19,032.37	47,31,751.70	2,45,25,908.87
IX—Mechanical—				
A—Mechanical Engineer's Office Establishment	14,77,498.70	1,64,387.57	.....	16,41,886.27
B—Maintenance of Electric Installations	.....	1,87,267.05	29,217.14	2,16,484.20
C—Provident Fund Charges	33,000.00	4,500.00	.....	37,500.00
D—Debt Charges	30,042.93	2,295.51	1,408.00	33,746.44
E—Contribution to Motor Vehicle (T.P.) Insurance Fund	50,000.00	.....	.....	50,000.00
	15,90,541.63	3,58,450.14	30,625.14	19,79,616.91
X—Buildings, Land Acquisition and Management				
A—City Engineer's Central Office Establishment	22,16,840.71	16,17,666.68	6,97,335.77	45,31,843.16
B—Inspection and Supervision of Private Buildings	27,04,205.41	10,28,879.97	33,188.86	37,66,274.24
C—Architectural	2,22,092.55	.....	.....	2,22,092.55
D—Land Acquisition and Management	26,86,295.58	1,16,166.26	2,038.19	28,04,500.03
E—Inspection and Supervision of Factories, Workshops and Work Places.	2,02,643.68	1,55,965.74	83,856.43	4,42,465.85
F—Industrial Estates	2,56,457.40	.....	.....	2,56,457.40
G—Provident Fund Charges	99,499.57	39,000.00	15,000.00	1,53,499.57
H—Debt Charges	35,30,892.56	20,27,286.80	6,29,814.27	61,87,993.63
Proportionate Costs	Cr. —2,64,821.41	3,76,641.97	.....	1,11,820.56
	1,16,54,106.05	53,61,607.42	14,61,233.52	1,84,76,946.99
XI—Fire Brigade—				
A—Maintenance	58,22,205.51	17,25,401.47	71,667.65	76,19,274.63
B—Provident Fund Charges	3,500.00	590.00	.....	4,090.00
C—Pension, Gratuities and Compassionate Allowances.	6,510.00	.....	.....	6,510.00
D—Proportion of General Supervision and Connection of Revenue.	4,77,036.90	1,50,096.42	56,991.39	6,84,124.71
E—Debt Charges	11,33,555.71	2,95,793.58	3,62,009.31	17,91,358.60
	74,42,808.12	21,71,881.47	4,90,668.35	1,01,05,357.94

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.)				
XII—Licensing, Removal of Encroachments on Public Streets, Administration of shops and Establishment Act 1948 and Theatre Tax—				
A—Licensing Establishment	19,74,771.79	8,85,589.10	3,37,689.99	31,98,050.88
B—Removal of Encroachment on Public Streets	20,35,920.40	6,37,578.78	2,61,704.08	29,35,203.26
C—Administration of Shops and Establishment Act, 1948.	10,29,670.20	3,00,861.75	1,33,943.37	14,64,475.32
D—Provident Fund Charges	92,500.00	29,973.00	15,000.00	1,37,473.00
	51,32,862.39	18,54,002.63	7,48,337.44	77,35,202.46
XIII—Gardens, Recreation Centres and Open Spaces				
A—Gardens	58,11,374.87	15,65,467.44	5,00,316.37	78,77,158.68
B—New Gardens, Recreation Grounds, etc. ..	1,29,304.96	3,85,410.88	1,51,848.62	6,65,564.46
C—Road side Trees	Cr. —14,53,085.69	5,17,583.34	2,76,850.05	Cr. —6,58,652.30
D—Open Air Theatre	23,808.74	64,270.50	....	88,079.24
E—Swimming Pools	3,13,564.04	1,49,688.67	1,92,779.60	6,56,032.31
F—Krida Kendra and Social Welfare Centres ..	1,99,404.11	18,374.49	....	2,17,778.60
J—Provident Fund Charges	36,500.00	2,928.00	780.00	40,208.00
K—Debt Charges	13,50,432.14	4,81,039.60	1,84,945.39	20,16,417.13
	64,11,303.17	31,84,762.92	13,07,520.03	1,09,03,586.12
XIV—Markets and Slaughter Houses				
A—Markets and Slaughter Houses	2,25,36,281.15	17,99,628.61	6,57,232.60	2,49,93,142.36
B—Provident Fund Charges	49,999.90	9,960.95	3,488.00	63,448.85
C—Pension, Gratuities and Compassionate Allowance.	28,170.00	15,000.00	5,000.00	48,170.00
D—Proportion of General Supervision	6,76,249.56	1,07,152.89	34,621.88	8,18,024.33
E—Debt Charges	66,67,030.99	8,40,790.75	1,59,128.00	76,66,949.74
	2,99,57,731.60	27,72,533.20	8,59,470.48	3,35,89,735.28
XV—Contribution to—				
(a) Budget 'B' under section 125(2)(d) of the Bombay Municipal Corporation Act.	1,07,93,207.00	57,90,280.00	25,78,731.16	1,91,62,218.16
(b) Budget 'E' under section 126C (c) of the Bombay Municipal Corporation Act.	2,69,79,198.00	1,44,75,700.00	64,46,828.00	4,79,01,726.00
(c) Budget 'E' (Special Contribution) under section 126C (c,1) of the Bombay Municipal Act.	7,36,72,000.00	....	....	7,36,72,000.00
(d) Fines and Welfare Fund	17,87,845.88	....	....	17,87,845.88
(e) Tree Authority Fund	12,26,408.00	....	....	12,26,408.00
	11,44,58,658.88	2,02,65,980.00	90,25,559.16	14,37,50,198.04
XVI—Miscellaneous—				
(a) Pension Fund .. .. .	....	....	....	....
(b) Gratuity Fund	10,79,730.00	3,88,160.00	1,16,979.13	15,84,869.13
Deduct : Proportionate Share	Cr. —34,680.00	....	....	Cr. —34,680.00
	10,45,050.00	3,88,160.00	1,16,979.13	15,50,189.13
XVII—Measures for Civil Defence	72,750.14	....	....	72,750.14
XVIII—Contribution to Bombay Building Repairs and Resonstruction Board.	1,60,00,000.00	....	....	1,60,00,000.00
XX—Lump sum provision for payment of Centenary Gift.	125.06	....	....	125.06
XXII—Lump Sum Provision for Staff contingencies, etc.	948.28	....	....	948.28

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.)								
XXIII—Traffic Operations, Roads and Bridges—								
A—General	15,48,388.46		19,73,786.96		5,38,427.61		40,60,603.03	
B—Traffic Planning and Operation ..	13,45,991.75		3,782.78		10,000.00		13,59,774.53	
C—Road and Bridge Planning and Design ..	....		623.13		....		623.13	
D—Road and Bridge Maintenance ..	2,92,58,177.53		2,31,65,810.73		87,57,502.12		6,11,81,490.38	
F—Provident Fund Charges	1,12,617.57		65,855.36		2,442.16		1,80,915.09	
G—Debt Charges	1,32,26,897.05		1,60,04,372.89		81,57,878.56		3,73,89,148.50	
H—Proportionate Cost of Collection of Wheel Tax.	5,38,940.00		2,03,100.00		88,035.00		8,30,075.00	
	4,60,31,012.36		4,14,17,331.85		1,75,54,285.45		10,50,02,629.66	
Total—(A) Revenue Expenditure ..	58,50,02,050.10		16,95,53,475.18		7,10,15,367.39		82,55,70,892.67	
(B) Capital Account—								
I—General Supervision, Collection of Revenue, etc.	26,93,006.93		14,14,675.77		2,12,889.45		43,20,572.15	
IV—Free Reading Rooms and Libraries ..	3,46,809.99		....		....		3,46,809.99	
V—Public Health Department	1,09,211.36		1,84,564.46		3,60,189.47		6,53,965.29	
VI—Medical Relief and Education	58,58,907.36		33,59,860.40		26,70,357.85		1,18,89,125.61	
VII—Street Cleansing, Conservancy and Halalkhore Service.	33,63,079.01		10,72,995.07		13,01,076.33		57,37,150.41	
VIII—Roads, S.W. Drains and Public Lighting ..	12,58,941.21		1,59,39,482.13		83,39,436.19		2,55,37,859.53	
IX—Mechanical .. ..	....		....		....		....
X—Buildings, Land Acquisition and Management ..	41,30,849.65		12,14,183.64		Cr. 5,32,981.22		48,12,052.07	
XI—Fire Brigade	9,96,843.76		Cr. 60,821.84		7,83,519.96		17,19,541.88	
XIII—Gardens and Open Spaces	8,07,554.21		3,88,084.70		7,76,195.06		19,71,833.97	
XIV—Markets and Slaughter Houses ..	47,60,324.97		19,35,252.34		18,431.55		67,14,008.86	
XV—Slum Service and Village Amenities ..	....		....		Cr. 1,018.24		Cr. 1,018.24	
XVIII—Industrial Estates	6,442.43		....		....		6,442.43	
XXIII—Traffic Operations, Roads and Bridges ..	1,64,12,207.75		3,49,66,484.96		1,68,44,205.47		6,82,22,898.18	
Centenary Celebration Works .. ..	....		9,68,827.51		....		9,68,827.51	
Plant and Machinery out of Loan Funds ..	....		32,18,407.42		2,40,838.88		34,59,246.30	
Suspense Account Mechanical Transport ..	24,000.00		99,486.26		....		1,23,486.26	
Plant and Machinery Purchased out of different Special Funds.	1,27,48,885.18 Cr. 60,68,434.84		....		....		66,80,450.34	
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	60,68,434.84		....		....		60,68,434.84	
Recoupment of Advance for Purchase of Capital Stores.	52,835.21		....		....		52,835.21	
	5,21,95,131.42		6,47,01,482.82		3,10,13,140.75		14,79,09,754.99	
Trust Fund	1,26,833.93		....		....		1,26,833.93	
Total—(B) Capital Expenditure ..	5,23,21,965.35		6,47,01,482.82		3,10,13,140.75		14,80,30,588.92	

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	2,79,27,724.34		77,95,829.92		1,92,275.82		3,59,15,830.08	
Special Fund Account.	6,76,31,569.29		..		..		6,76,31,569.29	
Total—I (S.S.S. Funds)	9,55,59,293.63		77,95,829.92		1,92,275.82		10,35,47,399.37	
II—Paper and Cash Account								
Sinking Fund.	6,52,06,162.95		1,39,65,333.89		1,00,64,848.17		8,92,36,345.01	
Special Fund.	21,57,73,007.76		348.35		..		21,57,73,356.11	
Surplus Fund.	44,69,12,785.68		6,20,44,554.78		2,75,00,447.86		53,64,57,788.32	
Loan Fund.	..		97,807.69		..		97,807.69	
State Bank of India and Other Local Banks on account of Sundry Deposits.	1,45,37,54,853.44		12,70,99,092.72		5,63,72,635.50		1,63,72,26,581.66	
Total—II (Papers and Cash)	2,18,16,46,809.83		20,32,07,137.43		9,39,37,931.53		2,47,87,91,878.79	
III—Other Suspense Accounts								
Deposit Account	1,88,61,16,499.32		13,60,35,743.28		5,47,43,201.21		2,07,68,95,443.81	
Reserve Stores Account	4,55,12,532.56		..		..		4,55,12,532.56	
Capital Stores Account	7,41,60,995.79		..		..		7,41,60,995.79	
Capital Stores Account (Foras Road Depot)	3,65,360.76		..		..		3,65,360.76	
Advances for purchase of Petrol and Diesel Oil.	29,63,433.99		16,51,131.38		..		46,14,565.37	
Advances for Departmental Works.	48,51,929.27		30,97,502.40		4,58,776.81		84,08,208.48	
Advances for Private Works.	19,52,203.61		1,39,171.40		10,609.52		21,01,984.53	
Municipal Workshop.	24,01,549.47		..		..		24,01,549.47	
Municipal Foundry	8,52,246.31		..		..		8,52,246.31	
Municipal Crushers.	2,52,089.60		..		..		2,52,089.60	
Mechanical Transport.	1,48,01,151.48		1,15,69,237.90		..		2,63,70,389.38	
Asphalt Plant.	28,76,226.16		..		..		28,76,226.16	
Municipal Printing Press	65,09,418.52		..		..		65,09,418.52	
Rota Printing Unit.	7,46,112.59		..		..		7,46,112.59	
Advances Special Funds.	47,67,114.00		..		..		47,67,114.00	
Municipal Contractors.	2,60,564.17		21,429.10		3,598.52		2,85,591.79	
Municipal Tenderers.	7.40		..		..		7.40	
Advances for Demolition of Unauthorised Structures and Removal of unsafe Buildings.	21,68,574.07		31,567.40		21,036.53		22,21,178.00	
Advances to Public including Co-operatives for Housing purposes	1,82,05,954.89		..		..		1,82,05,954.89	
Municipal Power Laundry	28,24,075.83		..		..		28,24,075.83	
Advances to Municipal Officers	11,38,361.00		44,425.00		8,550.00		11,91,336.00	
Advances, Sundry Advances Miscellaneous	8,70,82,430.15		2,85,85,715.64		1,37,13,183.71		12,93,81,329.50	
Provident Fund.	5,69,73,651.68		80,31,896.80		27,76,134.03		6,77,81,682.51	
Pension Fund.	63,23,215.43		..		..		63,23,215.43	
Gratuity Fund.	40,92,559.08		..		..		40,92,559.08	
Fines Fund.	25,620.33		..		..		25,620.33	
Fidelity Guarantee Insurance Fund.	2,499.05		..		..		2,499.05	
Reinstatement of Trenches	33,72,514.58		16,72,449.15		11,28,369.31		61,73,333.04	
Advances from Surplus Monies for Financing Capital Works Expenditure.	87,01,948.28		29,70,860.42		8,17,337.04		1,24,90,145.74	
Total—(C)—III—(Other Susp.) C/o	2,24,03,00,839.37		19,38,51,129.87		7,36,80,796.68		2,50,78,32,765.92	

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 ...	2,24,03,00,839.37		19,38,51,129.87		7,36,80,796.68		2,50,78,32,765.92	
Dishonoured cheques. ...	1,90,94,391.19		63,34,311.45		30,96,889.35		2,85,25,591.99	
Advances for Halalkhore Service. ...	3,21,233.62		39,91,658.28		29,03,679.11		74,18,245.14	
Advances for Improvement of Private streets. ...	..		3,19,054.05		..		3,19,054.05	
Advances for Deposit with Outside Bodies. ...	19,150.00		4,930.00		..		24,080.00	
Advance for Security Deposit with Central Railway and D.G.S. Delhi. ...	1,02,54,039.98		..		..		1,02,54,039.98	
Interest Accrued But Not Paid ...	81,031.56		37,500.04		..		1,18,531.60	
Interest receivable Account. ...	1,90,000.00		..		..		1,90,000.00	
Interest on Loans Payable Account ...	2,00,578.48		60,245.23		56,788.00		3,17,611.71	
B. M. C. Loans Interest Warrants Payable Account. ...	1,80,19,948.93		1,13,27,330.98		65,19,225.25		3,58,66,505.16	
Repayment of B. M. C. Loans ...	1,17,72,133.08		75,00,000.00		..		1,92,72,133.08	
Cash Bill Outstanding Account ...	2,92,897.27		10,198.26		3,488.80		3,06,584.33	
Cheques Payable ...	3,12,31,05,757.80		42,21,01,749.25		17,74,87,909.85		3,72,26,95,416.90	
Wages Deposit Account ...	1,75,45,838.57		45,50,186.19		17,95,161.88		2,38,91,186.64	
Contribution receivable from Budget 'E' ...	4,10,63,844.51		..		..		4,10,63,844.51	
Amount transferred to Budget 'G' ...	39,96,10,186.04		..		..		39,96,10,186.04	
Amount transferred within Budget 'A' Divisions ...	18,53,58,314.81		9,32,48,333.09		5,78,79,723.82		33,64,86,371.72	
Unadjusted Reserve Stores Account Stock. ...	2,21,04,758.24		..		..		2,21,04,758.24	
Unadjusted Reserve Stores (Foras Road Depot) ...	8,16,869.91		..		..		8,16,869.91	
Municipal Debt. Interest. ...	..		1,67,91,921.48		93,78,087.00		2,61,70,008.48	
Total—III (Other Susp.) ...	6,09,01,51,813.36		76,01,28,548.17		33,30,03,423.87		7,18,32,83,785.40	
Total (C) Suspense Expenditure ...	8,36,73,57,916.82		97,11,31,515.52		42,71,33,631.22		9,76,56,23,063.56	
Total Expenditure Budget 'A' ...	9,00,46,81,932.27		1,20,52,86,473.52		52,91,62,139.36		10,73,92,30,545.15	

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.
BUDGET 'B' EXPENDITURE									
IMPROVEMENT SCHEME ACCOUNT									
(A) General Account Expenditure									
A—Maintenance of Properties and Streets	5,53,69,733.60		...	25,07,932.73		11,22,888.08		5,90,00,554.41	
B—Cost of Management and Establishment	66,38,513.58		...	...		...		66,38,513.58	
C—Proportionate Charges on account of Municipal Supervision	29,85,484.20		...	...		...		29,85,484.20	
Proportionate Share of Cost of Management & Establishment—									
(a) General Account	Cr. 86,17,817.68		...	...		...		—86,17,817.68	
(b) Capital Account	—10,06,180.10		...	...		...		—10,06,180.10	
D—Debt Charges	93,71,000.24		...	36,99,728.49		29,88,700.08		1,60,59,428.77	
Total (A) General Account Expenditure	6,47,40,733.84		...	62,07,661.18		41,11,988.16		7,50,59,983.18	
(B) Capital Account Expenditure Improvement and Street etc. Schemes Expenditure.									
	1,05,92,856.71		98,17,544.61	30,97,761.76		10,00,234.34		2,45,08,397.42	
Proportionate Share of Cost of Management and Establishment.	10,06,180.10		...	...		...		10,06,180.10	
Deficit in General Account—	57,59,880.95		...	36,75,320.97		33,28,407.92		1,27,63,609.84	
Total (B) Capital Expenditure	1,73,58,917.76		98,17,544.61	67,73,082.73		43,28,642.26		3,82,78,187.36	
(C) Suspense Account Expenditure									
I—Sinking etc. Fund Account									
(a) Sinking Fund Account	58,028.13		...	8,807.83		3,049.65		69,885.61	
Total—I (S. Fund)	58,028.13		...	8,807.83		3,049.65		69,885.61	
II—Paper and Cash Accounts									
(a) Sinking Fund.	1,17,86,838.94		...	13,97,071.37		9,85,571.38		1,41,69,481.69	
(b) Capital Fund.	...		55.39	119.03		82.91		257.33	
(d) Rent Equalisation Fund.	40.00		...	...		...		40.00	
(e) Amenities Fund.	60.00		...	...		...		60.00	
Total—II (Papers and Cash)	1,17,86,938.94		55.39	13,97,190.40		9,85,654.29		1,41,69,839.02	
III—Other Suspense Account									
Repayment of B. I. T. etc. Loans	15,32,131.16		...	1,55,452.77		89,632.59		17,77,216.52	
B. I. T. Interest Warrants Payable Account.	11,113.06		...	...		...		11,113.06	
Total—III (Other Susp.)	15,43,244.22		...	1,55,452.77		89,632.59		17,88,329.58	
Total—(C) Suspense Expenditure	1,33,88,211.29		55.39	15,61,451.00		10,78,336.53		1,60,28,054.21	
Total Expenditure Budget 'B'	9,54,87,862.89		98,17,600.00	1,45,42,194.91		95,18,566.95		12,93,66,224.75	

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.
4,53,60,189.96	1,04,92,090.62	67,80,994.09	6,26,33,274.67	Opening Balance as at 1st April 1976	..	..	..	..
				Budget 'A'				
75,54,32,718.64	11,77,40,380.41	5,24,47,190.63	92,56,20,289.68	(A) Revenue Account	58,50,02,050.10	16,95,53,475.18	7,10,15,367.39	82,55,70,892.67
5,21,95,131.42	7,99,70,860.42	3,70,67,337.04	16,92,33,328.88	(B) Capital Account	5,23,21,965.35	6,47,01,482.82	3,10,13,140.75	14,80,36,588.92
8,17,52,49,590.12	1,01,14,27,505.58	43,83,63,625.53	9,62,50,40,721.23	(C) Suspense Account	8,36,73,57,916.82	97,11,31,515.52	42,71,33,631.22	9,76,56,23,063.56
8,98,28,77,440.18	1,20,91,38,746.41	52,78,78,153.20	10,71,98,94,339.79	Total—Budget 'A'	9,00,46,81,932.27	1,20,53,86,473.52	52,91,62,139.36	10,73,92,30,545.15
				Budget 'B'				
7,50,59,983.18	..	..	7,50,59,983.18	(A) General Account	7,50,59,983.18	..	..	7,50,59,983.18
5,72,84,642.93	..	..	5,72,84,642.93	(B) Capital Account	3,82,78,187.36	..	..	3,82,78,187.36
1,81,10,629.64	..	..	1,81,10,629.64	(C) Suspense Account	1,60,28,054.21	..	..	1,60,28,054.21
15,04,55,255.75	..	..	15,04,55,255.75	Total—Budget 'B'	12,93,66,224.75	..	..	12,93,66,224.75
9,13,33,32,695.93	1,20,91,38,746.41	52,78,78,153.20	10,87,03,49,595.54	Total Budgets 'A' + 'B'	9,13,40,48,157.02	1,20,53,86,473.52	52,91,62,139.36	10,86,85,96,769.90
..	..	..	..	Closing Balance as at 31st March 1977 as reconciled below* with the Cash Position	4,46,44,728.87	1,42,44,363.51	54,97,007.93	6,43,86,100.31*
9,17,86,92,885.89	1,21,96,30,837.03	53,46,59,147.29	10,93,29,82,870.21	GRAND TOTAL	9,17,86,92,885.89	1,21,96,30,837.03	53,46,59,147.29	10,93,29,82,870.21
				*Banks Reconciliation :				
				Balance as per Bank's Pass Book	25,59,286.78	1,41,631.50	1,31,450.70	28,32,368.98
				Add : Revenue sent to the Bank on 31st March 1977 but acknowledged on 1st April 1977	35,06,076.43	27,70,390.59	13,43,515.58	76,19,982.60
				Less : Uncashed Cheques	—1,63,44,721.31	—90,26,394.57	—42,07,828.07	—2,95,78,943.95
				Total Bank Position	—1,02,79,358.10	—61,14,372.48	—27,32,861.79	—1,91,26,592.37
				Balance in Bank as per Day Book (Column No. 10)—				
				Balance in Office, in Government Promisory Notes etc.	3,89,080.00	3,68,060.00	5,85,030.00	13,42,170.00
				Balance in Office in Cash	36,976.14	1,809.09	1,851.55	40,636.78
				Collection kept in office	5,44,98,030.83	1,99,88,866.90	76,42,988.17	8,21,29,885.90
				Total—Office Position	5,49,24,086.97	2,03,58,735.99	82,29,869.72	8,35,12,692.68
				Closing Balance as at 31st March 1977 as shown at *above.	4,46,44,728.87	1,42,44,363.51	54,97,007.93	6,43,86,100.31

Appendix No. 22

IMPROVEMENT SCHEMES

General Account for the year ending 31st March 1977.

Particulars	Amounts	Particulars	Amounts
	Rs.		Rs.
To Revenue Expenditure as per Appendix No. 24 ..	6,47,40,732	By Revenue Receipts as per Appendix No. 23 ..	5,89,80,852
Balance being Deficit transferred to Capital Account Balance Sheet ..	57,59,880		
Total ..	5,89,80,852	Total ..	5,89,80,852

APPENDIX NO. 22A

Slum Clearance Account—(City) General Account for the year ending 31st March 1977.

Particulars.	Amount	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per Appendix 24A	62,07,661	By Revenue Receipts under (i) Rent and other proceeds of properties ..	25,32,340
		(ii) Interest and Profits on Investments ..	..
		(iii) Miscellaneous Receipts ..	..
		Balance being Deficit transferred to Capital Account Balance Sheet	25,32,340
Total ..	62,07,661	Total ..	36,75,321
			62,07,661

APPENDIX NO. 22B

Slum Clearance Account—Suburbs and Ext. Suburbs General Account for the year ending 31st March 1977.

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue Expenditure as per Appendix 24B	41,11,588	By Revenue receipts under (i) Rent and other proceeds of properties ..	5,67,758
		(ii) Contribution from Budget—D' ..	..
		(iii) Interest & Profits on Investments ..	2,15,422
		(iv) Miscellaneous Receipts ..	..
		Balance being Deficit transferred to Capital Account Balance Sheet	7,83,180
Total ..	41,11,588	Total ..	33,28,408
			41,11,588

APPENDIX No. 25

IMPROVEMENT SCHEMES

Balance Sheet—(Capital Account) as on 31st March 1977.

LIABILITIES		Amount.		ASSETS		Amount.	
		Rs.	P.			Rs.	P.
LOANS OUTSTANDING—							
(Vide details as shown in appendix No. 29)			15,00,33,647.07	BLOCK ACCOUNT—			
Book value of land comprised schedules "W" and "X"			47,58,490.00	Property & Assets at original cost as per Appendix No. 26		32,91,02,494.69	
Sinking Fund on Loans			9,17,24,623.57	LESS—ASSETS CREDITED BY—			
Loan Redemption Fund			10,29,76,841.99	(1) Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan †		25,07,830.00	
SURPLUS REVENUE—				(2) Special grants from the Govt. of India		54,00,000.00	
Deficit upto 31st March 1976	1,41,80,196.13			(3) Premia on loans raised in 1935-36		30,000.00	
Add—Deficit during 1976-77	57,59,880.95			(4) Grant-in-aid from Govt. of Bombay part expenditure of Acquisition of Land		5,00,000.00	
		Dr. 1,99,40,077.08		(5) Sale proceeds of Land & Building		8,54,19,438.29	
SPECIAL FUNDS—						<u>9,38,57,268.29</u>	
Investment Reserve Fund			1,62,68,206.77	Book value of lands comprised in Schedules "W" & "X" as per Appendix No. 27 (Section 97A of B. M. C. Act.)			23,52,45,226.40
Amenities Fund			20,89,005.61				47,58,490.00
Rent Equalisation Fund			63,35,687.52	INVESTMENT—			
Advance from Surplus Monie			21,74,814.42	Sinking Fund - In paper & Cash as per Appendix No. 28		*9,17,24,620.57	
				Investment Reserve Fund - In Fixed Deposit & Cash		1,62,68,206.7	
				Amenities Fund - In Fixed Deposit & Cash		20,89,005.61	
				Rent Equalisation Fund - In Fixed Deposit & Cash		63,35,687.52	
			35,64,21,236.87				<u>35,64,21,236.87</u>

* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1977. 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 installments (vide C. R. No. 94 of 4th May 1936).

Appendix No. 25A

Slum Clearance City

Balance Sheet Capital Account as on 31st March 1977.

LIABILITIES	Amount		ASSETS	Amount	
	Rs.	P.		Rs.	P.
LOAN OUTSTANDING			Block Account		
(Vide details as shown in Appendix No. 29A)	5,67,45,026.15		Property and Assets at original cost as per Appendix No. 26A		4,32,69,157.88
Subsidy from Government	1,06,52,426.00		Sinking Fund as per Appendix No. 28A		1,09,77,519.62
Sale proceeds up to 31st March 1977	33,028.68		CAPITAL FUND		
Sinking Fund on Loans	1,09,77,519.62		Investment in Fixed Deposit	59,66,400.00	
Loan Redemption Fund	8,55,889.85		Cash	93.83	
		7,92,63,890.30			59,66,493.83
Deduct					
Deficit upto 31st March 1976	1,53,75,398.00				
Add - Deficit during the year	36,75,370.97				
		1,90,50,718.97			
Total		6,02,13,171.33	Total		6,02,13,171.33

Appendix No. 25 B

Slum Clearance Suburbs.

Balance sheet Capital Account as on 31st March 1977.

LIABILITIES.	Amount		ASSETS.	Amount	
	Rs.	P.		Rs.	P.
Loan outstanding	4,82,18,372.58		Block Account		
Subsidy from Government	57,82,779.00		Property and Assets at original cost as per Appendix No. 26B		4,24,58,978.64
Sinking Fund on loans	62,57,640.78		Sinking Fund as per app. 28B		62,57,640.78
Sale proceeds upto 31st March 1977	32,19,873.81		Capital Fund		
Loan Redemption Fund	4,74,604.42		Investment in Fixed Deposits	Rs. 55,97,000.00	
		6,39,53,270.59	Cash	Rs. 82.91	55,97,082.91
Deduct					
Deficit upto 31st March 1976	63,11,160.34				
Add - Deficit during the year	33,28,407.92				
		96,39,568.26			
Total		5,43,13,702.33	Total		5,43,13,702.33

Appendix No. 25C

Slum Improvement

Balance sheet Capital Account as on 31st March 1977

LIABILITIES.	AMOUNT		ASSETS.	AMOUNT	
	Rs.	P.		Rs.	P.
Loan outstanding	2,00,00,000.00		Block Account		
			Property and Assets at original cost as per Appendix No. 26C		98,17,544.61
			Capital Fund		
			Investment in Fixed Deposits	1,01,82,400.00	
			Cash	55.39	1,01,82,455.39
Total		2,00,00,000.00	Total		2,00,00,000.00

APPENDIX No. 26.

Capital Works Expenditure Improvement Scheme

(Summary)

Capital Account	Total Capital Works Expenditure upto 31st March 1976.	Capital Works Expenditure during 1976-77.	Total Capital Works Expenditure upto 31st March 77.
	Rs.	Rs.	Rs.
Improvement Scheme—			
Improvement and Street Schemes ..	29,98,95,045	1,15,99,037	31,14,94,082
Police Accomodation Schemes ..	91,84,617	..	91,84,617
Mill Company's Chawl Schemes ..	9,45,822	..	9,45,822
Slum Clearance ..	4,63,311	..	4,63,311
Miscellaneous ..	8,75,562	..	8,75,562
Discount on loans ..	61,39,101	..	61,39,101
Total—Improvement Scheme ..	31,75,03,458	1,15,99,037	32,91,02,495

APPENDIX No. 26A.

Capital Works Expenditure Slum Clearance-City

(Summary)

Capital Account	Total Capital Works Expenditure upto 31st March 1976.	Capital Works Expenditure during 1976-77.	Total Capital Works Expenditure upto 31st March 77.
	Rs.	Rs.	Rs.
Slum Clearance-City—			
A.—Works to be carried out from Municipal Fund ..	64,39,254	91,931	65,31,185
B.—Works to be carried out with Govt. Aid ..	3,37,32,142	30,05,831	3,67,37,973
Total—Slum City ..	4,01,71,396	30,97,762	4,32,69,158

APPENDIX No. 26B

Capital Works Expenditure Slum Clearance-Suburbs and Extended Suburbs.

(Summary)

Capital Account	Total Capital Works Expenditure upto 31st March 1976.	Capital Works Expenditure during 1976-77.	Total Capital Works Expenditure upto 31st March 77.
	Rs.	Rs.	Rs.
Slum Clearance-Suburbs and Extended Suburbs—			
A.—Works to be carried out from Municipal Fund ..	1,75,36,722	44,141	1,75,80,863
B.—Works to be carried out with Govt. Aid ..	2,39,22,021	9,56,094	2,48,78,115
Total—Slum Subs. & Extd. Suburbs ..	4,14,58,743	10,00,235	4,24,58,978

APPENDIX No. 26C.

Capital Works Expenditure Slum Improvements

(Summary)

Capital Account	Total Capital Works Expenditure upto 31st March 1976	Capital Works Expenditure during 1976-77	Total Capital Works Expenditure upto 31st March 1977
	Rs.	Rs.	Rs.
Slum Improvement—			
(a) Construction ..	.....	93,17,545	93,17,545
Total—Slum Improvements ..	...	93,17,545	93,17,545

APPENDIX No. 29—(Consolidated)

Statement showing outstanding balances of Loans on 31st March 1977, pertaining to Budget 'B'.

Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1977.	Serial No.	Particulars of Loans	Rate of Interest per annum.	Outstanding Loan Balance on 31st March 1977
1	2	3	4	1	2	3	4
			Rs.				Rs.
	Improvement Scheme—				Programme No. 10		
	Loans Raised from the Government.			47	Rs. 1,62,343 Loan, 1966-67 ..	5½%	1,54,935.18
				48	Rs. 3,254 Loan, 1967-68 ..	5½%	3,108.26
				49	Rs. 58,984 Loan, 1968-69 ..	5½%	56,330.86
					Total—Prog. 10...		2,14,374.30
					Programme No. 11		
1	Consolidation loan in respect of Conversion loan, 35 Lakhs Loan and 8 Lakhs Loan	3.3759%	66,67,147.07		Rs. 69,426 Loan, 1968-69 ..	5½%	66,304.17
2	Rs. 45 lakhs Loan 1922 ..	4½%	45,00,000.00	51	Rs. 75,936 Loan, 1969-70 ..	5½%	72,519.85
3	Rs. 172 lakhs Loan 1922 ..	4½%	1,72,00,000.00	52	Rs. 13,725 Loan, 1970-71 ..	6½%	13,178.34
4	Rs. 89 lakhs Loan 1923 ..	4½%	89,00,000.00		Total—Prog. 11 ..		1,52,002.36
5	Rs. 100 lakhs Loan 1924 ..	4½%	1,00,00,000.00		Total—Govt. Loans		72,09,026.15
6	Rs. 70 Lakhs Loan 1925 ..	4½%	70,00,000.00				
	Total—Govt. Loans		5,42,67,147.07				
	Loans raised from Public—				Loan raised from the Public		
7	Rs. 70 Lakhs Debenture Loan 1920	6%	66,00,000.00	53	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	54	Rs. 20 Lakhs Loan, 1957-58 ..	4½%	20,00,000.00
9	Rs. 27,38,500 Loan, 1957-58 ..	4½%	27,38,500.00	55	Rs. 10 Lakhs Loan, 1958-59 ..	4%	10,00,000.00
10	Rs. 50 Lakhs Loan, 1959-60 ..	4%	50,00,000.00	56	Rs. 25 Lakhs Loan, 1959-60 ..	4%	25,00,000.00
11	Rs. 70 Lakhs Loan, 1960-61 ..	4½%	70,00,000.00	57	Rs. 50 Lakhs Loan, 1961-62 ..	4½%	50,00,000.00
12	Rs. 50 Lakhs Loan, 1961-62 ..	4½%	50,00,000.00	58	Rs. 30 Lakhs Loan, 1964-65 ..	4½%	30,00,000.00
13	Rs. 100 Lakhs Loan 1962-63 ..	4½%	1,00,00,000.00	59	Rs. 50 Lakhs Loan, 1966-67 ..	6%	50,00,000.00
14	Rs. 50 Lakhs Loan, 1963-64 ..	4½%	50,00,000.00	60	Rs. 25 Lakhs Loan, 1971-72 ..	6%	25,00,000.00
15	Rs. 100 Lakhs Loan, 1965-66 ..	6%	1,00,00,000.00	61	Rs. 50 Lakhs Loan, 1972-73 ..	6%	50,00,000.00
16	Rs. 50 Lakhs Loan, 1966-67 ..	6%	50,00,000.00	62	Rs. 50 Lakhs Loan, 1973-74 ..	6%	50,00,000.00
17	Rs. 50 Lakhs Loan, 1967-68 ..	6%	50,00,000.00	63	Rs. 75 Lakhs Loan, 1975-76 ..	6½%	75,00,000.00
18	Rs. 75 Lakhs Loan, 1968-69 ..	6%	75,00,000.00	64	Rs. 10 Lakhs Loan, 1976-77 ..	6½%	1,00,00,000.00
19	Rs. 250 Lakhs out of Rs. 450 Lakhs Loan 1976-77 ..	6½%	2,50,00,000.00		Total—Public Loans		4,95,00,000.00
	Total—Public Loans		9,57,66,500.00		Total—Slum Clearance (City)...		5,67,09,026.15
	Total—Improvement Scheme		15,00,33,647.07				
	Slum Clearance—City—				Slum Clearance—Suburbs		
	Loans raised from the Govt.				& Extd. Suburbs—		
	Programme No. 1				Loan raised from the Govt.—		
20	Rs. 9,50,997 Loan, 1957-58 ..	4½%	8,25,992.01	65	Programme No. 2		
21	Rs. 6,12,000 Loan, 1958-59 ..	4½%	5,3,554.93	66	Rs. 307,000 Loan, 1959-60 ..	4½%	2,91,214.49
22	Rs. 2,73,000 Loan, 1959-60 ..	4½%	2,37,117.82	67	Rs. 5,84,000 Loan, 1960-61 ..	4½%	5,53,969.26
23	Rs. 1,85,000 Loan, 1960-61 ..	4½%	1,60,682.48	68	Rs. 3,54,375 Loan, 1962-63 ..	5½%	3,38,228.27
24	Rs. 5,04,000 Loan, 1961-62 ..	4½%	4,06,483.15	69	Rs. 1,67,625 Loan, 1963-64 ..	5½%	1,59,987.65
25	Rs. 2,64,529 Loan 1962-63 ..	5½%	2,33,240.67	70	Rs. 2,43,364 Loan, 1964-65 ..	5½%	2,32,276.59
26	Rs. 2,50,971 Loan, 1963-64 ..	5½%	2,21,286.31		Rs. 11,599 Loan, 1966-67 ..	5½%	11,077.98
27	Rs. 47,250 Loan, 1964-65 ..	5½%	4,661.33		Total—Prog. 2 ...		15,86,754.24
28	Rs. 2,20,355 Loan, 1964-65 ..	5½%	1,94,291.57		Programme No. 3		
29	Rs. 50,504 Loan, 1965-66 ..	5½%	44,545.39	71	Rs. 1,62,000 Loan, 1960-61 ..	4½%	1,20,936.47
30	Rs. 73 Loan, 1965-66 ..	5½%	64.42	72	Rs. 9,72,000 Loan, 1961-62 ..	4½%	7,25,618.08
31	Rs. 568 Loan 1968-69 ..	5½%	501.04	73	Rs. 1,00,182 Loan, 1962-63 ..	5½%	76,857.16
	Total—Prog. 1...		28,97,421.12	74	Rs. 7,818 Loan, 1963-64 ..	5½%	5,998.22
	Programme No. 2				Total—Prog. 3...		9,29,409.93
32	Rs. 94,500 Loan, 1961-62 ..	4½%	89,639.18		Programme No. 4		
	Total—Prog. 2...		89,639.18	75	Rs. 4,65,300 Loan 1963-64 ..	5½%	4,44,101.80
	Programme No. 3			76	Rs. 1,08,900 Loan 1964-65 ..	5½%	1,03,939.19
33	Rs. 9,00,000 Loan 1960-61 ..	4½%	6,71,874.61	77	Rs. 4,75,911 Loan 1964-65 ..	5½%	4,54,226.36
34	Rs. 62,037 Loan 1962-63 ..	5½%	47,593.33	78	Rs. 1,31,267 Loan 1965-66 ..	5½%	1,25,362.70
35	Rs. 9,963 Loan 1963-64 ..	5½%	7,643.58	79	Rs. 1,53,917 Loan 1965-66 ..	5½%	1,46,994.47
	Total—Prog. 3		7,27,111.52	80	Rs. 1,07,739 Loan 1965-66 ..	5½%	1,02,892.70
	Programme No. 4			81	Rs. 1,06,343 Loan 1965-66 ..	5½%	1,01,559.35
36	Rs. 3,69,600 Loan, 1963-64 ..	5½%	3,52,762.15	82	Rs. 1,28,865 Loan 1966-67 ..	5½%	1,23,069.51
37	Rs. 1,84,800 Loan, 1964-65 ..	5½%	1,76,381.08	83	Rs. 78,864 Loan 1967-68 ..	5½%	75,318.78
	Total—Prog. 4		5,29,143.23	84	Rs. 22,388 Loan 1968-69 ..	5½%	21,392.25
	Programme No. 6			85	Rs. 3,519 Loan 1968-69 ..	5½%	3,361.30
38	Rs. 1,53,900 Loan, 1966-67 ..	5½%	1,35,753.10		Total Prog. 4..		17,02,203.41
39	Rs. 17,100 Loan, 1967-68 ..	5½%	15,082.47		Total Govt. Loan...		42,18,372.58
40	Rs. 57,000 Loan, 1968-69 ..	5½%	50,275.07		Loans raised from the Public—		
	Total—Prog. 6		2,01,110.60	86	Rs. 50 Lakhs Loan 1962-63 ..	4½%	50,00,000.00
	Programme No. 9			87	Rs. 50 Lakhs Loan 1966-67 ..	4½%	50,00,000.00
41	Rs. 6,10,818 Loan, 1966-67 ..	5½%	5,83,344.20	88	Rs. 50 Lakhs Loan 1967-68 ..	6%	50,00,000.00
42	Rs. 5,73,838 Loan, 1967-68 ..	5½%	5,48,027.22	89	Rs. 25 Lakhs Loan 1968-69 ..	6%	25,00,000.00
43	Rs. 7,28,110 Loan, 1968-69 ..	5½%	6,95,358.95	90	Rs. 40 Lakhs Loan 1973-74 ..	6%	40,00,000.00
44	Rs. 1,00,518 Loan, 1968-69 ..	5½%	95,998.15	91	Rs. 100 Lakhs Loan 1975-76 ..	6%	1,00,00,000.00
45	Rs. 1,04,516 Loan, 1969-70 ..	5½%	99,814.76	92	Rs. 125 Lakhs Loan 1976-77 ..	6½%	1,25,00,000.00
46	Rs. 3,91,298 Loan, 1970-71 ..	6½%	3,75,680.56		Total—Public Loans..		4,40,00,000.00
	Total—Prog. 9..		23,98,223.84		Total—Slum Clearance (Subs. & Extd. Subs.) ...		4,82,18,372.58
					Slum Improvement—		
					Loans raised from Public :-		
				93	Rs. 200 Lakhs out of Rs. 450 Lakhs Loan 1976-77 ..		2,00,00,000.00
					Total—Slum Improvement..		2,00,00,000.00
					Grand Total—Budget 'B'		27,49,61,043.80

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 31-3-1977
				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	14-3-1967	25,00,000
5	Usha Bahar, Sewree	2854/71	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	Mandapeshwar 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 (E)	2927/71	4,46,400	25	25-4-1972	4,46,400
15	Veer 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	30-3-1974) 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 Employees	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 Sayadri, Ghatkopar	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—Carriedover			2,63,02,760			2,62,22,760

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS
Loan Balance outstanding as on 1-4-1976	Amount of Loan paid during 1976-77	Less : Loan Amount repaid during 1976-77	Loan Balance outstanding as on 31-3-1977	Interest outstanding as on 1-4-1976	Interest Accrued during 1976-77	Less : Interest recovered during 1976-77	Interest outstanding as on 31-3-1977†	
(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.	
7,60,260.00	...	62,064.00	6,98,196.00	3,41,136.15	45,688.38	...	3,86,824.53	26th
6,98,010.00	...	52,680.00	6,45,330.00	1,93,939.44	41,670.45	...	2,35,609.89	5/8/11/2
1,21,875.00	...	12,187.50	1,09,687.50	37,801.42	* 7,243.64	...	45,045.06	7th
24,64,840.00	...	46,880.00	24,17,960.00	2,61,132.90	1,52,356.82	...	4,13,489.72	4/7/10/1 5th
2,81,010.00	...	15,330.00	2,65,680.00	66,063.12	17,176.39	...	83,239.51	4/7/10/1 17th
8,34,750.00	...	63,000.00	7,71,750.00	2,03,977.16	50,427.00	...	2,54,404.16	4/7/10/1 29th
6,14,040.00	...	43,860.00	5,70,180.00	1,24,062.46	37,350.49	...	1,61,412.95	6/9/12/3 6th
2,30,470.00	...	11,718.00	2,18,752.00	42,935.88	14,023.15	...	56,959.03	6/9/12/3 30th
15,24,375.00	...	76,218.75	14,48,156.25	2,36,344.42	92,532.75	...	3,28,877.17	6/9/12/3 26th
6,86,000.55	...	49,000.00	6,37,000.55	1,21,903.18	41,710.90	...	1,63,614.08	5/8/11/2 26th
5,02,000.00	...	47,058.00	4,54,942.00	66,161.69	29,607.66	...	95,769.35	4/7/10/1 29th
4,35,000.00	...	30,000.00	4,05,000.00	69,554.41	26,325.80	...	95,880.21	6/9/12/3 25th
4,07,936.00	...	26,752.00	3,81,184.00	54,749.01	24,789.42	...	79,538.43	6/9/12/3 end of
3,83,625.00	...	27,900.00	3,55,725.00	92,565.71	23,265.94	...	1,15,831.65	5/8/11/2 30th
2,44,600.00	2,44,600.00	22,146.40	15,287.51	...	37,433.91	5/8/11/2 19th
4,95,800.00	4,95,800.00	44,237.78	30,987.52	...	75,225.30	6/9/12/3
17,41,270.00	...	56,170.00	16,85,100.00	1,78,704.53	1,06,001.72	...	2,84,706.25	...
4,35,450.00	...	30,600.00	4,04,850.00	51,403.71	26,479.46	...	77,883.17	1st
5,60,000.00	...	26,250.00	5,33,750.00	32,267.16	34,552.04	...	66,819.20	4/7/10/1 27th
2,80,500.00	2,80,500.00	16,453.43	17,531.26	...	33,984.69	6/9/12/3 1st
7,60,400.00	...	23,762.50	7,36,637.50	34,634.68	47,014.38	...	81,649.06	5/8/11/2 13th
4,69,883.00	...	30,812.00	4,39,071.00	26,963.44	28,482.53	...	55,445.97	6/9/12/3 1st
10,49,000.00	2,47,000	...	12,96,000.00	43,953.85	79,815.81	...	1,23,769.66	4/7/10/1 30th
5,39,000.00	5,39,000.00	14,222.59	33,687.53	...	47,910.12	5/8/11/2 ..
1,96,105.00	1,05,595	...	3,01,700.00	5,897.10	18,530.80	...	24,427.90	...
4,80,350.00	2,58,650	23,210.00	7,15,790.00	13,520.93	45,041.92	...	58,562.85	23rd
12,79,656.00	...	81,248.00	11,98,408.00	32,096.28	77,342.17	...	1,09,438.45	6/9/12/3 8th
5,86,656.00	...	37,248.00	5,49,408.00	15,516.80	35,403.17	...	50,919.97	5/8/11/2 end of
21,58,443.00	...	1,02,783.00	20,55,660.00	46,370.60	1,31,159.88	...	1,77,530.48	4/7/10/1 29th
2,48,235.00	1,33,665	...	3,81,900.00	2,537.28	23,273.69	...	25,810.97	5/8/11/2
8,90,900.00	...	55,700.00	8,35,200.00	4,855.19	54,455.17	...	59,310.36	5th
11,63,240.00	6,26,360	...	17,89,600.00	5,178.81	96,620.08	...	1,01,798.89	6/9/12/3 ...
2,35,23,679.55	13,71,270	10,32,431.75	2,38,62,517.80	25,03,287.51	15,05,435.43		40,09,122.4	

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 31-3-1977
				Improvement Committee Resolution No.	Date	
(1)	(2)	(3)	(4)	(5A)	(5B)	(6)
	Total—Brought forward		Rs. 2,63,02,760			Rs. 2,62,22,760
33	Gabhasti, Jogeshwari	4658/75	4,83,150	653	9-3-1976	4,83,150
34	Amol, Mulund (East)	4237/74	29,44,000	640	9-3-1976	19,13,600
35	Raturajan, Andheri (East)	4623/75	2,45,160	617	2-3-1976	2,45,160
36	Bilwakunja, Mulund (West)	4402/75	31,70,300	511	21-1-1976	20,60,695
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	32,76,325
39	Anjalikiran, Vakola	4136/74	21,50,000	643	9-3-1976	13,97,500
40	Titirsha, Chakala	4648/75	2,68,500	655	9-3-1976	1,74,525
41	Om Satya Vinayak, Borivli	4607/75	17,22,000	85	27-7-1976	11,19,300
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	5,68,100
46	Datta Dham, Kandivli (West)	4825/76	3,37,400	154	25-8-1976	3,37,400
47	Muktanagan, Dahisar (East)	4777/76	7,25,000	259	16-10-1976	7,25,000
48	Neelayam, Mulund (West)	4526/75	3,32,000	185	14-9-1976	99,600
49	Nutan Nishigandh, Vile Parle (East)	4633/75	9,79,000	311	27-11-1976	2,93,700
50	Nav Sai Prasad, Mulund	4640/75	7,99,920	360	7-12-1976	2,39,976
51	Taruvel, Andheri (East)	4559/75	13,99,700	177	14-9-1976	4,19,916
52	Ila Darshan, Andheri (West)	4190/74	10,63,000	265	16-10-1976	3,18,900
53	Dharmakshetra No. 4, Borivli (West)	4324/74	3,17,000	263	16-10-1976	95,100
54	Galaxi Municipal Teachers, Andheri (West)	4568/75	5,06,000	186	14-9-1976	1,51,800
55	Sion Bhagyodaya	4473/75	5,68,000	178	14-9-1976	...
56	Vile Parle Dhanshri	4560/75	3,32,000	271	16-10-1976	...
57	Tree Shade, Andheri (East)	4256/74	33,67,000	275	16-10-1976	...
	Total		5,77,09,690			4,39,25,801

† 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, Nos. 455 of 12-1-1971 and No. 403 of 22-10-1972.

No. 89C

of the Municipal Employees as on 31st March 1977

(Municipal Corporation Act)

LOAN ACCOUNT				INTEREST ACCOUNT†				DUE DATES OF REPAYMENTS
Loan Balance outstanding as on 1-4-1976	Amount of Loan paid during 1976-77	Less : Loan Amount repaid during 1976-77	Loan Balance outstanding as on 31-3-1977	Interest outstanding as on 1-4-1976	Interest Accrued during 1976-77	Less : Interest recovered during 1976-77	Interest outstanding as on 31-3-1977†	
(7A)	(7B)	(7C)	(7D)	(8A)	(8B)	(8C)	(8D)	
Rs. P.	Rs.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	Rs. P.	9
2,35,23,679.55	13,71,270	10,32,431.75	2,38,67,517.80	25,03,287.51	15,05,835.43		40,09,122.94	
...	4,83,150	...	4,83,150.00	...	19,400.48	...	19,400.48	
...	19,13,600	...	19,13,600.00	...	75,616.49	...	75,616.49	
...	2,45,160	...	2,45,160.00	...	10,417.21	...	10,417.21	
9,51,090.00	11,09,605	...	20,60,695.00	4,560.02	92,693.34	...	97,253.36	
...	19,44,900	91,167.00	18,53,733.00	...	1,00,377.65	...	1,00,377.65	
...	32,76,325	...	32,76,325.00	...	1,12,418.77	...	1,12,418.77	
...	13,97,500	...	13,97,500.00	...	49,792.42	...	49,792.42	
...	1,74,525	...	1,74,525.00	...	6,429.75	...	6,429.75	
...	11,19,300	7,350.00	11,11,950.00	...	28,734.42	...	28,734.42	
...	4,70,400	...	4,70,400.00	...	14,327.48	...	14,327.48	
...	8,50,000	...	8,50,000.00	...	10,319.36	...	10,319.36	
...	5,18,000	...	5,18,000.00	...	7,628.09	...	7,628.09	
...	5,68,100	...	5,68,100.00	...	6,420.31	...	6,420.31	
...	3,37,400	...	3,37,400.00	...	3,350.89	...	3,350.89	
...	7,25,000	...	7,25,000.00	...	6,207.20	...	6,207.20	
...	99,600	...	99,600.00	...	955.07	...	955.07	
...	2,93,700	...	2,93,700.00	...	50.29	...	50.29	
...	2,39,976	...	2,39,976.00	...	1,520.40	...	1,520.40	
...	4,19,910	...	4,19,910.00	...	1,078.54	...	1,078.54	
...	3,18,900	...	3,18,900.00	...	1,146.73	...	1,146.73	
...	95,100	...	95,100.00	...	244.26	...	244.26	
...	1,51,800	...	1,51,800.00	...	545.85	...	545.85	
...	
...	
...	
3,44,74,769.55	1,81,23,221	11,31,918.75	4,14,67,041.80	25,07,847.53	20,55,510.44	...	45,63,357.97	

Reconciliation :-

As per Abstract IV-C (subsidiary)	...	Rs. P.	Rs. P.
Less—Other than Individual Societies	...		1,82,05,954.89
Haji Ali Park	...	1,98,804.75	
Worli	...	85,164.14	
			— 2,84,968.89
Add—Debts raised during 1975-76 but payments released during 1976-77	...		1,79,20,986.00
			19,98,410.00
Less—Debits raised during 1976-77 but payments outstanding as on 31-3-1977	...		1,99,19,396.00
			— 17,96,175.00
As per Column No. (7B) above	...		1,81,23,221.00

APPENDIX No. 31

EDUCATION FUND

Revenue Account for the year ended 31st March 1977.

Particulars	Total		Particulars	Total	
	Rs.	P.		Rs.	P.
To Revenue Expenditure ...	17,08,22,894	47	By Revenue Receipts ...	18,34,38,345	05
To Balance being Surplus for the year ...	1,26,15,450	58	By Balance being deficit for the year ...	...	...
Total ...	18,34,38,345	05	Total ...	18,34,38,345	50
To Revenue Expenditure to be incurred in 1977-78 and provided for as Renewed Grants...	1,11,50,000	00	By Surplus Revenue Fund as at 1st April 1975 ...	41,67,244	58
To Deficit for the year ...	...	...	By Revenue of previous years reserved for the year 1975-76 ...	1,16,40,000	00
To Balance being Surplus Revenue Fund as at 31st March 1977 ...	1,72,72,695	16	By Surplus for the year ...	1,26,15,450	58
Total ...	2,84,22,695	16	Total ...	2,84,22,695	16

APPENDIX No. 34

EDUCATION FUND

Revenue Account Balance Sheet as at 31st March 1977.

Liabilities.			Assets		
	Rs.	P.		Rs.	P.
Due on Cheques Payable	42,09,156	82	Cash at Bank	Rs. 26,59,654	89
			Cash in Office	Rs. 74,80,094	95
Due on Outstanding Charges on account of Interest Accrued but Not Paid	12,88,596	86	Education Loan Interest Warrants Payable Account.		2,053 75
Unclaimed Dues & Deposits (Refundable) Account	3,30,562	61	Advances—Recoverable		
Deposits in Cash and Public Securities from Contractors and Private Parties..	1,02,13,142	33	Municipal Officers	Rs. 3,66,989	99
Municipal Contribution Payable to Budget 'A'			Sundries—Miscellaneous advances	Rs. 1,18,71,763	54
Division I	Rs. 27,65,288	00	Deposits—In Securities	Rs. 37,100	00
Do. II			In Office		37,100 00
Do. III	Rs. 8,261	07	Municipal Contribution Receivable—From Budget 'A' Division II	Rs. 2,02,412	35
Endowment Fund	4,59,282	25	Investments—		
Due on Outstanding Charges for 1976-77 and previous year	1,11,50,000	00	Endowment Fund—		
Surplus Revenue Fund (Vide Appendix No. 31)	1,72,72,695	16	In securities	Rs. 4,53,221	06
			In Fixed Deposit	Rs. 6,000	00
			In cash	Rs. 61	19
			Surplus Fund—		
			In Securities*	Rs. 1,84,75,526	49
			In Fixed Deposit	Rs. 58,00,000	00
			In Call Deposit		
			In Cash at Bank	Rs. 3,42,106	89
Total	4,76,96,985	10	Total	4,76,96,985	10

* Details of Securities held in Surplus Fund—

	Face value	Book Value
	Rs.	Rs. P.
31% Bombay Municipal Debentures 1947	500	437.50
3% Conversion Loan 1946	1,600	1,288.99
6% Rs. 25 lakhs B. M. D. Budget 'E' (Internal) Loan 1967-68	25,00,000	25,00,000.00
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	80,09,100	80,09,100.00
6% Rs. 50 lakhs B. M. D. Budget 'A' Div—I Loan 1965-66	18,32,500	18,32,500.00
61% Rs. 50 lakhs B. M. D. Budget 'E' (Internal) Loan 1974-75	7,27,700	7,27,700.00
61% Rs. 50 lakhs B. M. D. Budget 'E' (Internal) Loan 1975-76	50,00,000	50,00,000.00
Total	1,84,75,900	1,84,75,526.49

APPENDIX No. 35

EDUCATION FUND

Capital Fund Balance Sheet as at 31st March 1977.

Liabilities		Assets		
	Rs.	P.	Rs.	P.
Loans Outstanding—			Block Account—	
Due to Public ...	11,56,00,000	00	Loan Funds ...	17,44,43,349 97
Trust Fund ...	694	31	Trust Fund ...	2,08,755 42
Surplus—			Investment—	
Sinking Fund ...	2,77,69,469	40	Sinking Fund	
Contribution from Trust Fund ...	2,08,755	42	In Securities Rs. 2,77,69,229 44	
Contribution from Government ...	10,00,000	00	In cash at Bank Rs. 239 96	
Advance from Surplus Monies for meeting Capital Expenditure pending raising of Loans ...				*2,77,69,469.40
Loan Redemption Fund Rs. 5,91,00,000.00			Trust Fund	
Less—			Cash in Current Account ...	694 31
Assets written off Rs. 2,44,495.14	5,88,55,504	86	Loan Fund	
			In Securities Rs. ...	10,12,000.00
			In Fixed Deposit ...	...
			In Call Deposit ...	...
			In Cash at Bank Rs. ...	160.89
				10,12,160 89
Grand Total ...	20,34,34,423	99	Grand Total...	20,34,34,423.99

* Face and Market values of Securities held in the Sinking Fund, were Rs. 2,78,17,100 and Rs. 2,77,75,707 respectively, being Municipal Debentures valued at par, vide details shown in Appendix No 41.

APPENDIX No. 36 (Contd.)

Statement showing Capital Works Expenditure upto 31st March 1977

Education Fund.

Capital Account	Total Capital Works Expenditure upto 31st March 1976.	Capital Works Expenditure during 1976-77.	Total Capital Works Expenditure upto 31st March, 1977.
	Rs.	Rs.	Rs.
Loan Funds.			
City Section ...	7,17,76,808 30	73,11,779 47	7,90,88,587 77
Suburban Section ...	4,84,84,559 67	54,90,019 04	5,39,74,578 71
Extended Suburban Section ...	3,49,73,057 16	64,07,120 33	4,13,60,177 49
Total-Loan Fund ...	15,52,34,425 13	1,92,08,918 84	17,44,43,343 97
Trust Fund ...	2,08,755 42	...	2,08,755 42
Grand Total ...	15,54,43,180 55	1,92,08,918 84	17,46,52,099 39

APPENDIX No. 37
(Consolidated)

Outstanding Balances of Loans on 31st March 1977 pertaining to Education Fund (Budget 'E').

Serial No.	Particulars of Loans	Rate of interest per annum.	Outstanding Loan Balance on 31st March 1977.
1	2	3	4
			Rs.
1	Rs. 10 Lakhs Loan 1960-61*	4½%	10,00,000.00
2	Rs. 10 Lakhs Loan 1961-62*	4½%	10,00,000.00
3	Rs. 25 Lakhs Loan 1962-63*	4½%	25,00,000.00
4	Rs. 12.5 Lakhs Loan 1963-64*	4½%	12,50,000.00
5	Rs. 50 Lakhs Loan 1965-66*	5½%	50,00,000.00
6	Rs. 25 Lakhs Loan, 1966-67	5½%	25,00,000.00
	Rs. 25 Lakhs Loan, 1966-67*	6%	25,00,000.00
8	Rs. 25 Lakhs Loan, 1967-68*	6%	25,00,000.00
9	Rs. 20 Lakhs Loan, 1968-69*	6%	20,00,000.00
10	Rs. 25 Lakhs Loan, 1968-69	6%	27,50,000.00
11	Rs. 25 Lakhs Loan, 1969-70	6%	27,50,000.00
12	Rs. 30 Lakhs Loan, 1970-71	6%	33,00,000.00
13	Rs. 30 Lakhs Loan, 1971-72	6%	33,00,000.00
14	Rs. 20 Lakhs Loan, 1971-72*	6%	20,00,000.00
15	Rs. 75 Lakhs Loan, 1972-73	6%	82,50,000.00
16	Rs. 100 Lakhs Loan, 1972-73*	6%	1,00,00,000.00
17	Rs. 100 Lakhs Loan, 1973-74	6%	1,10,00,000.00
18	Rs. 50 Lakhs Loan, 1974-75*	6½%	50,00,000.00
19	Rs. 100 Lakhs Loan, 1974-75	6½%	1,10,00,000.00
20	Rs. 50 Lakhs Loan, 1975-76	6½%	55,00,000.00
21	Rs. 50 Lakhs Loan, 1975-76 *	6½%	50,00,000.00
22	Rs. 50 Lakhs Loan 1976-77	6½%	55,00,000.00
23	Rs. 150 Lakhs Loan 1976-77*	6½%	1,50,00,000.00
24	Rs. 50 Lakhs (Additional) Loan 1976-77*	6½%	50,00,000.00
	Total Loan for Education..		11,56,00,000.00

* Internal Loan

APPENDIX No. 40—(Contd.)

EXPENDITURE—A. REVENUE ACCOUNT		Rs.	P.
A.—General Supervision and Administration	..	39,25,769	57
B.—Municipal Primary Schools	..	13,63,75,159	63
C.—Private Primary Schools	..	61,04,365	27
D.—Medical Inspection of School Children	..	17,10,490	98
E.—Enforcement of Compulsion	..	1,27,697	48
F.—Educational Activities	..	19,08,018	41
G.—Pension and Provident Fund	..	85,23,200	00
I.—New Works	..	7,02,762	00
J.—Debt Charges	..	1,06,22,989	42
K.—Training Facilities for Municipal Teachers	..	35,284	21
L.—Proportionate Cost of Collection of Education Cess	..	5,35,778	21
M.—Extra-Curricular Activities	..	2,39,404	61
N.—Lumpsum provision for payment of Centenary Gift	..	10,974	68
Total—Revenue Expenditure		17,08,22,894	47
EXPENDITURE—B.—CAPITAL ACCOUNT			
(1) Loan Funds—	..	1,92,08,918	84
(2) Trust Fund	..	—	—
Total—Capital Expenditure		1,92,08,918	84
EXPENDITURE—C.—SUSPENSE ACCOUNT			
Advances to Municipal Officers—			
(a) Standing Advances for Contingent expenditure	..	12,851	55
(b) Motor Cars and Motor Cycles to Officers	..	13,456	00
Dishonoured Cheques	..	50,228	57
Loan Scholarship to Municipal Teachers under Training	..	57	05
Advance for meeting the cost of repairs to private buildings housing Municipal Schools under Section 489/499 recoverable from the landlords.	..	—	—
Sundries—Miscellaneous Advances	..	1,14,51,113	86
Total—Advances		1,15,27,707	03
Paper and Cash Account—State Bank of India and other Local Banks including paper Deposits in Office Custody—			
Sinking Fund (Paper and Cash) Account	..	64,57,507	00
Endowment Fund (Paper and Cash) Account	..	49,245	00
Loan Fund (Paper and Cash) Account	..	10,12,160	89
Surplus Fund (Paper and Cash) Account	..	3,37,53,492	96
Sundry Deposits Account	..	—	—
Total—Paper and Cash		4,12,74,498	85
Deposit Account	..	1,43,1,521	12
Provident Fund Payments	..	1,85,86,715	00
Provident Fund Investments	..	74,60,896	88
Cheques Payable	..	19,31,03,828	92
Wages Deposit Account	..	—	—
Municipal Contribution Receivable	..	—	—
Municipal Contribution Payable (Refundable)	..	4,35,64,633	47
Endowment Fund Account	..	—	—
Sinking Fund Account Education	..	1,25,00,000	00
Education Loan Interest Warrants—Payable Account	..	3,58,452	44
Interest Accrued but not paid	..	2,34,375	00
Interest Receivable Account	..	—	—
Investment of Surplus Monies in Public Securities	..	—	—
Advance from Surplus Monies for financing Capital Works Expenditure pending raising of New Loans	..	—	—
Repayment of Loan Account	..	1,25,00,000	00
Unclaimed Dues and Deposits (Refundable) Account	..	2,060	75
Total—Deposits etc.		3,56,39,533	58
Total—Suspense Expenditure		35,84,41,739	46

APPENDIX No.—40—(Contd.)

EDUCATION FUND

Statement showing the amounts of Receipts and Expenditure respectively credited and debited to the Education Fund during the year 1976-77 and the balance at the credit of the Fund at the close of the year 1976-77 (i.e., 31st March 1977).

	Rs.	P.
RECEIPTS—A.—REVENUE ACCOUNT		
(1A) Education Cess	3,82,74,284	98
(2) Contribution towards Primary Education from Municipal Corporation under Section 126C(c) of the Bombay Municipal Corporation Act—		
(i) From Budget 'A' Div. I	2,69,79,198	00
(ii) From Budget 'A' Div. II	1,44,75,700	00
(iii) From Budget 'A' Div. III	64,46,828	00
(2A) Special Contribution from—		
(i) From Budget 'A' Division I	7,36,72,000	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	1,99,49,285	00
(4) Interest on Endowment and Investments	10,458	90
(5) Rent and other proceeds of properties	13,64,056	28
(6) Interest and Profits on Investments of Surplus, Loan and other balances	15,16,628	39
(7) Miscellaneous Receipts	7,49,905	50
Total—Revenue Receipts	18,34,33,345	05
RECEIPTS—B.—CAPITAL ACCOUNT		
(1) New Loans	2,02,21,079	73
(2) Trust Fund	...	...
(3) Advance from Surplus Monies for meeting Capital work Expenditure pending raising of New Loans	...	...
Total—Capital Receipts	2,02,21,079	73
RECEIPTS—C.—SUSPENSE ACCOUNT		
Advances to Municipal Officers—		
(a) Standing Advances for Contingent Expenditure	3,267	50
(b) Motor Cars and Motor Cycles to Officers	39,81	46
Dishonoured Cheques	50,228	57
Loan scholarships to Municipal Teachers Under Training	3,529	50
Advances for meeting the cost of repairs to private buildings housing municipal schools under Section 489/499 recoverable from the landlords.	...	...
Sundries—Miscellaneous Advances	33,38,451	34
Total—Advances	34,34,958	37
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	-1,34,75,206	32
(2) Endowment Fund (Paper and Cash) Account	25,000	00
(3) Loan Fund (Paper and Cash) Account	...	...
(4) Surplus Fund (Paper and Cash) Account	2,85,23,505	89
(5) Sundry Deposits Account	55,00,000	00
Total—Paper and Cash	4,75,23,712	21
Deposit Account	1,45,82,203	07
Provident Fund Recoveries	1,85,86,765	00
Provident Fund Investments	74,60,896	88
Cheques Payable	19,34,68,816	99
Wages Deposit Account	...	...
Municipal Contribution Receivable	...	...
Endowment Fund Account	24,345	00
Sinking Fund Account—Education	54,81,293	68
Municipal Contribution payable	4,10,63,844	51
Education Loan Interest Warrants Payable Account	33,57,431	44
Interest Receivable Account	...	...
Interest Accrued but not paid	1,81,076	38
Investment of Surplus Monies in Public Securities	...	...
Loan Redemption Fund Account	1,25,00,000	00
Unclaimed Dues and Deposits (Refundable) Account	733	25
Advances from surplus monies for financing Capital Work Expenditure pending raising of New Loans	52,78,920	27
Total—Deposits etc.	30,20,89,326	47
Total—Suspense Receipts	35,30,47,997	05

**APPENDIX No. 40--(Concl.)
SUMMARY**

Receipts.		Account	Disbursements.	
Rs.	P.		Rs.	P.
19,06,575	09	Opening Balance on 1st April 1976--		
18,34,38,345	05	A.—Revenue Account ...	17,08,22,894	47
2,02,21,079	73	B.—Capital Account ...	1,92,08,918	84
35,30,47,997	05	C.—Suspense Account ...	35,84,41,739	46
55,67,07,421	83	Closing Balance on 31st March 1977. ...	54,84,73,552	77
55,86,13,996	92	Total ...	1,01,40,444	15*
			Rs.	P.
		* Bank's Reconciliation—		
		Balance as per Bank's Pass Book ...	41,61,237	69
		Add—Revenue sent to the Bank on 31st March 1977 but acknowledged on 1st April 1977. ...		
		Total ...	41,61,237	69
		Less—Uncashed cheques ...	15,01,582	80
		Balance as per Day Book (Col. No. 10)	26,59,654	89
		Balance in Office in Government Promissory Notes etc. ...		
		Balance in Office in Cash ...	5,686	42
		Collection kept in office ...	74,75,102	84
		Closing Balance as shown at * above	1,01,40,444	15

REVENUE AND ELECTIONS

(Assessment and Collection Department).

HIGH LIGHT—

I.—Money spent on—

(Rupees in lacs.)

	City	Subs.	Extd. subs.	Octroi	Total
	Rs.	Rs.	Rs.	Rs.	Rs.
(i) Establishment	75.94	45.61	18.80	18.80	189.23
(ii) Other expenses	25.40*	4.98	1.77	5.41	38.56
(iii) Commission to Collecting Agencies				45.75	45.75

* This includes the cost of Rs. 19.58 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 vigorous collection drive the recovery of municipal property taxes including wheel tax and Octroi was in excess to the tune of Rs. 34.12 crores as compared with last year. The details whereof are shown below :

(Rupees in lacs.)

Property Taxes including Wheel Tax.			Octroi			Total excess.
Collection in 1975-76	Collection in 1976-77	Excess.	Collection in 1975-76	Collection in 1976-77	Excess.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
5,501	7,371	1,870	3,258	4,800	1,542	3,412

As the property taxes together with Octroi form a bulk of 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 rate-payers filed writ petitions in the High Court challenging the validity of the amendment and the petitions are still pending in spite of the efforts to get the same disposed of expeditiously.

Collection of Municipal property taxes including water charges is Rs. 71.45 crores as against the collection of Rs. 52.88 crores during the last year meaning thereby that Rs. 18.57 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. 77.86 crores whereas the total outstandings which relate to all the past and previous years is above Rs. 38.48 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 was increased to a large extent partly because of the increase in rates both of property taxes and water charges (which were practically doubled) and partly because of the re-assessment of properties in posh locality. The scheme of re-assessment of those properties has since been dropped but the inflated outstandings on this account would be reduced only when the writ petitions filed by the ratepayers would come up for hearing and dismissed. The percentage of collection of property taxes to the effective demand is 91.45 in the City, 72.19 in Suburbs and 66.22 in Extended Suburbs.

As regards water Charges, percentage of collection to net demand in City is 81.79 whereas that in Suburbs and Extended Suburbs is 69.83 and 70.25 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 quinquenniums with the railway authorities and the work is expected to be completed in 1978-79. 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 Peshonji 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 started the work and is expected to complete the same by the end of 1978.

The Central Government who have decided to pay Service Charges from 1st April 1974 in respect of their properties covered by Article 285 (1) of the Constitution have paid Rs. 87.70 lacs on that account during the year 1976-77.

Building Repairs Cess.—Repairs Cess collected during the year 1976-77 amounts to Rs. 3.90 crores which is in excess by Rs. 11 lacs over the collection for the previous year.

OCTROI.—In 1976-77, rates of Octroi continued to be the same as those in the last year for the period from 1st April 1976 to 31st July 1976. The same were revised from 1st August 1976 as per Corporation Resolution No. 108 dated 10th May 1976 and confirmed by the Government of Maharashtra under Government Resolution No. Tax-1776/2719-UD-3, dated 17th July 1976.

Octroi collected during 1976-77 amounts to Rs. 48.00 crores as against the amount of Rs. 32.58 crores collected during the year 1975-76. This shows that an amount of Rs. 15.42 crores was collected in excess over the collection for last year. Figures are shown here for comparison.

(Rupees in Crores.)

	Year.			Increase over 1975-76
	1974-75	1975-76	1976-77	
(1) Gross Collection	Rs. 28.46	Rs. 32.58	Rs. 48.00	+ 15.42
(2) Less—Refunds	3.95	4.51	4.39	— 0.12
(3) Net Revenue	24.51	28.07	43.61	+ 15.54
(4) Fees for stamping	0.02	0.04	0.03	— 0.01
(5) Fees in respect of Refunds	0.32	0.15	0.35	+ 0.20
(6) Departmental Collection	20.08	22.91	34.08	+ 11.17

1,06,498 claims for refund of octroi on goods exported out of Greater Bombay were received as compared to 82,471 claims received in last year.

During the year under report, Rules 2 (7) (a) and 4 (c) of (Levy of) Octroi Rules were amended, so as to modify the definition of "Value" which were given effect to from 1st October 1976. Consequently, the new definitions permit addition, inter-alia, of Customs Duty paid or to be paid to the cost price of imported articles, whereby there has been increase in Octroi recovery to that extent.

ELECTIONS.—In all 15 Election Petitions were filed in Small Causes Court against results of Poll of General Elections held in March 1973. At the end of the year 1976-77, Special Civil Applications filed in High Court on judgements of Small Causes Court in respect of Election Petitions in 3 wards, viz., 20, 41 and 57 were still pending. Remaining 12 Election Petitions in respect of Wards Nos. 9, 15, 27, 34, 35, 58, 69, 77, 85, 96, 120 and 121 have been either upheld, dismissed or withdrawn.

By Maharashtra Municipal Corporation (Amendment) Act, 1976—Maharashtra Act No. XIII of 1976—gazetted on 12th August 1976, Government of Maharashtra have amended Section 5 of the Bombay Municipal Corporation Act, so as to provide for reservation of such number of seats on the Municipal Corporation of Greater Bombay as Government may deem fit and notify, having regard to the population of members of Scheduled Castes in Greater Bombay, for the purposes of bye-elections and General Elections to be held after commencement of the said Maharashtra Act No. XLII of 1976.

The Emergency declared by Government of India on 25th June, 1975, during continuance of which and for 6 months thereafter, no general elections or bye-elections of Councillors of any Municipal Council or any Municipal Corporation in Maharashtra were to be held, as per Maharashtra Ordinance No. X of 1975 issued on 18th September 1975 subsequently replaced on 13th December 1975 by Maharashtra Municipal Councils and Municipal Corporations (post-ponement of Elections during the Emergency) Act 1975—Maharashtra Act No. LV of 1975 was lifted on 20th March 1977.

It will, therefore, be possible to hold after 20th September 1977, general elections which are due to be held between January to March 1978.

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.	1 % 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 account of Water Charges Bill.	

APPENDIX No. 2.

Statement showing the position of properties during the year 1976-77.

Properties.	City	Suburbs.	Extended Suburbs.	Total
(1) Properties as on 31-3-1977	76,078	94,197	51,077	2,21,352
(2) Properties excepted from Central Tax	4,346	1,796	1,062	7,204
(3) Properties newly assessed	565	3,179	1,149	4,893
(4) Properties enlarged	3,380	4,868	2,647	10,895
(5) Properties demolished	249	641	254	1,144

APPENDIX No. 3.

Statement of Rateable Value as on 31-3-1977, rates of Rateable Value per head etc.

	City	Suburbs.	Extended Suburbs.	Total.
(1) Rateable Value	Rs. 69,74,32,399	40,95,96,216	18,43,39,394	1,29,14,17,999
(2) Population (1971 Census)	30,67,381	21,68,160	7,33,065	59,68,606
(3) Rate per head of population	Rs. 224.99	183.92	244.80	215.24
(4) Complaints against R. V.	2,471	4,483	2,610	9,564
(5) Reduction in Rateable value	11.43%	10.9%	7.15%	9.82%
(6) Appeals received against rateable value	687	68	975	1,700
(7) Appeals pending against Rateable value...	557	335	1,504	2,396

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	1974-75	34.26	25.28	73.78	8.98	26.22
Suburbs	"	"	21.83	12.65	57.95	9.18	42.05
Extended Suburbs	"	"	10.28	5.19	50.50	5.09	49.50
City	"	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	Wheel Tax	1974-75	3.72	1.05	28.35	2.67	71.65
Suburbs	"	"	1.41	0.23	16.28	1.18	83.72
Extended Suburbs	"	"	0.28	0.05	22.44	0.22	77.56
City	"	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	64.59

Miscellaneous Receipts in 1976-77

(Amount shown in lacs)

		City	Suburbs	Ext'd. Suburb	Total
(1) Notice fee	Rs.	1.40	1.40	0.94	3.74
(2) Warrant Cost	Rs.	1.58	1.29	0.45	3.32
(3) Penalty	Rs.	7.11	5.33	2.34	14.78
Amount of General Tax exempted. (Rs. in crores)	(ii) 1975-76	1.76	0.26	0.24	2.26
	(iii) 1976-77	1.76	0.24	0.16	2.16

APPENDIX No. 5.

Statement showing Total Demand, Collection and Outstanding of Municipal Taxes during 1976-77
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 1-4-76	Amount bills issued during the year	Gross demand	Amount 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 31-3-77	Percentage of collection to effective demand
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CITY—Upto and										
1974-75	4.17	0.99	5.16	0.31	4.85			1.86	2.99	
1975-76	5.94	1.19	7.13	1.58	5.55			2.54	3.01	
1976-77	...	36.99	36.99	6.64	30.35			22.12	8.23	
TOTAL	10.11	39.17	49.28	8.53	40.75	12.00	28.75	28.52	14.23	91.45
SUBURBS—										
Upto and, 1974-75	4.30	0.24	4.54	0.09	4.45			0.98	3.47	
1975-76	3.52	0.85	4.37	0.68	3.69			1.88	1.81	
1976-77	...	16.92	16.92	2.28	14.64			9.71	4.93	
TOTAL	7.82	18.01	25.83	3.05	22.78	6.03	16.70	12.57	10.21	72.19
EXTD. SUBURBS—										
Upto and, 1974-75	3.08	0.03	3.11	0.03	3.08			0.55	2.53	
1975-76	1.97	0.30	2.27	0.21	2.06			1.02	1.04	
1976-77	...	7.67	7.67	1.13	6.54			4.39	2.15	
TOTAL	5.05	8.00	13.05	1.37	11.68	2.59	9.18	5.96	5.72	65.22

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

(Amount shown in lacs.)

Period	Outstand- ing as on 1-4-76 ;	Amount of bills issued during the year 1976-77	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstand- ing as on 31-3-77	Percent- age of collec- tion to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75 ...	55.54	10.67	66.21	3.42	62.79	...	...	25.28	37.51	...
1975-76 ...	112.30	140.80	253.10	19.89	233.21	...	...	182.82	50.39	...
1976-77 ...	...	1536.91	1536.91	29.05	1507.86	...	...	1266.66	241.30	...
Total ...	167.84	1688.38	1856.22	52.36	1803.86	...	...	1474.66	329.20	81.79
Suburbs—										
Upto and 1974-75 ...	116.64	14.51	131.15	4.43	126.72	...	...	56.29	70.43	...
1975-76 ...	129.22	177.83	307.05	24.62	282.43	...	...	173.14	104.29	...
1976-77 ...	...	877.99	877.99	21.87	856.12	...	...	649.01	207.11	...
Total ...	245.86	1070.33	1316.19	50.92	1265.27	...	...	883.44	381.83	69.83
Extended Suburbs—										
Upto and 1974-75 ...	25.15	5.50	30.65	2.92	27.73	...	...	14.38	13.35	...
1975-76 ...	49.65	62.24	111.89	6.05	105.83	...	...	78.63	27.20	...
1976-77 ...	...	274.07	274.07	5.07	269.00	...	...	189.40	79.60	...
Total ...	74.80	341.81	416.61	14.05	402.56	...	...	282.41	120.15	70.25

(3) Sewerage Charges.

(Amount shown in lacs.)

Period	Outstand- ing as on 1-4-76	Amount of bills issued during the year 1976-77	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstand- ing as on 31-3-77	Percent- age of collec- tion to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75 ...	7.70	1.53	9.23	0.48	8.75	...	...	...	3.37	5.38
1975-76 ...	39.35	44.59	83.94	4.96	78.98	...	...	...	65.32	13.66
1976-77 ...	...	459.09	459.09	7.52	451.57	...	...	...	365.38	86.19
Total ...	47.05	505.21	552.26	12.96	539.30	...	...	...	434.07	105.23
Suburbs—										
Upto and 1974-75 ...	13.95	5.50	19.45	0.11	19.34	...	...	...	6.46	12.88
1975-76 ...	37.88	34.11	71.99	9.35	62.64	...	...	...	25.02	37.62
1976-77 ...	...	90.63	90.63	1.84	88.79	...	...	...	65.43	23.35
Total ...	51.83	130.24	182.07	11.30	170.77	...	...	...	96.91	73.86
Extended Suburbs—										
Upto and 1974-75 ...	0.48	0.08	0.56	...	0.56	...	...	...	0.05	0.51
1975-76 ...	0.62	0.41	1.03	...	1.03	...	...	...	0.50	0.53
1976-77 ...	...	1.71	1.71	...	1.71	...	...	...	0.46	1.25
Total ...	1.10	2.20	3.30	...	3.30	...	...	...	1.01	2.29

(4) Wheel Tax.
(Amount shown in lacs)

Period	Outstanding as on 1-4-76	Amount of bills issued during the year 1976-77	Cross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstanding as on 31-3-77	Percentage of collection to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75	203.72	15.84	219.56	17.30	202.26	...	...	23.97	178.29	...
1975-76	48.29	11.47	59.76	5.27	54.49	...	...	25.15	29.34	...
1976-77	...	171.47	171.47	5.65	165.82	...	...	115.86	49.96	...
Total	252.01	198.78	450.79	28.22	422.57	157.78	264.79	164.98	257.59	62.30
Suburbs—										
Upto and 1974-75	102.06	6.22	108.28	9.60	98.68	...	...	10.06	88.62	...
1975-76	20.21	5.66	25.87	0.68	25.19	...	...	8.46	16.73	...
1976-77	...	53.01	53.01	1.12	51.89	...	...	29.41	22.48	...
Total	122.27	64.89	187.16	11.40	175.76	75.17	100.50	47.93	127.83	47.93
Extended Suburbs—										
Upto and 1974-75	16.81	2.56	19.37	1.52	17.85	...	...	2.98	14.87	...
1975-76	5.91	0.97	6.88	0.65	6.23	...	...	2.38	3.85	...
1976-77	...	14.79	14.79	0.48	14.31	...	...	8.13	6.18	...
Total	22.72	18.32	41.04	2.65	38.39	14.74	23.65	13.49	24.90	56.20

(5) Water Benefit Tax.
(Amount in lacs).

Period	Outstanding as on 1-4-76	Amount of bills issued during the year 1976-77	Cross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstanding as on 31-3-77	Percentage of collection to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75	15.56	2.42	17.98	1.00	16.98	...	...	8.20	8.78	...
1975-76	49.29	9.59	58.88	11.47	47.41	...	...	20.14	27.27	...
1976-77	...	441.52	441.52	77.22	364.30	...	...	260.68	103.62	...
Total	64.85	453.53	518.38	89.69	428.69	...	...	289.02	139.67	...
Suburbs—										
Upto and 1974-75	16.63	1.76	18.39	0.59	17.80	...	...	5.22	12.58	...
1975-76	37.18	7.20	44.38	5.61	38.77	...	...	15.67	23.10	...
1976-77	...	213.60	213.60	23.80	184.80	...	...	110.88	73.92	...
Total	53.81	222.56	276.37	35.00	241.37	...	...	131.77	109.60	...
Extended Suburbs—										
Upto and 1974-75	11.03	0.24	11.27	0.18	11.09	...	...	2.71	8.38	...
1975-76	17.11	2.58	19.69	1.71	17.98	...	...	7.93	10.05	...
1976-77	...	93.68	93.68	13.41	80.27	...	...	48.09	32.18	...
Total	28.14	96.50	124.64	15.30	109.34	...	...	58.73	50.61	...

(6) Sewerage Benefit Tax.

(Amount in lacs).

Period	Outstand- ing as on 1-4-76	Amount of bills issued during the year 1976-77	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstand- ing as on 31-3-77	Perce- ntage of collec- tion to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75 ...	11.42	1.78	13.20	0.85	12.35	...	...	5.34	7.01	
1975-76 ...	32.85	6.26	39.11	7.33	31.78	...	...	13.95	17.83	
1976-77 ...	...	265.66	265.66	47.11	218.55	...	...	156.57	61.98	
Total ...	44.27	273.70	317.97	55.29	262.68	...	...	175.86	85.82	
Suburbs—										
Upto and 1974-75 ...	11.36	1.50	12.86	0.56	12.30	...	...	4.26	8.04	
1975-76 ...	21.94	4.77	26.71	3.77	22.94	...	...	10.89	12.05	
1976-77 ...	...	123.08	128.08	17.32	110.76	...	...	70.24	40.52	
Total ...	33.30	134.35	167.65	21.65	146.00	...	...	85.39	61.61	
Extended Suburbs—										
Upto and 1974-75 ...	7.23	0.18	7.41	0.13	7.28	...	...	1.85	5.43	
1975-76 ...	11.09	1.71	12.80	1.15	11.65	...	...	5.42	6.23	
1976-77 ...	...	56.49	56.49	8.07	48.42	...	...	26.22	22.20	
Total ...	18.32	58.38	76.70	9.35	67.35	...	...	33.49	33.86	

APPENDIX No. 6.

Statement showing Total Demand, Collection and Outstanding of Government Taxes and Cess during 1976-77.

(i) State Education Cess.

(Amount in lacs).

Period	Outstand- ing as on 1-4-76	Amount of bills issued during the year 1976-77	Gross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstand- ing as on 31-3-77	Perce- ntage of collec- tion to effective demand.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1974-75 ...	110.60	5.21	115.81	6.02	109.79	...	...	28.76	81.03	
1975-76 ...	142.95	26.99	169.94	37.13	132.81	...	...	58.28	74.53	
1976-77 ...	...	762.66	762.66	147.04	615.62	...	...	441.17	174.45	
Total ...	253.55	794.86	1048.41	190.19	858.22	...	...	528.21	330.01	
Suburbs—										
Upto and 1974-75 ...	66.17	0.87	67.04	2.91	64.13	...	...	11.81	52.32	
1975-76 ...	86.43	13.28	99.71	13.87	85.84	...	...	32.76	53.03	
1976-77 ...	...	300.64	300.64	39.93	260.71	...	...	135.62	97.09	
Total ...	152.60	314.79	467.39	56.71	410.68	...	...	203.19	202.44	
Extended Suburbs—										
Upto and 1974-75 ...	42.02	0.43	42.45	0.72	41.73	...	...	8.49	33.24	
1975-76 ...	40.10	5.84	45.94	4.39	41.55	...	...	18.38	23.17	
1976-77 ...	...	145.17	145.17	24.31	120.86	...	...	65.62	55.24	
Total ...	82.12	151.44	233.56	29.42	204.14	...	...	92.49	111.65	

(2) Urban Immoveable Property Tax.

(Amount in lacs.)

Period	Outstanding as on 1-4-76	Amount of bills issued during the year 1976-77	Cross Demand.	Amount of bills recalled.	Net demand.	Less unsettled demand.	Effective demand.	Collection during 1976-77	Outstanding as on 31-3-77	Percentage of collection to effective demand
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
City—										
Upto and 1962-63 ...	0.74	...	0.74	0.01	0.73			0.03	0.70	
Suburbs—										
Upto and 1962-63 ...	2.39	...	2.39	0.12	2.27			0.05	2.22	
Extended Suburbs—										
Upto and 62-63 ...	1.53	...	1.53	...	1.53			0.19	1.34	
Total ...	4.66	...	4.66	0.13	4.53			0.27	4.26	

(3) The Additional State Education Cess.

(Amount in lacs.)

City—										
Upto and 1973-74 ...	6.54	0.34	6.88	0.45	6.43			2.00	4.43	
Suburbs—										
Upto and 1973-74 ...	8.59	0.03	8.62	0.09	8.53			0.98	7.55	
Extended Suburbs—										
Upto and 1973-74 ...	4.83	0.04	4.87	0.04	4.83			0.74	4.09	
Total ...	19.96	0.41	20.37	0.58	19.79			3.72	16.07	

Total Demand, Collection and Outstanding of Repairs & Reconstruction Cess during the year 1976-77 for the City Wards.

Past and Previous years.	A ...	165.84	5.61	171.45	5.15	166.30		68.25	98.05
	B ...	23.61	0.23	23.84	0.79	23.05		6.33	16.72
	C ...	47.50	0.49	47.99	1.29	46.70		9.65	37.05
	Total ...	236.95	6.33	243.28	7.23	236.05		84.23	151.82
Current year 1976-77.	A ...	...	355.55	355.55	18.38	337.17		244.57	92.60
	B ...	...	34.66	34.66	2.18	32.48		23.02	9.46
	C ...	...	62.05	62.05	3.20	58.86		38.59	20.26
	Total ...	...	452.26	452.26	23.76	428.50		305.18	122.32
Grand Total ...	...	236.95	458.59	695.54	30.99	664.55		390.41	274.14

APPENDIX No. 7.

Bill issued during the year 1976-77.

	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 ...	3,249	1,62,815	4,275	1,92,279	1,645	1,04,268	9,169	4,59,362
Water Charges by meter measurement including meter hire ...	26,952	61,584	76,988	1,14,262	31,082	57,340	1,35,022	2,33,186
Wheel Tax ...	84,043	1,23,200	27,887	43,653	11,827	11,981	1,23,757	1,78,834
TOTAL ...	1,14,244	3,47,599	1,09,150	3,50,194	44,554	1,73,589	2,67,948	8,71,382

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 31-3-1977.

(Rupees in lacs.)

	City	Suburbs.	Extended Suburbs.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Government and Dy. Custodian of Evacuee Properties ...	89.30	23.40	10.30	123.00
(2) Bombay Port Trust ...	24.18	0.24	...	24.42
(3) B. M. C. Impts.) and other Municipal Departments ...	48.71	25.54	8.49	82.74
(4) Properties under attachment, ...	96.24	107.53	63.30	267.07
(5) Amounts involved in respect of unauthorised structures and hutments. ...	44.12	222.71	112.50	379.33
(6) Amounts due from B. E. S. T. Undertaking ...	4.68	1.07	0.12	5.87
(7) Instalments allowed. ...	42.90	16.91	24.02	83.83
(8) Monthly tenancy structures ...	5.41	29.58	27.48	62.47
(9) Amounts held in deposits ...	17.36	43.54	22.87	83.77
(10) Other ratepayers :—				
(a) Property taxes. ...	179.10	324.92	173.90	677.92
(b) Wheel Tax. ...	99.22	52.60	10.18	162.00
Total ...	651.22	848.04	453.16	1952.42

- Re: (1) Payment was not received from Government Department before 31-3-1977. The Dy. Custodian of Evacuee Properties pays as & when funds permit.
- (2) The payment was not received before 31-3-1977.
- (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 31-3-1977.

	City	Suburbs.	Extended Suburbs.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Railways. ...	4.19	7.86	0.86	12.91
(2) Court Receiver, Official Assignee, etc. ...	22.23	15.36	16.12	53.71
(3) Suits filed, Injunctions, appeals and writ petitions against Rateable Value ...	449.84	64.23	47.70	561.77
(4) Complaints against Rateable Value. ...	396.37	211.06	74.83	682.31
(5) Disputed property taxes. ...	61.85	30.50	27.22	119.57
(6) Disputes regarding wheel tax. ...	157.78	75.17	14.74	247.69
(7) Bills issued at the fag end of the year. ...	266.19	278.73	82.40	627.32
(8) Arrears of taxes carried forward from the records of the defunct local bodies ...	...	0.48	1.69	2.17
Total ...	1358.45	683.39	265.61	2307.45

- Re: (1) The Railways have made on account payment of Rs. 11.75 lacs during 1976-77. 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.	1975-76 Rs.	1976-77 Rs.
City ...	63	2	65	13,91,661	17,96,543
Suburbs. ...	36	1	37	7,36,989	10,10,075
Extended Suburbs ...	17	...	17	3,26,669	4,59,795
TOTAL ...	116	3	119	24,55,259	32,66,413

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

(a) Hack Victorias (2 Horses each) ...	...	...	439
(b) Labour Carts (with pair of Bullocks) ...	...	...	394
(c) Hand Carts ...	...	...	11,614
Total ...	...	...	12,447

Vehicles and Animals taxed during the year 1976-77.

Vehicle or Animals Taxed in the year	No.	Vehicle or Animals Taxed in the year	No.
Motor Cycle Solo ...	33,331	Taxis ...	17,813
Motor Cycle with side car ...	617	Passenger Buses ...	816
Trade Certificates ...	81	Ambulance ...	57
Motor Lorries ...	14,565	Others ...	...
Delivery Van ...	5,916	Four-wheeled Vehicles drawn by animals.	134
Trailer ...	310	Two-wheeled Vehicles drawn by animals.	391
Tanker ..	109	Handcarts ..	10,889
Crane ..	158	Horses ...	11
Motor Tractor ...	115	Ponies ...	52
Motor Cars ...	86,017	Bullocks ...	394
TOTAL ...	...	TOTAL ...	1,71,776

APPENDIX No. 10.

Classification of properties according to Rateable Value.

Rateable Value.	No. OF PROPERTIES.		
	CITY	SUBURBS.	EXTD. SUBS.
Below Rs. 200/- ...	26,920	22,199	14,084
Between Rs. 201/- and 300/- ...	2,964	10,592	5,423
Between Rs. 301/- and 400/- ...	2,799	8,284	4,206
Between Rs. 401/- and 500/- ...	2,595	6,926	3,278
Between Rs. 501/- and 750/- ...	3,907	6,288	3,984
Between Rs. 751/- and 1,000/- ...	3,314	6,621	3,532
Between Rs. 1,001/- and 1,500/- ...	3,617	6,056	4,024
Between Rs. 1,501/- and 2,000 ...	3,759	5,252	3,312
Between Rs. 2,001/- and 5,000/- ...	9,744	5,048	3,955
Between Rs. 5,001/- and 10,000 ...	7,015	6,083	1,617
Between Rs. 10,001/- and 20,000/- ...	4,315	4,465	1,199
Between Rs. 20,001/- and 30,000/- ...	1,392	3,225	968
Between Rs. 30,001/- and 40,000/- ...	789	1,310	645
Between Rs. 40,001/- and 50,000/- ...	592	790	403
Between Rs. 50,001/- and 1,00,000/- ...	885	535	360
Between Rs. 1,00,001/- and 1,50,000/- ...	557	320	86
Between Rs. 1,50,001/- and 2,00,000/- ...	375	106	61
Between Rs. 2,00,001/- and 2,50,000/- ...	126	42	24
Between Rs. 2,50,001/- and 3,00,000/- ...	129	13	8
Between Rs. 3,00,001/- and 3,50,000/- ...	139	15	4
Between Rs. 3,50,001/- and and above. ...	147	27	4
TOTAL ...	76,078	94,197	51,077

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 67,000 students.

The Supervision and Administration of schools was carried out by the Education Officer with the assistance of 9 Superintendents, 19 Administrative Officers and 54 Beat Officers.

Municipal Schools and Classes

The number of schools and classes in Greater Bombay was 1082 and 67 respectively against 1043 and 77 respectively in the previous year. On the principle of providing higher standards for 40 children or more in the City and Suburbs and 35 or more in the outlying areas, 35 classes for Std. V, 24 for Std. VI and 26 for Std. VII were opened in Greater Bombay during the year under report.

Furniture articles to the tune of Rs. 28,08,655 were supplied to schools during the year.

School Buildings

12 new buildings and 6 ground floor temporary structures have been built during the year under report. Thus 18 buildings/structures have been added to existing 257 school buildings, bringing the total number of Municipal owned school buildings in Greater Bombay to 275. The additional accommodation has helped to reduce the number of congested class-rooms.

The work of construction of 25 new school buildings and extensions to certain school buildings are in progress. 721 Primary Schools and classes were accommodated in 275 Municipal owned school buildings, 415 Primary Schools including classes are being accommodated in 390 rented buildings and 13 Primary Schools (including classes) are housed in 14 rent free buildings.

Teachers

During the year the number of teachers stood at 16592 including 951 Special Teachers as against 15683 including 816 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 year stood at 5,77,295 as against 5,66,066 in the previous year (*vide* Appendix D). Thus, there was a net increase of 11229 pupils. The average attendance throughout the year was 5,18,275 as against 4,94,762 in the previous year.

Double promotion examination was held in July 1976.

Annual written examination of pupils of Standards I to VII was held in the months of March and April 1976. The details thereof are as under :—

Standard	Pupils appeared.	Pupils passed.	Percentage.
I	1,36,873	1,00,912	73.02
II	1,03,083	82,569	80.01
III	93,273	76,951	82.05
IV	75,977	68,683	90.04
V	57,833	45,342	78.04
VI	38,464	32,274	83.09
VII	31,215	29,841	95.06

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

On account of shortage of accommodation, out of 6258, total divisions of Std. I and II, 106, 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 terms and conditions of the respective Trusts.

**Rahimtulla Currimbhoy Municipal Urdu Teachers, Jr. College of Education
Imamwada**

During the year under report, there were 75 trainees for the D. Ed. Second Year Course and 74 trainees for the D. Ed. First year Course. The teaching staff including 1 Head Mistress, 6 full-time Instructors, 4 Part time Instructors for teaching Science and Physical Education and 3 Special Teachers for Special subjects viz. Music and Drawing 77 trainees of the D. Ed. Second Year and 76 trainees of the First Year were sent up for Examinations respectively, held during April 1976 and percentage of passing is 98.7 and 97.37 respectively. This year 75 trainees of D. Ed. Second Year and 74 trainees of D. Ed. First Year classes have been sent up for examination.

Municipal Urdu Teachers, Junior College of Education, Mahim

During the year there were 76 trainees in the College—40 in the D. Ed. First Year and 36 in the Second Year. The teaching staff included 1 Principal 2 full-time Instructors, 3 Part-time Instructors and 3 Special Teachers. Out of the 76 trainees, 73 appeared for D. Ed. First and Second Year Examinations held in April 1977.

Loan Scholarship

The facility of giving loan Scholarships 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.

In-service Training Programme—Refresher Class

The In-Service Training Programme is one of the activities of the Research Unit. In this programme, the classes are conducted for different subjects to refresh the knowledge. The teachers from different beat attend this class. These classes are part-time and conducted during school hours. The participating teachers are given special concession and travelling allowance for the purpose. During the year under report about six hundred, teachers have availed of the benefit of refresher classes in mathematics.

Trainee Under Government

During the year no employee was deputed for training under Government.

Municipal Aided and Recognised Schools in Greater Bombay

A good number of Private Schools in Greater Bombay had organised Seminars, Exhibitions and Project Works for the pupils, teachers and parents of their schools. The Project Works organised and carried out throughout the year with the active participation of the children in a school at Bandra was displayed in the month of March 1977 and hundreds of Private Primary Schools' teachers were invited to watch and observe the project work. Another school in Bandra had undertaken the programme of Environmental Study for Primary School and is successfully experimenting.

Two schools on central suburbs arranged exhibitions on teaching aids and project work. Teachers were invited to observe.

The average number of pupils on roll in aided schools during the year was 1,01,367 as against 99,919 in previous year. The average daily attendance was 93,251 as against 92,87,893 of the previous year.

The total number of teachers including Special Teachers in aided schools as on 31st March 1977 was 2,727 City 1,177 Suburbs 955 and Extended Suburbs. 595. Out of 2,727 teachers 2,322 were trained and 405 were untrained.

Recognised School

There were 357 Unaided and recognised schools in Greater Bombay and number of pupils was 1,34,404. The Total number of teachers was 4,045 City 1,842 Suburbs 1,641 and Extended Suburbs 552.

Physical Education

The Physical Education is imparted in all Municipal Schools as per the syllabus prescribed by the Government.

The Physical Education department carried out officer's and head teachers meeting, Orientation course in classical and folk dances, Annual sports, Mass Drill competition, Games Competition Educational Excursion, Squad drill competition, etc. activities as were done last year. In addition to these activities, this year an Intensive Training Centre in Athletic was conducted for four months for selected and skilled pupils at Bharatiya Kreedha Mandir, Wadala. About 27 pupils from F/S, F/N, G/S, G/N Wards schools attended the centre from 2nd January to 30 April 1977. Over and above the practical training some experts were also invited to give lectures on different sports. Milk and buns were supplied to the participants daily at Municipal cost to gain extra energy, as the children were attending the centre after their usual school hours.

Physical Training Institute.

In all three Physical Training Classes were conducted and about 160 teachers participated in these refresher courses. Items like Mass P. T., Asanas and Namaskars, Lezims, Dumbells, wands,

ring, Indian clubs, swording, cricket, frolicks, folkdances, Bharatiya Nrutya, etc., were taught to the Assistant Teachers so as to enable them to take Physical Training periods in their schools. A physical camp of these teachers was conducted at Karjat, Dist. Thana. The final day function was presided by the Chairman, Education Committee and attended by the Municipal Councillors, Officers of the Education Department and the General public at Karjat. The working of the teachers was highly appreciated by all.

Band Troop

Four Band Instructors continued to teach musical instruments to Municipal School children in 8 municipal primary schools. About 150 to 160 pupils participated in the troop, with great interest.

R. S. P. Unit

We have 25 R. S. P. Units in Municipal Primary Schools. 25 part-time instructors with the help of 48 boys and girls from each school looked after the safety of the pupils before and after school hours. About 135 pupils participated in the Annual R. S. P. Camp organised by Traffic Police Department in the month of October 1976.

Scout/Guide Activities

Cub Masters	..	193	Cubs	..	3278
Scout Master	..	217	Scouts	..	4683
Folk Deaders	..	102	Bulbuls	..	1749
Guide Captains	..	167	Guides	..	3659
Companies	..	167	Folks	..	102

The following important activities continued to be conducted during the year under report. (1) Explanatory Training Camp (2) Proficiency Badges Courses for Scouts/Guides and Scouters and Guiders (3) Patrol Leader Training Camp (4) Cub/Bulbul Excursion (5) Patrol Hikes (6) Scout Guide Sports and Rally, etc., wherein a large number of scouts and guides participated. Over and above this, the following new activities were also conducted.

(1) *Revision Course* :—This new activity was started this year for the Distt. Scout Masters, Guide Captains and organisers to give them an opportunity to understand the fundamentals of Scouting and Guiding and also to learn new methods and ways of training. About 30 employees participated in this course.

(2) *Monsoon Hike* :—This hike programme was arranged for Distt. Scout Masers/Guide Captains and organisers in the vicinity of Aarey Colony during monsoon. The participants got the experience of nature study during monsoon. They will now have better knowledge of conducting hikes for scout/guide pupils.

Balbhavan Centre

35 Balbhavan Centres continues to be conducted all over Greater Bombay between 5.00 to 7.00 P. M. for school going children. This helps in engaging the children in interesting and useful activities like out-door, in-door games, Handicraft, Drawing, Painting and preparing useful articles from waste material.

Audio Visual Section

During the year the 13 projectionists continued to show educational film all over Greater Bombay in Municipal Primary Schools. About 3173 film shows were carried out in which, 6,88,353 pupils participated. The section also helped in recording the programme and making arrangement of public address system in all the departmental functions. They also helped to tape record the lectures of the prominent persons invited by the Language Development Project, which is being conducted with the aid of Ford Foundation at Gilder Tank Building.

Teaching Aid Centre

The Municipal Teachers attended all the three teaching Aid Centers conducted by the department. About 5500 Teaching Aids of different types and on different subjects were prepared by the teachers for the schools. Over and above this, a handicraft class was conducted at Gilder Tank Teaching Aid Centre for the benefit of special teachers. At the end of the class an examination was taken and those who passed the examination were given merit certificates.

Secondary Schools

This year also (1) Training Courses for Municipal Secondary Teachers (2) Orientation Course, (3) Group Camping and (4) Proficiency Badges Camp were arranged as done last year and many teachers took advantage of the same.

Research Unit Education

The Research Unit carried out the following activities and projects in the year 1976-77.

1. Preparation of an omnibus test in Marathi, Gujarati, Hindi, Urdu and South Indian languages for teachers recruited in Municipal Primary Schools.

2. Administration of the omnibus test for selection of municipal primary teachers. About 1225 teachers were given the test before recruitment.
3. A study of S. S. C. results of Municipal Secondary Schools (Three Years).
4. A comparative study of some municipal and private secondary Schools.
5. A study of the incidence and the causes of low pass percentage of S. S. C. result of some selected Municipal Secondary Schools.
6. Preparation of a research manual.
7. Preparation of a tentative plan of "Three years researches" to be conducted in Municipal Primary and Secondary Schools.
8. Try out of the "Mini-Lab" for the language Development Project in a few selected municipal primary schools.
9. An investigation into the incidence and the causes of the gap between the teachers and the students in municipal secondary schools.
10. Material in "Correspondence Course" for teachers is being prepared in Maths. for Std. I.

Academy of Music and Arts

In accordance with Corporation Resolution No. 899 of 1-10-1973, the Education Department has started this Academy with effect from January 1974, with a view to stream-line these activities on a scientific and rational basis. It has two main wings viz. (i) Music and (ii) Art.

Music Wing

The following activities were organised by the Music Wing of the Academy during the year under report:—

(1) *Dance Training (2nd Session)*:—From 1-4-1976 to 14-4-1976. 26 subject teachers of municipal schools and Jr. Supervisors of the Physical Education Department took advantage of this training camp.

(2) *Music Training Camp* was organised from 13-4-1976 to 17-4-1976 for the subject teachers of Hindi Schools.

(3) *Seminar and gathering of Music Teachers*: was organised on 22nd April 1976. The topic for subject in the Seminar was 'Action songs in different languages for children.'

(4) *Dance and Drama Demonstrations*: was presented by the teachers who had participated in the Dance and Drama Camps.

(5) *Prize Distribution*: Prizes were given to the trained teachers of the Dance and Drama Training Camps at the hands of Smt. Vijayatai Deshmukh.

(6) *Practical Demonstration*: Flute playing by Pandit Hariprasad Chourasia.

(7) *Staging a Drama Play*: 'Sangeet Honaji Bala' was presented by the Academy on 23-4-1976.

(8) *Music and Dance Centres*: There are in all 15 centres in which there are 14 music classes and 3 dance classes. 721 pupils are taking education.

(9) *Music Competitions*: Music Competitions of municipal children were organized on divisionwise basis in 10 centres and thereafter central competitions were held amongst the winners at the divisionwise competitions. 1650 pupils of 436 schools participated in the divisionwise competitions and 498 pupils of 134 schools participated in the Central competitions.

(10) *Music Centres for music teachers*: 234 music teachers assemble in 5 such centres on every month-end days and discuss the various subjects and their day to day difficulties in teaching.

(11) *Music and Dance Bhavans*: Training Classes for the teachers—from 14-6-1976 to 30-6-1976.

(12) *Programme on T. V.*: Different pupils were given to T. V. on 29-6-1976; 10-8-1976 19-10-1976, 23-11-1976 and 18-1-1977.

(13) *Programmes on A. I. R.* by the school pupils on 19-3-1977.

(14) *Sharad Utsav*: As usual the Music teachers arranged for assistance in the cultural programmes of Sharad Utsav.

(15) During the year under report Mass singing of about 5000 pupils of different language municipal schools was arranged at Bandra Khernagar Park when the Prime Minister Smt. Indira Gandhi had come for the opening Ceremony of Bal Wadi on 11-12-1976.

(16) Besides the above, the Instructors of the Academy and the Staff Artistes extended help in singing Vande Mataram, Jana Gana Mana on the occasions of the various civic functions. There were about 18 occasions during the year under report.

II. Art Wing

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

- (1) **Seminar on Art**: The subject of Seminar was The Artist and Society. Nearly 250 Art teachers and 200 music teachers attended the Seminar.
- (2) **Child Art Exhibition**: An exhibition of selected pictures from Child Art Competitions conducted during 1976-77 was arranged.
- (3) **Elementary and Intermediate Grade Drawing Examinations**: 70 pupils for the Elementary Grade Exam and 10 for the Intermediate Grade Examination were sent. Classes for these examinations were conducted at three Art Centres. Nearly 120 pupils got the benefit of learning in these classes. The result of the Elementary Grade Examination was 85% and that of Intermediate grade was 100%.
- (4) **One months course in Cartoon Drawing** was organised: 25 Art teachers attended the course.
- (5) **Child Art Competitions**: Divisionwise and Central Child Art Competitions were conducted for the benefit of the Municipal School Children. Nearly 1600 children participated in these Competitions.
- (6) **Lectures-cum-Demonstrations**: Four lectures-cum-Demonstrations were arranged. The subject of lectures were:
 - (1) Water colour painting ... by Shri M. S. Joshi.
 - (2) Oil Colour Painting ... by Shri Bhai Haldankar.
 - (3) 'Know how' in colour ... by Shri G. B. Wad.
 - (4) Child Art, and how to read children's Drawings ... by Shri D. R. Parulekar.

Nearly 200 Art teachers attended all the lectures and demonstrations.

Extra Curricular Activities

Functions: As done in the past, Sharad Utsav with cultural programmes at 17 centres, 17 schools hall programmes, nine semifinals of dramatics, nine divisionwise final Dramatics, Six functions for all schools and two functions for Teachers were arranged. So also, school Anniversaries, Independence and Republic Day Celebrations were arranged. Municipal Teachers participated in Educational Seminars in good number.

The Seminars on different educational topics were organised during the year 1976-77 for the officers and teachers of Education Department. Moreover, a Seminar on "Education of Child in Urban Slums" was organised for the officers and Head Masters of Municipal Secondary Schools in collaboration with College of Social Work of Nirmala Niketan, Bombay in the month of January 1977.

Educational Guidance Centre

The usual activities of giving vocational guidance to pupils of Primary and Secondary Schools holding centre conference for pupils of Standard X, giving Important Question Tests, were carried out. Psychological tests were conducted for selection of teachers in Primary Schools and for selection of pupils in classes for mentally retarded children.

During the year about 3173 film-shows were arranged by 13 Projectionists of the Department and many pupils took benefit of the same. This Section also helped during the functions arranged by the Department.

Teaching Aid Centre

At the three Teaching Aid Centres, Municipal Teachers attended and prepared about 5500 teaching aids on different subjects and material for the schools. A handicraft class was also conducted for the benefit of special teachers. The merit certificates were given to those who passed the Examination.

Vocational Education

There are 24 Vocational Schools 7 Carpentry, 12 Tailoring and 1 Clock Repairing and 4 are for teaching tailoring and Carpentry both.

Municipal Teachers, Libraries

In the three Libraries, there were 69,019 books at the end of the year 34,895 at Gilder Tank, 20,822 at Szantacruz, and 13,302 at Ghatkopar Libraries. A good number of teachers took benefit of the Libraries. "Children's Corner" is attached to these Libraries in which there are 30,387 books.

Periodicals, Magazines and Newspapers in different languages continued to be subscribed for the benefit of readers during the year.

Gratis Use of School Premises

The use of Municipal premises for conducting Social Education Classes, Hindi Classes, Reading-cum-Study Rooms, Night Schools, Welfare Centres and for Medical Check-up 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.

Childrens' Magazine

The Educational facilities provided for children as well as school teachers needed further expansion with a 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 and Urdu. An amount of Rs. 55,000 was spent on this activity during the year. The contributors were paid Rs. 10 per article by way of encouragement.

Retarded Children

The Lions Juhu Centre for Mentally Retarded Children continued to function during the year under report with 99 pupils on its roll. The children were provided with all necessary educational aids etc. and arrangements were also made for development of gardening and other recreational activities through which the pupils can develop their mental growth. The pupils were also medically tested regularly by Psychologist.

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

Tree Planting

This year, for tree 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 the 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 Malis-cum-Caretakers who are appointed to look after the tree plants etc. in school compounds.

SECONDARY SCHOOLS

During the year under report, there were 49 Municipal Secondary Schools governed by the Secondary Code of the State Government. The Government is giving 100% grant on admissible expenditure on secondary schools. The new course of syllabus prescribed by the State Government is followed in these schools. The number of divisions, pupils etc. is as under :-

	As on 31st March 1976	As on 31st March 1977
No. of Divisions	1607	1525
No. of Pupils	67049	66402
No. of Teachers	2360	2232

Many students from Secondary Schools appeared for Government Drawing Examination (Elementary and Intermediate) and a good number of them stood out successfully.

S. S. C. Results (1976) of Municipal Secondary Schools were very poor i. e. 22%. It was found that majority of our students failed in Mathematics, Science and English. Steps were, therefore, taken to raise the percentage by conducting Seminars, Workshops for Teachers, with the Co-operation of Bhabha Science Centre, State Institute for English etc. A Ten day Workshop for evaluation of Secondary Schools with the help of the Principal and the Staff of Chembur Comprehensive College of Education covering the entire syllabus was also conducted. Special Classes and study-camps for secondary schools were also conducted to create proper atmosphere for study and confidence in the students. (For results see Appendix VI). Three study camps were organised for S. S. C. Students. Three centres were also organised for S. S. C. pupils who had first class scores in terminal and prelims.

School Health Services and Feeding Programme

During the year 1,50,113 children were examined in 1029 Primary Municipal Schools and 6671 children were examined in 20 Secondary Municipal Schools.

130176 children were found defectives. Total defects noticed among children were 2,77,271. 5,402 Guardians were advised to get their wards examined and treated early. 1202 cases were treated at the Municipal general dispensaries. 98715 cases (new and old) were treated at the 5 school clinics.

1577 Children were referred to the out-patients' departments of the Municipal general hospitals, for expert opinion. 352 tonsils operations were performed at the school clinics. 295 children were supplied with spectacles. 20 children were supplied with special aid such as calipers, hearing aid etc. 287 suspected cases of leprosy and 688 of tuberculosis were referred to the special clinic for investigation and treatment. Three leprosy children were disallowed from attending schools.

Defects noticed were as under:—

Defects	Percentage	Defects	Percentage
Dental	49.15	Heart & Circulation	0.22
Throat	13.92	Lungs & Tuberculosis	1.15
Nose	12.33	Spleen	0.20
Eye (External diseases)	1.70	Skin (Contagious)	6.14
Eye (Division)	0.84	Deformity of bones & rickets	1.85
Ear diseases	3.73	General debility	45.52
Enlarged Lymphatic glands	26.36	Other diseases	7.77

Health Education was imparted to about 10,000 parents and teachers. 8120 domiciliary visits and revisits were paid. Health parade, health ministry and health trophy competitions were arranged in schools in D Ward, F/North Ward, G/North Ward, H and L Wards, with a view to inculcating health habits among the children.

Immunization work done as under:—

(a) Diphtheria and Tetanus	...	...	1st dose	76,515
			2nd dose	57,565
(b) Small Pox	...	...		1,42,370
(c) B. C. G. Vaccination	...	...		95,313
(d) T. A. B. C.	...	...		2,65,798
(e) Polio	...	...	1st dose	91,737
			2nd dose	77,086
			3rd dose	67,111

The Medical examination in 2 schools was 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 Sukhadi, Special Sweet sliced and brown breads and peanuts (ground nuts) were supplied to the children of Municipal Schools.

FINANCE

The principal sources of income of Primary Education Department are: (1) Five times 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 fixed for the General Tax for the said financial year (2) Government Grant towards Primary Education (3) Education Cess, (4) Interest on Endowments and investments. (5) Rent and other proceeds of properties (6) Interest on profits on investments of Surplus Loan and other balances and (7) other Miscellaneous Receipts.

The opening balance as on 1st April 1976 was Rs. 21,239.

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.	Rs.
City, Suburbs and Extended Suburbs.	12,15,73,726	1,99,49,285	3,82,74,285	36,41,049	18,34,38,345

The total expenditure for the year amounted to Rs. 17,08,22,894. The closing balance as on 31st March 1977 (after taking into account increase in Renewed Grant) was Rs. 30,33,942.

State Award Winner Teachers for 1976-77:—

Name of the Teacher.	Designation	Name of School.
(1) Smt. Vijaya V. Rane	... H. Tr.	Gilder Lane U. P. M. School
(2) Smt. Philomina Rodrigues	... H. Tr.	Mahim Mori Road E. P. School

Municipal Award Winner Teachers for 1976-77.

Sr. No.	Name of the Teacher	Designation	Name of the School
(1)	Shri Gopal Pandurang Varekar	H. Tr.	Bellasis Road U. P. M. School.
(2)	Shri Baba Gangaram Patankar	H. Tr.	Chandanwadi U. P. Marathi School
(3)	Shri Vasant Ramchandra Jadhav	H. Tr.	Ferguson Road U. P. M. School.
(4)	Smt. Sulochana Shivshankar Narkar	H. Tr.	Agarbazar U. P. M. School.
(5)	Shri Harischandra Madan Save	H. Tr.	Andheri U. P. Marathi School.
(6)	Smt. Rekha Sharadchandra Pawar	H. Tr.	Juhu U. P. Marathi School.
(7)	Shri Keshav Soma Chavan	Dy. H. Tr.	G. V. Scheme U. P. M. School.
(8)	Shri Prabhakar Shivram Shewale	H. Tr.	P. K. Road, U. P. M. S. Mulund
(9)	Shri Gajanan Vithal Salvi	H. Tr.	Elphinstone Bridge U.P.M.S. No. 2
(10)	Smt. Sushila Hari Hanumante	H. Tr.	Sewree Station U. O. M. S. Probodhankar Thakare U. P. M. S.)
(11)	Smt. Prabhavati Prashant Thakkar	H. T.	Gamdevi U. P. Gujarati School.
(12)	Smt. Rechalben V. Carey	H. T.	Gokhale Rd. (S.) Muni. Guj. Sch.
(13)	Shri Badruddin Shamsuddin Shaikh...	H. T.	H. P. Keluskar Marg. U. P. U. S.
(14)	Shri Gulam Ahmed Shaikh Mehboob	H. T.	H. T. Nagnada U. School.
(15)	Shri Shyamcharan Mishra	H. T.	New Nagardas Rd., L. P. Hindi School.
(16)	Shri Bamdev Rajnarayan Rai	H. T.	Paral Bhoiwada U. P. H. School.
(17)	Smt. Kamladevi	H. T.	Worli Naka U. P. Tamil School.
(18)	Smt. Dolly Olive D'Souza	H. T.	Souter Street Byculla E. P.
(19)	Shri L. P. Mishra	Dy. H. T.	Colaba Muni. Sec. School.
(20)	Smt. Sudha Vasant Marathe	H. T.	Prabhadevi Muni. Sec. School.
(21)	Shri Dattatraya Sitaram Bharate	Spl. T.	Motilal Nagar U. P. M. S. No. 2
(22)	Shri Natvarlal Liladhar Naik	Spl. Tr.	Mumbadevi Gujrati School.

LANGUAGE DEVELOPMENT PROJECT

The Project is undertaken by the Municipal Corporation with financial assistance from Ford Foundation.

The following activities were carried out under the Project during the year 1976-77.

- (1) Organisation of training courses for officers of the Department on Linguistics and Language-teaching with the help of C. I. I. L. Mysore, E. I. E. F. L., Hyderabad and W. R. L. C. Pune.
- (2) Organisation of a training course for 30 officers in the teaching of English as a second language, conducted by State Institute of English, Maharashtra State.
- (3) Eleven Officers were deputed to C. I. I. L., Mysore, to see the working of the Language Institute and to get insight and experience about different aspects of language teaching.
- (4) Three Officers were deputed to C. I. E. F. L., Hyderabad, for the preparation of a Diagnostic Test for teachers of English in Municipal Schools.
- (5) The Diagnostic Test was prepared and administered to 150 teachers of English.
- (6) Bulletins for teachers "Towards Better Language Teaching" and "New Bulletin" are published fortnightly.
- (7) Full-time and Part-time Inservice-training courses for teachers of English are conducted regularly.

The L. D. P. Centre is equipped with a library of books on language and language-teaching and with modern gadgets for language-teaching like Mini-lab, Tape-recorders, film-strip projector etc.

The present staff position of the L. D. P. is as under :—

Executive Director	...	1
Officers as members of the faculty	...	5
Administrative Staff	...	4
Peons	...	3

K. N. KAMAT.
Education Officer.

APPENDIX No. I
Municipal Schools and Pupils as on 31st March 1977.

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Schools	Classes	Pupils	Schools	Classes	Pupils	Schools	Classes	Pupils
Marathi	235	..	153354	147	1	133842	72	1	56690
Gujarati	69	8	18233	55	2	20966	37	3	20064
Urdu	103	4	36036	74	2	32326	19	..	5987
Hindi	51	2	17677	57	3	25151	28	3	12665
Tamil	9	6	3819	11	3	2331	9	3	2519
Telugu	15	2	5591	8	5	1903	2	4	652
Kannad	15	4	3014	19	3	6221	6	2	2490
Eng. Primary	18	1	6338	11	1	3342	3	..	992
Sindhi	..	3	161	2	..	782	3	1	442
Malayalam	..	..	..	..	4	180	..	..	..
Total	515	30	244223	384	24	213012	179	17	102501

APPENDIX No. II
Statement showing The Number of Trained and Untrained Teachers in Municipal Schools according to sides as on 31-3-1977.

Side	CITY.			SUBURBS.			EXTENDED SUBURBS.		
	Trained	Un-trained	Total	Trained	Un-trained	Total	Trained	Un-trained	Total
Marathi	4590	11	4601	3577	6	3583	1574	5	1579
Gujarati	616	..	616	625	2	627	606	1	607
Urdu	1101	3	1104	892	8	900	149	2	151
Hindi	556	1	557	694	3	697	130	6	356
Tamil	93	6	99	80	9	89	56	4	60
Telugu	109	60	169	40	10	40	18	3	21
Kannad	88	9	97	187	6	193	69	2	71
Eng. Primary	155	18	173	85	..	85	26	3	29
Sindhi	10	3	13	28	6	34	18	5	23
Malayalam	..	..	..	8	..	8	..	..	..
Total	7318	111	7429	6216	50	6256	2646	31	2897

APPENDIX NO. III.
Municipal Recognised and Aided Schools and pupils as on 31-3-1977.

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	24	9047	29	9500	15	4639	35	14658	4	795	19	5841
Gujarati	35	7166	30	7035	17	3230	19	8540	20	4167	19	12278
Urdu	1	286	9	2990	3	642	2	512	..	..	..	..
Hindi	..	..	11	3290	5	1031	9	2828	4	535	7	2345
Sindhi	..	..	1	36	..	..	3	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	111	37927	42	15176	108	49994	25	8608	37	14527	7	2776
Total	172	54448	133	39482	148	59536	95	35999	67	20420	53	23406

APPENDIX No. IV
Information Regarding Physical Education in Municipal Schools

Number of Schools and Classes (1082+67)	..	..	..	..	1149
Schools imparting physical education on playgrounds	..	..	..	..	305
Schools imparting physical education in open spaces	..	..	..	..	414
Schools imparting physical education in Class-room	..	..	..	..	389
Total number of Pupils	..	..	..	..	5,77,295
Pupils taking Physical education	..	..	..	..	5,77,295
Number of trained teachers in physical education	..	..	..	..	3286
Special Teachers in Physical Education	..	..	..	..	172
Number of untrained teachers in physical education	..	..	..	..	11,563

APPENDIX No. V.
Average cost per pupil

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

APPENDIX No. VI.
Municipal Secondary Schools
S. S. C. Results—New Course 1977.

Serial No.	Name of the School.	No. of students appeared.	No. of students passed.	Percentage of passing during the year 1977.	Percentage of passing during the year 1976.
1	2	3	4	5	6
1	Colaba	142	50	35.3	34.2
2	Dongri	116	21	18.01	14
3	Imamwada	158	26	16.4	31.7
4	Kalbadevi	118	44	37.3	40.3
5	Gilder Lane	292	45	20.3	18.4
6	Nagpada	49	16	32.7	48.8
7	Abhydaya Nagar	293	55	18.8	19.6
8	Sion	93	13	14.0	11.8
9	N. M. Joshi Marg	166	44	26.5	24.4
10	Worli	136	51	37.5	14.5
11	Mahim	165	49	29.3	22.2
12	Santacruz	234	40	17.2	18
13	Vile Parle	169	34	20	25
14	Andheri	153	26	17.0	12
15	Kandivli	116	26	22.4	24.2
16	Borivli	179	64	35.8	25.8
17	Barve Nagar	193	37	19.2	17.2
18	Mulund	212	33	15.5	9.9
19	Topiwala Lane	56	15	26.8	24.1
20	Nagaon	87	44	48.8	25.4
21	Rajawadi	125	12	10.0	17.2
22	Goregaon	140	64	45.8	37
23	Malad	197	44	22.3	28
24	Mohd. Umer Rajab Rd.	60	16	26.7	24.7
25	Byculla	90	29	32.3	15.8
26	Dadar West	75	17	22.7	13.
27	Erangal	20	0	0	3.4
28	Walpakahdi	23	3	13.0	5.7
29	J. R.	43	12	27.9	35
30	Walibai	37	13	35.1	8
31	Chhotalal D.	26	5	19.0	41.7
32	Nana Chowk	81	20	24.7	27.5
33	Tardeo	50	11	28.0	17
34	Souter Street	71	1	1.4	26
35	East Byculla	150	23	15.3	14.2
36	Agripada	63	11	17.3	28.8
37	Nare Park	161	38	24.0	37.2
38	Shindewadi	66	12	18.1	17.6
39	New Sion	86	19	22.0	15.7
40	L. K. Waghaji	85	14	16.5	6.7
41	Globe Mill Passage	137	53	39.0	15.3
42	Prabhadevi	74	22	30.0	40.6
43	R. C. Mahim	38	8	25.0	16.3
44	L. J. Road	63	12	19.0	13
45	Khernagar	207	100	49.0	37
46	Santacruz (West)	144	64	44.5	14.2
47	Vile Parle (West)	75	18	24.0	13.6
48	Motila' Nagar	108	37	34.3	37.
49	Vikhroli Park Site	126	41	32.5	32.6
Total	..	5748	1455	25.7	22.6

PUBLIC HEALTH

HIGH LIGHTS.

Expenditure :-		
(1) Maternity & Child Welfare Services	...	1,28,26,630
(2) Pre-School and Schools Health Services	...	16,60,290
(3) Prevention & Control of Infectious Diseases etc.	...	3,69,76,394
Income :-		
(1) Issue of Licences, Certificates of Births etc.	...	26,39,875
(2) Fines realised	...	27,33,190

Control of Food Adulteration :-			
Samples under P. F. A. Act	2,850	Adulterated	382
Prosecutions	253	Fines realised	Rs. 94,520

		Eating Houses	Bakeries
Grade I	129	3	
Grade II	799	47	
Grade III	4,603	349	
Without Grade	26	12	
	Total	5,563	381

Vital Statistics :-			
Births registered.		Deaths registered.	
(1) Live Births	1,90,915	(1) Total	64,403
(2) Still Births	6,338	(2) Infant Deaths	14,147

Notifiable Diseases :-			
Diseases		Reported Cases	Deaths
Enteric Fever	...	293	34
Poliomyelitis	...	733	80
Infectious Hepatitis	...	1,681	267
Diphtheria	...	457	54
Tuberculosis	...	14,827	7,452
Virus Encephalitis	...	51	51
Small-pox, Plague & Cholera	...	...	...
	Total	18,042	7,938

Immunizations carried out :-			
		1st Dose	2nd Dose
(1) Anti typhoid	...	6,79,534	...
(2) Anti-Cholera	...	7,73,069	...
(3) B. C. G. to New Borns	...	73,555	...
(4) Polio	...	1,55,521	1,17,384
(5) Triple	...	79,463	52,762
(6) Tetanus	...	5,08,399	1,14,068
(7) Diphtheria	...	26,687	21,305
(8) Venereal Disease cases treated	...	24,406	...

Hygiene-Maternity and Child Welfare Services :-

Maternity Homes 23	Maternity Wards 4	Maternity & Child Welfare Centres 37
Deliveries conducted ...	...	78,459
Cases treated at Clinics ...	...	7,18,241
Family Welfare Planning		
I. U. C. D. insertions ...	...	10,228
Vasectomy Operations ...	...	35,437
Tubectomy Operations ...	37,090	3,96,10,771
Free Dispensaries 116		Mobile Free Dispensaries 22
Vaccination Branch		
Primary Vaccinations	2,00,452	Re-Vaccination... 18,29,514
Municipal Laboratory		
Total Samples received ...	...	46,332
Water Samples ...	...	21,608
Samples found unfit for potable purposes ...	...	3,958
Municipal Hospitals		
		Indoor Outdoor
(1) Eye Hospital, Kamathipura—		
(i) New cases ...	...	1,965 36,656
(ii) Total attendance ...	...	20,290 1,38,424
(2) 7 Municipal General Hospitals under Executive Health Officer—		
(i) New Cases ...	11,32,633	(ii) Total attendance ... 57,25,852
(3) Kasturba Hospital for Infectious Diseases—		
Total Beds ...	680	Admissions ... 20,262
Outstanding Activities		
4 New Dispensaries.		

STATISTICS FOR THE YEAR 1976

	City	Suburbs	Extended Suburbs	Greater Bombay
(1) Area of Greater Bombay and Island in Sq. Kms. ...	68.71	192.33	176.67	434.71
(2) Density of Population per Sq. Km. (1971 Census) ...	44,686	11,266	4,150	136.40
(3) Population- { Census of 1971 ...	30,70,378	21,66,864	7,33,333	59,70,575
{ Mid-year estimated ...	31,98,000	30,79,000	10,55,000	73,32,000
(4) Total live births registered ...	82,439	71,797	36,679	1,90,915
(5) Birth rate per 1000 population { Census of 1971 ...	26.8	33.1	50.1	31.9
{ Mid-year estimated ...	25.8	23.3	34.8	26.0
(6) Total deaths ...	33,803	21,623	8,977	64,403
(7) Death rate per 1000 population { Census of 1971 ...	11.0	9.9	12.2	10.8
{ Mid-year estimated ...	10.6	7.0	8.5	8.8
(8) Total deaths among infants (under 1 year) ...	6,599	5,322	2,226	14,147
(9) Infant death rate per 1000 live births... ..	80.0	74.1	60.7	74.1
(10) Maternal deaths ...	63	32	18	113
(12) Still births ...	2,647	2,496	1,195	6,338
(13) Plague, Cholera, small-pox Influenza Deaths ...	Nil.	Nil.	Nil.	Nil.
(14) Tuberculosis { Deaths ...	4,420	2,160	872	7,452
{ Death rate ...	1.4	0.7	8.0	1.0
(15) Acute Anterior Poliomyelitis { (Deaths ...	47	24	9	80
{ Death rate ...	0.0	0.0	0.0	0.0
(16) Diphtheria { Deaths ...	29	16	9	54
{ Death rate ...	0.0	0.0	0.0	0.0
(17) Typhoid { (Deaths ...	26	6	2	34
{ (Death rate ...	0.0	0.0	0.0	0.0

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 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 Vehar and filtered water supply from Ulhas and Tulsi Lakes. The quality of water is checked by drawing water samples from various points in the supply 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 Kgs.	Liquids Ltrs.	Kgs.	Doz.	
75,197	1,07,999½	1,48,961	33,402	26,860½	

VITAL STATISTICS

Births and Birth rate.—Live Births registered during the year were 1,90,915 which were 10,897 more than for 1975 and 16,603 above average of the quinquennium 1971-75. The birth rate was 26.00 per 1000 mid-year estimated population.

Deaths and Death rate.—64,403 deaths were registered during the year. They were 831 less than for 1975 and 3,476 above the mean mortality of the preceding 5 years. Deaths from principal causes of deaths are detailed in Table 2. Death rate was 8.8 as against 9.2 for 1975, 21.9 per cent of the total deaths were among infants.

Infant mortality.—Deaths among infants under 1 year of age numbered 14,147 which were 380 more than in the preceding year and 691 more than the annual average of the quinquennium 1971-75. The infant mortality rate was 74.1 per 1000 live births against 86.5 in 1975. Details of infant deaths are in Table 3 and 4. The maternal mortality numbered 113, the rate being 0.6 per 1,000 live births as against 0.5 during 1975.

CONTROL OF INFECTIOUS AND COMMUNICABLE DISEASES

Notification.—Notifications of infectious diseases numbered 18,042 as against 29,649 in 1975. Of these, 1,024 were from the medical practitioners. For details, refer table No. 5 Immunization procedures carried out during the year are detailed in Table No. 1.

Infective Hepatitis.—caused 1,681 attacks (including 79 originating in the other local areas of India) and 267 deaths.

Plague.—There was no case of Plague.

Rat Control Work.—Integrated rat control with the employment of combinations of different measures was planned and executed. Total number of rats caught and destroyed was 9,70,565 (including 2,61,408 Rattus Rattus and 3,18,570 Gunoy's Kok) as against 3,64,755 in 1975. No rat was found plague-infected.

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

Small-pox.—There was no small-pox case. Greater Bombay was an area of compulsory protection from small-pox throughout the year. Periodical intensive searches for small pox were carried out to trace foci.

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. 7,73,069 persons were inoculated against Cholera.

Influenza.—It caused no death.

Enteric Fever.—The number of notified cases viz. 293 (including 6 originating in other local areas of India) was 102 less than that in 1975. Number of deaths was 34 as against 49 in 1975.

Acute Anterior Polio myelitis.—733 cases including 134 originating in the other local areas of India and 80 deaths were reported due to this disease.

Diphtheria.—457 cases were notified. Of these, 48 originating in the other local areas of India, 54 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, 14,827 T. B. cases were notified and deaths numbered 7,452. Services of Health Visitors have been integrated with the Services of Treatment Organizers working under Assistant Health Officer (T. B.).

B. C. C. 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, Jahangir Boman Behram Marg, Bombay 400 008 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 M. O. in 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 them through the Vigilance Branch of the Police Department. Blood samples and urethral smears sent by private medical practitioners for examination, were examined and they were furnished the reports confidentially free of charge. Also 21,000 samples of blood were received from the Municipal Eye Hospital and Municipal Maternity Homes and Hospitals for opinions. 26,158 male and 1,320 female Venereal and non-Venereal cases were treated. Out of 24,406 Venereal cases, 6,623 were Syphilis, 9,467 were Gonorrhoea and 7,843 were cases of non-syphilitic sores. On an average 1,175 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. 4,440 new cases were treated at the Clinics the total attendance was 88,799. Daily average attendance numbered 309. The Corporation bears the entire cost of the Out-patients Clinic attached to this Hospital and also the additional cost on account of 48 beds for the voluntary patients, 230 beds for the resident patients committed under the Leprosy Act domiciled in Bombay. Domiciliary Service by 6 Health Visitors sulphone treatment to out-patients (Rs. 10,000), and half of the recurring expenditure and the entire cost of the Hospital works such as construction etc., on account of Greater Bombay Leprosy Control Scheme activities.

THE MOBILE HEALTH UNIT

The mobile health unit continued to perform its following stipulated objectives from January 1976 to December 1976 as under :—

(1) **Comprehensive Health Care to the Municipal School Children.**—Medical Examination of 34,918 children in 1st and 3rd standards of 198 Municipal Primary Schools allotted to this Unit by the Medical Officer (Schools) was conducted and in all 1,93,585 immunisations were carried out (Table 14).

(2) **Control of communicable diseases.**—3,85,335 immunisation procedures against various communicable diseases were performed (Table 14).

(3) **Health Drives and Family Planning Exhibitions.**—In addition to the general health education performed through this Unit simultaneously with mass immunisation programme 1,348 Health Drives and 74 Family Planning Exhibitions were held in different localities, Mills, Factories etc. and 90,793 persons were medically screened and treated.

(4) **Information-cum-Distribution Centres.**—Facilities for vasectomy operations were conducted in collaboration with Central and Western Railway authorities.

(5) Six Slum Medical Centres have been established in Slum areas for primary medical care of the Slum dwellers.

(6) **Training of medical and para-medical personnel.**—133 medical interns from G. S. M. Collège were trained in Health Practices.

(7) **Film Shows.**—In all 561 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 Small-pox Eradication Programme 2,00,452 primary and 18,29,514 revaccination were carried out. Primary vaccination included 1,79,358 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 7 centres functioned daily. Seven cases of Tetanus, following primary vaccinations were treated in the Municipal Hospitals. However, all cases proved fatal. 159 candidates were given theoretical instructions and practical training in vaccination. 7,110 pilgrims proceeding to Haj were vaccinated and issued health certificates.

MALARIA

Potential breeding places such as wells, cisterns, overhead tanks, mill-tanks, storm water entrances and drains were checked periodically for detection and destruction of mosquitoes. The urban vector *A. Stephensi* (Larvae) was detected on 3 occasions and the rural vector *A. fluviatilis* was detected on 19 occasions whereas *A. Culicifacies* was detected on 49 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 rounds of applications of insecticides were adequately supported by aerial spraying of larvicides over creek and grass lands upto July 1976. 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 208 occasions and *Aedes index* was 0.008% 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. Infectivity rate was 00.05%.

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 Parel. Technical guidance and material supplied are received from the Director of National Malaria Eradication Programme, Delhi, the Deputy Director, Malaria and Filaria, Poona and Regional Co-ordination Offices, 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 re-use land for burial. At Municipal managed cemeteries, amenities are provided at Municipal cost. At privately managed cemeteries, they are to be provided by their owners/trustees. However, at six private cemeteries also, certain amenities have been provided at Municipal cost 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. 9).

	No. of Samples examined.	Adulterated/Unfit samples.
(1) Chemical Examination.	23,881	796
(2) Bacteriological Examination:	22,451	4,174

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 99 cases and the other Public Analyst attended courts in 72 cases.

Apart from the examinations of samples of water, food stuffs collected by Sanitary Inspectors and Food Inspectors, samples collected by the Food & Drug Administration and the B. P. T. authorities and samples of stores articles from Controller of Storage 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.—Uptil now there was no provision under the Bombay Municipal Corporation Act for seizure and impounding of stray cattle and therefore, the Police Department was taking action under the provisions of the Bombay Police Act, to whom we have supplied 3 vehicles and 16 labourers to help them in dealing with the nuisance from the stray cattle.

The Bombay Municipal Corporation Act was amended making provision for seizure and impounding of stray cattle with effect from 1-5-1975 and seizure and impounding of cattle has been taken over by this Corporation from 1-10-76.

Maternity and Child Welfare.—The Maternity and Child Welfare Services were rendered through 23 Municipal Maternity Homes, 4 Maternity Wards attached to 4 Municipal General Hospital and 37 Maternity & Child Welfare Centres. The scheduled strength of maternity beds was 1,526. The number of deliveries conducted was 78,459. 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 ante-natal, post-natal, infant and pre-school age child care, follow-up work and health education by propaganda through posters, leaflets, group talks, demonstrations and film-shows etc.

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

Paediatric centres were conducted at 7 Maternity Homes with a view (i) to providing a service to the community in which efficient, effective and comprehensive paediatric care can be given outside the Hospital, by promoting good growth and development, providing immunization facilities, teaching family and community health, as also nutrition, (ii) to reducing the load of the Hospital out-patients Departments by referring cases for different medical care and (iii) to providing a teaching field and educational experience in an urban centre to doctors, nurses and allied workers.

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

These activities are conducted under the supervision of the Special Officer *i/c* Family Planning, F/South Ward Offices, Dr. Ambedkar Road, Parel, Bombay 400012.

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 26th 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 900 students including Under-graduates of M. B. B. S., Ayurvedic, Homoeopathic and 75 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 seven 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 116 dispensaries and 22 mobile dispensaries were 39,51,191 against 40,97,894 in 1975. The total attendance was 1,46,99,258 as against 1,40,43,499 in 1975.

Clinics for women and children were conducted at 4 dispensaries, for two hours thrice a week. New cases treated were 1,268 (1,008 women and 260 children), as against 1,142 in 1975. The total attendance was 6,561. These figures include visits by the Lady Doctors to patients at their homes. At the 37 maternity and children welfare clinics, 3,03,210 new cases (2,12,115 women and 91,095 children) were treated. The total attendance was 7,18,241.

Municipal Eye Hospital, Kamathipura.—The total number of new cases treated and the total attendance at its out-patient department of this hospital was 36,656 and 1,38,424 as against 40,802 and 1,76,666 respectively during the previous year. The number of indoor patients amongst new cases and total attendance was 1,965 and 20,290 respectively, as against 2,824 and 20,029 respectively in 1975.

The Medico-Social Unit, established in April 1957 at Kherwadi, Bandra, by appointing a Medico-Social Worker, in order to carry out an intergrated 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-infection medical cases (on payment) within Greater Bombay Municipal limits.

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

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

PLACES WHERE AMBULANCES ARE STATIONED.

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

Upgraded Dispensaries.—There has been considerable over-crowding at the Out-patient Departments of the Municipal General Hospitals, making it difficult for the medical staff of the Hospitals to pay adequate attention to each patient. The 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, 37 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 immunization 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.	1976	
	Attacks.	Deaths.
Plague
Cholera
Small Pox
Diphtheria	..	54
Enteric Fever	..	34
Infectious Hepatitis	..	267
Tuberculosis	..	7452
Meningococcal Infection
Typhus
Puerperal Fever
Anterior Poliomyelitis	..	80
Influenza
Virus Encephalitis	..	51
Scarlet Fever
Yellow Fever
Relapsing Fever
Leprosy
Haemorrhagic Fever
Dangue Fever

Immunization

		Total during 1976
Diphth. Tetanus	.. 1st dose	26,687
	.. 2nd dose	21,306
Triple	.. 1st dose	79,463
	.. 2nd dose	52,762
	.. 3rd dose	34,125
	.. Booster dose	..
Polio	.. 1st dose	1,55,521
	.. 2nd dose	1,17,584
	.. 3rd dose	97,608
	.. Booster dose	..
T. A. B.	..	6,79,534
Cholera	..	7,73,069
Small-pox: Primary	..	2,00,452
Re-vaccinations	..	18,29,514
Tetanus-toxide	.. 1st dose	5,08,399
	.. 2nd dose	1,14,068
	.. 3rd dose	31,935
B. C. G. Vaccination	..	73,555

TABLE 2

Deaths and Death rates from Epidemic and Principal Causes, 1976

Causes of Death	Average of year 1971-75		1975		1976	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rates
<i>Principal Epidemic Diseases</i>						
Smallpox	3	0.0	..	..	..	..
Measles	224	0.0	285	0.0	69	9.0
Plague	..	..	..	..	..	..
Enteric Fever	57	0.0	49	0.0	34	0.0
Malaria Fever	..	..	1	0.0	..	..
Influenza	..	..	..	..	..	..
Cholera	..	..	..	..	..	..
Dysentery	321	0.01	267	0.0	262	0.0
Diphtheria	77	0.0	64	0.0	54	0.0
<i>Other Principal Diseases</i>						
Tuberculosis	7,190	1.1	8,415	1.2	7,452	1.0
Meningococcal Infection	1	0.0	3	0.0	..	..
Diseases of nervous system	987	0.2	1,032	0.1	1,231	0.2
Diseases of Respiratory system	11,403	1.7	11,646	1.6	11,331	1.5
Diarrhoea & Enteritis	3,590	0.5	3,679	0.5	3,865	0.5
Purperal State	86	0.0	88	0.0	113	0.0
Congenital Debility & Diseases of early infancy	5,756	0.9	6,082	0.9	6,626	0.9
Senility Without mention of psychosis	1,967	0.3	1,466	0.2	3,201	0.4
Violence	4,369	0.7	5,277	0.7	4,995	0.7
Other causes.	24,896	3.8	26,880	3.8	25,170	3.4
Total	60,977	9.3	65,234	9.2	64,403	8.8

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

Age Period	Small pox.	Meas- les.	Malari- al fever.	Diarr- hoea & ent-er- itis.	Dysen- tery.	Congen- ital mal- forma- tion & li- seses of early infancy.	Disea- ses of respira- tory system.	Convul- sions.	Polio myelitis	Other causes	All causes	Percentage of infants deaths to total deaths.
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 7 days	85	3	3907	475	...	Nil	833	5305	37.5
1 to 4 Weeks	369	2	1306	653	...	...	334	2724	19.3
Total under 4 weeks	455	5	5213	1139	...	Nil	1217	8029	56.8
4 weeks to 6 months	...	5	...	990	29	1053	1550	...	9	655	4301	30.4
6 months to 12 months	...	3	...	480	10	286	652	...	15	351	18.7	12.8
Total	...	8	...	1925	44	6562	3351	Nil	24	2233	14147	100.0

TABLE 4
Infant mortality from Principal Causes (1971-1976).

Causes of death.	1971	1972	1973	1974	1975	1971 to 1975 (A)	1976 (B)	Difference between (A) & (B)
Polyomyelitis	25	25	2	15	13	16	24	+8
Smallpox	...	...	...	...	...	...	...	...
Measles	33	27	10	25	50	35	8	-27
Malarial Fever	...	...	...	...	...	...	...	...
Diarrhoea & Enteritis	1637	1793	1615	1369	1713	1625	1925	+300
Dysentery	61	68	70	45	44	57	44	-13
Congenital malformation and diseases of early infancy	5257	5163	5487	5328	5768	5402	6562	+1160
Diseases of Respiratory systems	3144	3521	3717	3512	3701	3519	3351	-163
Convulsions	43	22	22	1	1	18	...	-18
All causes	12973	13445	13976	13123	13767	13456	14147	+691

TABLE 5
Cases of Notifiable Diseases reported in 1976.

Wards	Cho- lera	Small pox	Plague	Enteric Fever	Diph- theria	Typhus	Puer- peral Fever	Tuber- culosis	Relap- sing Fever	Influe- nza	Spinal Fever	Acute interior Polio- myelitis	Virus enceph- alitis	Scarlet Fever	Infec- tive Hep- atitis	Lep- tosy.	Total
A	12	17	...	...	403	...	...	...	11	1	...	37	...	486
B	33	27	...	...	446	...	...	...	12	9	...	101	...	628
C	12	10	...	...	658	...	...	...	8	...	...	28	...	716
D	18	32	...	...	564	...	...	...	26	4	...	145	...	789
E	51	57	...	...	1,059	...	...	...	62	15	...	219	...	1,463
F	45	58	...	...	2,176	...	...	...	75	11	...	214	...	2,579
G	61	43	...	...	1,669	...	...	...	75	8	...	288	...	2,144
H	7	31	...	...	735	...	...	...	47	4	...	94	...	918
K	10	19	...	...	1,103	...	...	...	77	1	...	79	...	1,289
L	2	14	...	...	1,724	...	...	...	46	6	...	57	...	1,849
M	15	19	...	...	1,061	...	...	...	59	8	...	124	...	1,286
N	9	55	...	...	1,264	...	...	...	54	2	...	100	...	1,484
P	8	17	...	...	946	...	...	...	22	...	...	61	...	1,054
R	3	4	...	...	275	...	...	...	15	2	...	28	...	327
T	1	6	...	...	739	...	...	...	10	1	...	27	...	784
Imported Cases.	6	48	...	...	...	...	...	...	134	1	...	79	...	268
TOTAL:-	293	457	...	...	14,827	...	...	...	733	73	...	1,681	...	18,064

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	...	34506	34506	38404	38404	...	472	442	29	...	1	271	23	...	276	...	56	200	...	
Extended Suburbs	...	27747	27747	29780	29780	...	238	219	17	...	2	177	12	...	163	...	38	37	...	
Total	...	62253	62253	68184	68184	...	710	661	46	...	3	449	35	...	389	...	94	237	...	
2 Passive—																				
City	...	154275	154275	154275	154275	...	1727	1664	56	...	7	1223	87	...	1004	...	333	320	...	
Suburbs	...	78742	78742	78742	78742	...	803	767	31	...	5	627	43	...	333	...	92	378	...	
Extended Suburbs	...	55531	55531	55531	55531	...	921	892	24	...	5	685	57	...	594	...	129	198	...	
Total	...	288548	288548	288548	288548	...	3451	3323	111	...	17	2535	192	...	1931	...	554	916	...	
3 Mass—																				
City	...	48433	48433	48433	48433	...	25	25	...	...	...	18	2	...	17	...	7	1	...
Suburbs	...	15274	15274	15274	15274	...	20	14	5	...	1	9	...	...	3	...	1	16	...
Extended Suburbs	...	47646	47646	47646	47646	...	25	24	1	...	...	12	1	...	10	...	10	5	...
Total	...	111353	111353	111353	111353	...	70	63	6	...	1	39	3	...	30	...	18	22	...	

TABLE 7

Month-wise total Confinements in Institutions in Greater Bombay doing Maternity Work during 1976 (January 1976 to December 1976)

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...	16	8	8	59	19	29	13	35	12	7	24	25	23	6	16	17	34	29	25	405
No. of Beds	872	181	155	725	484	415	499	374	338	72	353	281	368	94	197	395	396	328	219	6,446
Live Births	9,232	4,153	2,322	11,669	15,802	11,168	18,351	7,359	8,025	4,359	9,572	4,905	13,703	7,408	9,507	15,845	13,670	8,672	11,321	1,87,043
Still Births	237	120	43	246	331	407	710	136	212	96	132	81	485	155	218	410	313	237	298	4,865
Total Confinements	9,469	4,273	2,365	11,914	16,133	11,571	19,061	7,494	8,227	4,455	9,704	4,986	14,186	7,562	9,725	16,255	13,983	8,909	11,619	1,91,869
Deaths among Mothers	11	2	2	1	38	18	28	1	6	2	2	...	17	3	...	...	3	1	5	140
No. of Non-Natal Vaccinations against Small-Pox	4,624	2,675	110	1,830	10,040	2,530	6,878	2,467	4,879	2,710	4,528	238	8,718	...	1,558	5,112	3,327	2,917	223	64,359
B.C.C. Vaccination	5,737	758	1,123	6,293	12,855	7,671	12,348	3,820	4,061	3,206	4,494	133	10,236	9,478	6,217	453	7,357	3,451	6,714	1,06,360

TABLE 8

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	Unre-treated**
A	207	200	6	...	1	118	31	7	51
B	108	104	2	...	2	65	8	4	31
C	66	63	3	...	...	37	6	6	17
D	187	179	8	...	...	78	46	8	55
E	431	414	15	...	2	222	83	44	82
F	344	335	7	...	2	191	64	9	83
G	417	401	14	...	2	218	73	10	116
H	331	317	13	...	1	210	37	8	76
K	196	188	8	...	...	89	10	5	92
L	213	200	12	...	1	138	34	7	34
M	396	379	15	...	2	248	64	9	75
N	334	326	7	...	1	184	44	13	93
P	298	280	16	...	2	97	17	3	181
R	472	444	24	...	4	154	42	1	275
T	231	217	13	...	1	129	24	8	70
Total	4,231	4,017	163	...	21	2,178	583	142	1,328

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 9

EXAMINATION OF FOOD AND WATER SAMPLES.

I.—Chemical Examination: (1) Food	
(i) Prevention of Food Adulteration Act.	.. 5,102
(ii) other than the P. F. A. Act	.. 11,836
(2) Water samples	.. 6,174
Chemicals—(3) General Stores	.. 204
(4) Hospitals	110
(5) Miscellaneous	455
	<hr/> 23,881
II.—Bacteriological Examination.—(1) Water	
(i) From City, Suburbs & Extended Suburbs	.. 20,412
(ii) From B. P. T. area.	.. 593
(iii) Private	.. 578
(2) Disinfectants	.. 34
(3) Foods.	1,805
(4) Ice	4
	<hr/> 22,451
III.—Chemical Examination.—(1) Urine, Blood, Stools, Semen	.. Nil

TABLE 10

Admissions, deaths and average number of Patients during the Year 1976, at Kasturba Hospital, Sane Guruji Marg, Bombay 4000-11.

Month	Small Pox.	Chicken Pox.	Measles	Mumps	Anterior Polio Myelitis	Inteactive Hepatitis.	Cholera	Influenza	Diarrhoea & Vomitting due to Gastro enteritis.	Plague	Diphtheria.	Enteric Fever.	C. S. Fever.	Typhus Fever.	Erysipelas.	B. Dysentery.	A. Dysentery.	Whooping Cough.	Other Diseases.	Total	Discharged.	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	..	332	21	58	27	127	..	..	189	..	41	6	..	..	..	1	2	2	725	1531	1505	26	398
February	..	740	64	73	21	120	..	..	220	..	41	9	..	..	..	1	2	..	579	1870	1835	35	531
March	..	777	113	128	13	123	..	..	257	..	38	9	..	..	..	6	9	..	749	2222	2167	55	565
April	..	434	110	93	23	120	..	..	164	..	34	12	..	..	..	4	4	3	504	1505	1459	46	430
May	..	133	98	47	33	121	..	..	267	..	34	7	..	..	..	3	14	..	738	1495	1448	47	353
June	..	51	96	44	44	106	..	..	459	..	21	21	..	..	..	6	43	..	502	1393	1320	73	348
July	..	10	61	46	84	126	..	..	563	..	31	55	..	..	..	9	33	3	1038	2059	1983	76	482
August	..	17	61	32	83	212	..	..	443	..	30	70	..	..	..	7	13	3	1015	1986	1891	95	548
September	..	20	55	21	88	182	..	..	260	..	37	24	..	..	..	13	20	1	733	1454	1397	57	441
October	..	34	96	26	98	115	..	..	298	..	25	25	..	..	..	3	2	1	728	1451	1384	67	434
November	..	54	149	20	71	79	..	..	222	..	37	14	..	..	..	10	5	3	856	1520	1462	58	428
December	..	60	200	19	77	105	..	..	335	..	48	13	..	..	..	3	8	1	907	1776	1415	61	459
Total	..	2662	1124	662	622	1536	..	..	3677	..	417	265	..	..	..	66	155	17	9074	20262	19566	696	449

TABLE 11

Admissions from 1973 to 1976 at the Kasturba Hospital for Infectious Diseases.

Year.	Small Pox.	Chicken Pox.	Measles	Mumps	Anterior Polio Myelitis	Inteactive Hepatitis.	Cholera	Influenza	Diarrhoea & Vomitting due to Gastro enteritis.	Plague	Diphtheria.	Enteric Fever.	C. S. Fever.	Typhus Fever.	Erysipelas.	B. Dysentery.	A. Dysentery.	Whooping Cough.	Other Diseases.	Total	Discharged.	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
1973	..	8	1828	884	456	398	..	..	7263	..	975	1600	1	..	..	168	32	32	16197	33395	32316	1079	740
1974	..	16	1931	1038	505	484	..	..	4434	..	739	598	..	..	..	54	27	15	11982	23665	22867	798	530
1975	2163	925	678	679	..	..	4379	..	627	345	..	..	..	18	152	64	10265	21529	20874	655	455
1976	2662	1124	607	662	..	..	3677	..	417	265	..	..	..	66	155	17	9074	20252	19566	696	449

TABLE 12

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

Particulars	Year			
	1973	1974	1975	1976
	Rs.	Rs.	Rs.	Rs.
Drugs, Dressings & Disinfectants ..	28.70	30.59	25.97	34.93
Diet. ..	17.15	27.65	31.67	30.73
Clothings ..	1.26	3.50	6.37	7.73
Stores ..	1.82	2.80	7.16	9.38
Total ..	48.93	64.54	71.17	82.11
Total No. of patients treated :	33,395	23,665	21,529	20,262

TABLE 13

Total cost per Patient per day at the Kasturba Hospital for infectious Diseases; Sane Guruji Marg Bombay, 400 011 (including Establishment Charges).

Particulars.	Cost per	Infectious Hepatitis
	Indoor Patient.	Out-Patient Department
	Rs.	Rs.
Diet. ..	4.39	..
Stores and Linen ..	2.34	0.25
Drugs, Dressings Disinfectants etc. ..	4.99	0.30
Lighting, Miscellaneous etc. ..	4.18	0.32
Repairs. ..	0.05	..
Establishment ..	27.71	4.77
Total ..	43.66	5.64

TABLE 14

Immunizations, (By Mobile Health Unit).

	Immunizations		
	In School	In field.	Total
Dip. Tetanus			
1st dose ..	13,704	163	13,867
2nd dose ..	14,136	300	14,436
Triple :			
1st dose ..	..	1,438	1,438
2nd dose ..	..	1,338	1,338
3rd dose ..	..	1,222	1,222
Booster ..	..	602	602
Polio :			
1st dose ..	..	1,663	1,663
2nd dose ..	..	1,507	1,507
3rd dose ..	..	1,207	1,207
Booster ..	..	653	653
Tetanus Toxoid ..	..	3,450	3,450
T. A. B. ..	62,994	42,498	1,50,492
Cholera ..	62,994	42,498	1,05,492
Small Pox ..	39,757	93,211	1,32,968
Total ..	1,93,585	1,91,750	3,85,335
Vasectomy operations			
No of patients treated ..	..	1,679	..
I. U. C. D. Insertions			
(a) in (6) Slum Centres. ..	..	1,06,783	..
(b) in health drives ..	..	90,793	..
No. of patient days of treatment			
Total ..	..	1,97,576	..
Total No. of patient days of treatment. ..	..	7,90,304	..

TABLE 15.

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

	Khurshedji Behramji Bhabha Hospital, Bandra	Dr. R. N. Cooper Municipal General Hospital Juhu, Vile Parle.	Khan Bahadur H. K. Bhabha Hospital, Kurla.	Diwalibai Mohanlal (M. A. A.) Hospital Chembur.	V. C. Gandhi and Seth M. A. Vora Muni- cipal General Hospital Rajswadi, Chhatkopar.	Shri Harilal Bhagwati Municipal General Hospital, Borivli.	Smt. M. T. Agarwal Municipal General Hospital, Mulund.							
<i>Accommodation of beds Ward-Wise—</i>														
Children Ward	24	60	22	20	40	35	38							
General Male Ward	20	105	43	19	33	70	30							
General Female Ward	16	105	43	19	17	35	30							
Maternity Ward	85	50	60	..	100	40	..							
Septic & Gynaec Ward	18	30	10	12	33	30	18							
Others	2	55	6	..	177	..	12							
Total No. of Beds.	165	405	178	70	400	210	128							
	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average	Annual Attendance	Daily Average
In-Patients	59656	163	198736	545	48394	121	24185	69	146521	400	37400	101	42449	116
Surgical Operation	8686	24	39826	135	5335	171	3673	10	8929	29	644	2	3634	11
	New Cases.	Total Attendance.	New Cases.	Total Attendance.	New Cases.	Total Attendance.	New Cases.	Total Attendance.	New Cases.	Total Attendance.	New Cases.	Total Attendance.	New Cases.	Total Attendance.
O. P. D.	287690	814313	229658	1066399	10540	971411	180449	727268	192514	1250217	105315	341315	126467	5,54,929
In-Patients Remained on 31-12-1974	151		545		101		69		242		87		125	
Admitted in 1975	10949		32016		11576		3248		25393		6575		6001	
Total No. of patients treated in 1975	59656		198736		48394		24185		146521		37400		42449	
Discharged	10318		18230		9314		2981		14166		5925		5297	
} Cured														
} Otherwise	316		11391		10128		93		1513		231		1080	
Died	280		2758		183		120		902		416		339	
In-Patients Remaining on 31-12-1975	184		658		157		54		332		148		125	
Daily Average	163		650		162		70		400		935		117	
	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	Rs. 30,39,490	27.76	Rs. 80,00,000	33.98	Rs. 19,03,000	19	Rs. 10,65,000	44	Rs. 83,56,021	47.93	Rs. 31,72,990	30.01	Rs. 30,17,050	71.07

APPENDIX-16.

Performance during the year

Serial No.	Direction, Control & General Administration.	Target	Actuals	Remarks
1)	General Administration.			
	Births, registered	1,60,660	2,12,980	
	Death registered	67,330	78,170	
	Other enquiries regarding Birth & Deaths	3,290	2,290	Presumptive figure was in excess.
	Gastro-enteritis cases etc.	3,700	5,336	
	Birth certificates issued	1,58,250	1,63,750	
	Death certificates issued	95,210	92,566	
	Food premises inspected under B. M. C. Act.	1,03,020	1,00,218	
	Food premises inspected under M. P. F. Act.	55,260	35,902	
	Examination of food handlers	5,930	2,630	
2)	Measures to Prevent Epidemics.			
	Programme Work-load No. 2 Inoculations carried out	7,58,800	5,84,757	
	Localities covered for mass vaccination	1,000	2,500	
3)	Control of Infectious Disease No. 3.			
	Houses disinfected	7,820	11,200	
	Wells disinfected	6,790	4,842	
4)	Destruction of unwholesome Food.			
	Shops, dealt with (No.)			
	(a) Hawkers	78,000	1,07,700	
	(b) Shops	62,000	79,723	
	Premises of localities visited	17,300	18,000	
	Sweets destroyed (Kg.)	28,000	75,197	
	Liquid food destroyed (lt.)	85,000	1,48,961	
	Solid food destroyed (Kg.)	58,500	1,07,999	
	Veg. & Food Destroyed (Kg.)	24,000	33,402	
	Veg. Food destroyed (Doz)	25,000	26,860	
5)	Mobile Health Unit.			
	Schools visited (No.)	225	198	
	Medical check-up in Schools (No.)	50,000	34,198	
	Immunisation in Schools	2,10,000	1,93,585	
	Immunisation in Slum and on Rly. Station	2,55,000	1,91,750	
	Health drives	600	1,348	
	Family Planning Exhibitions	80	74	
	Vesectomy Operations	2,000	1,699	
	Intra-uterine contraceptive device	4,000	2,425	
	Medical Interns trained	200	133	
	No. of patients treated and examined at 6 slum Centres	90,000	90,793	
	Emergency Medical problem			
	Film Shows	450	561	
6)	Vaccination (Small-pox).			
	Vaccination (Nos.)	24,18,000	20,30,956	
	Scar Survey (Nos.)	240	168	
	Mass Contingencies	950	3,581	
	Intensified active Surveys	4	4	
	Small-pox Containment surs			No small pox case was detected.
7)	(i) Malaria.			
	Inspections carried out (premises)	97,000	87,774	
	Hutments	1,30,000	1,60,664	
	Water-storage tanks	1,72,000	1,68,851	
	Storm-water entrances	36,500	29,340	
	Open wells	6,800	5,336	
	Wells hermetically concrete covers	1,700	1,708	
	Tubes wells	1,300	1,353	
	Textiles mills	72	72	
	Mills' Tanks	62	72	
	Overhead tanks	400	2,92	
	Fountains, garden tanks	400	893	
	Swimming pools	51	51	
	Grass lands	450	450	
	Grass lands	30	30	
	Greek lands	550	550	
	Village ponds	140	101	
	Low Lands acreage	250	250	
	Open channel drains or overhead drains (Length)	730	730	
	Septic tanks Acquaprivies	21,000	21,527	
	Fogging localities (No.)	4,536	4,536	

APPENDIX-16. (Contd.)

Serial No.	Direction, Control & General Administration.	Target	Actuals	Remarks
7)	(ii) Filaria.			
	Anti-Larval			
	(a) Removal of aquatic plants No. of situations	70	70	
	(b) Channelization and treatment K.M.S.	900	900	
	Laboratory Work.			
	(a) Hours spent in collection No. of hours	5,400	4,416	
	(b) No. of mosquitoes collected	Male 70168 Female 151107	Male 62948 Female 124329	
	(c) No. of females mosquitoes desected	79,172	75,416	
7)	(iii) Destruction of Rats.			
	Mass trapping trap set	13,55,749	13,55,749	
	Supplying traps to complaints traps etc.	10,65,423	10,65,423	
	Poisoning baiting baits placement (No.)	2,33,833	2,33,833	
	Cyanogassing holes gassed	46,145	46,145	
	Night rat killing (No.)	3,83,673	3,83,673	
7)	(iv) Dog Licence.			
	Places raided (No.)	6,000	6,011	
	Dog caught (No.)	60,000	59,092	
	Dogs destroyed (No.)	56,000	53,232	
	Dogs supplied to Research Institutions free	900	931	
	Dogs sold to private parties	400	407	
	Dogs released	2,700	2,470	
	Complaints	5,000	4,553	
	Dogs detained & red in Kennels	60,000	56,022	
	Licences	15,000	16,198	
	Dog immunised	300	335	
8)	Registered and Maintenance of Plans for the Disposal of dead.			
	Cases registered (No.)	64,860	40,712	
9)	Electric Crematorium at Chandanwadi.			
	Inspections carried out	470	15,439	
	Dead bodies disposed of (No.)	2,620	2,217	
	Unclaimed dead bodies disposed (No.)	350	48	
10)	Municipal Laboratory.			
	Food samples	28,700	28,900	
	Samples of private parties	5,000	5,000	
	Water samples	22,000	24,000	
	Miscellaneous Samples	10,800	10,900	
11)	Maintenance of Dhobighat.			Newly started on Commercial basis.
12)	Life Guard Service.			
	No. of persons saved from drowning	--	41	
13)	Supply of snacks etc. to School Children.			
	No. of children supplied with milk etc.	4,00,000	4,00,000	
14)	Eradication of Malaria.			
	Examination of blood samples	4,70,000	1,14,244	
	No. of B. S. Collected during the mass surveillance	2,00,000	4,081	
	Treatment given to the positive cases	5,000	5,30,815	

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

HOSPITAL.

HIGH-LIGHTS.

I.—Expenditure—

	Rs.
(A) 1. On In-patients	3,12,93,156
2. On Out-patients	48,13,377
(B) Average cost per—	
(i) In-patient per day	42.30
(ii) In-patient admission	512.73
(iii) Out-patient attendance	5.16
(iv) Out-patient admission	11.40

II.—Results—

(A) 1. Scheduled Bed Strength	1,450
2. Daily Average in -Patient in Wards	1,947
3. Admissions including those brought over from the previous year	62,806
4. Patients discharged—	
(i) As cured	29,601
(ii) Otherwise	26,584
(iii) Expired	4,438
(iv) Remained in the Hospital on the last day of the year	1,913
5. Average stay of In-patients (in days)	11.7
(B) 1. New Out-patients attendance	4,28,248
2. Daily average of Out-patients (New)	1,404
3. Out Patients (New and Old)	9,32,028
4. Daily average of Out-patients attendance (New & Old)	3,056
5. Casualty attendance (Medico-legal)	27,650
(C) 1. Operations—Inpatients—36,015 Out-patients	57,471
(D) Confinements—	6,240
1. Booked cases	3,421
2. Emergency Cases	479
3. Normal	4,053
4. Abnormal	749
5. Neonatal & Meternal Deaths—	
(i) Meternal Deaths	20
(ii) Neonatal Deaths	164
(iii) Still Birth	124
(iv) Premature Live Born Infants	150

III.—Specialised Treatments—

1. Artificial Kidney Department—	
(i) Peritoneal Dialysis	328
(ii) Haemodialysis	868
2. I. C. C. U. Ward—	
(i) Number of admissions	825
(ii) Resuscitation from Cardiac Arrest	100
3. Open Heart Surgery	246
Other Heart Operations	1,017
4. Neurosurgery—	
(i) Operations	801
(ii) Radiological investigations	2,077
5. Sterilisations—	
Male	255
Female	2,732

IV.—Radiology—

1. X-Ray taken at—	
(i) Hospital	67,614
(ii) C. V. T. C.	9,354
(iii) Orthopaedic Centre	25,282
2. Diagnostic Radiology	3,038
3. Neuro Radiology	2,827

V.—Blood Bank—

1. Number of Blood samples collected from—					
(i) Voluntary Donors	...	...	...	...	7,896
(ii) Relative Donors	..	..	..	..	2,924
(iii) Professional Donors	..	..	..	..	52
(iv) Other Hospitals	...	...	...	...	1,744
2. Number of bottles supplied	...	...	...	...	12,503
3. Amount spent from Poor Box Charity Fund on payment to the professional Donors and other incidental charges	...	...	...	...	12,632

VI.—School Clinic—

1. School Children treated—					
(i) New	..	..	..	..	1,988
(ii) Repeated	...	...	...	...	20,526
(iii) Referred	...	...	...	...	1,176
2. Total Expenditure on Clinic	...	...	...	...	1,12,966

VII.—Physio Therapy—

(i) Attendance at the Centre—					
Out-Patients	..	..	..	..	8,160
In-Patients	..	..	..	..	12,801
(ii) Treatments given to—					
Out-Patients	..	..	..	..	1,46,383
In-Patients	...	...	...	...	2,02,882
(iii) Students admitted during the year	...	...	...	...	40
(iv) Students in the School	...	...	...	...	70
(v) Students graduated during the year	...	...	...	...	34

VIII.—Occupational Therapy—

(A) Patients treated at the Centre	...	...	...	...	12,519
Treatment given	...	...	...	...	1,93,843
(B) (i) Students admitted in the School during the year	...	...	...	...	40
(ii) Number of students in the School	...	...	...	...	74
(iii) Students graduated during the year	...	...	...	...	37

COLLEGE

(i) Total Expenditure on Hostel	...	...	...	Rs.	1,15,000
(ii) Revenue from Tuition Fees, Hostel Rent and Miscellaneous Receipts	...	...	...	Rs.	3,48,978
(iii) Revenue from Post-Graduate Fees	...	...	...	Rs.	1,48,805

II.—Students—

(A) (i) Students admitted	160
(ii) Students in different classes	1,603
		Male	Female	Total	
1 1st M. B. B. S. 1st Year	...	121	39	160	
2 1st M. B. B. S. Casuals	...	17	5	22	
3 IInd M. B. B. S. (I, II, III Term)	...	230	97	327	
4 3rd M. B. B. S. Casuals	...	35	5	40	
5 3rd M. B. B. S. (I, II, III Term)	...	136	42	178	
6 Interns	...	134	34	168	
7 Condensed M. B. B. S.	...	5	1	6	
8 B. Sc. Physiotherapy	...	11	60	71	
9 B. Sc. Occupational Therapy	...	5	65	70	
Undergraduates	...	694	348	1,042	
Post-graduates including Research students	...	385	176	561	
Grand Total	...	1,079	524	1,603	

(B) Occupation of parents or Guardians—

(i) Service	...	...	...	...	54.25%
(ii) Medical Profession	...	...	...	...	16.10%
(iii) Legal Profession	...	..	..	..	5.20%
(iv) Engineering	..	..	..	..	3.14%
(v) Misc. occupations	..	..	..	..	21.31%

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.—160 candidates including (42 students from scheduled castes scheduled tribes and other backward classes were admitted to the M.B.B.S. Course during the year under report. 5 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 the 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 52 life members and 64 ordinary members on the roll. The Society sanctioned for the various research schemes grant of Rs. 1,47,450 and Rs. 1,40,553 for 1975-76 and 1976-77 respectively.

Prof. G. M. Kurulkar Memorial Oration was delivered by Prof. R. K. Mishra on the "Living State".

The Cell in Molecular Biology, Virology and in Genetics and the Microbiology Cell showed a satisfactory progress during the year.

Library.—The facility of library has been provided for the undergraduate and post-graduate students as also for the College and Hospital staff. More funds were made available to purchase 226 new books and to subscribe for periodicals. Different institutions and persons have presented 58 books to the Library among which 32 books are from Britain.

Gymkhana Activities.—This was a year of construction and consolidation of Gymkhana. Hard Concrete Tennis Court, an all weather basketball and tennicoit courts have been provided. The financial position was stabilised due to renting of Dr. Purandare Stadium to Circus for Rs. 20,000 realisation of Rs. 11,542 from Charity Film Show "Aap Beeti" and contribution of Rs. 5000 monthly from the Canteen. Besides, the usual inter-collegiate competitions and Bombay University Sports, extra curricular activities were conducted as usual.

1. DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE.

A large number of extramural activities to initiate the training in the principals and practice of Community Health have been Continued as usual among which following are noteworthy activities:

(i) Urban Internship—

(a) **Comprehensive Health Care-cum-Family Planning Programme**.—Slum areas, Municipal Schools and various industries, institutions and communities through Greater Bombay are covered by Medical Officer, PSM teachers, and interns for medical care, immunization health education and family planning. Various health drives, film shows, other mass communication programmes are arranged in Wards, industries, railway stations etc.

(b) **Malvani Slum**.—is adopted by this department for comprehensive health care, immunizations, nutrition, 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 Primary Health Centres at Karjat, Mangaon, Poynad at Kolaba District, Pahur & Varangaon at Jalgaon District, Ranala at Dhulia District and Vani at Nasik District for training in community Health in rural environment.

(iii) **Family Health Clinic and Family Health Centre**.—Five Clinics are run to give full medical check up to patients and Laboratory investigations (blood, urine, stool, spulum, semen) are carried out regularly.

2. DEPARTMENT OF PHARMACOLOGY

Alongwith undergraduate teaching to medical students, this department continued to train postgraduates in Pharmacology Applied Biology, Biochemistry and Clinical Pharmacology. The number of candidates registered for various degrees is as under—

	No. of Students.		No. of Students.
M. D. (Pharmacology) ...	4	Ph. D. (Pharmacology) ...	4
Diploma in Clinical Pharmacology.	3	M. Sc. (Applied Biology) ...	5
Ph. D. (Applied Biology) ...	1	M. Sc. (Biochemistry) ...	1

(1) **Drug Surveillance Project (Supported by W. H. O.)** Two surgical units were selected for studying the prescribing patterns and adverse reaction for the use of antibiotics planned surgery cases. This was a prospective study started in 1975. Next is a Drug Surveillance Project in Psychiatry.

(2) **W. H. O./C. C. C. R. Project.**—Prof. Director (Dr.) U. K. Sheth continued to be Principal Investigator as a part of W. H. O./C. C. C. R. Project. The department worked in collaboration with the Department of Gynaecology and Obstetrics, and Department of Preventive and Social Medicine.

The Department is participating in a W. H. O. multicentric double blind trial of synthetic and natural oestrogens as oral contraceptives, for its effects on coagulation factors, platelets aggregation, Lipid Metabolism, carbohydrate metabolism and liver function tests.

(3) Financial support received —

	Rs.
(a) From Council of Scientific and Industrial Research, New Delhi.—	
(i) Pharmacology Research Unit ...	1,79,340
(ii) Clinical Pharmacology Unit ...	1,11,815
(b) From various Pharmaceutical Industries like Ciba-Geigy Research Center, Duphar Interfran Ltd., Unichem Ltd., and Boots Ltd. all through Research Society of G. S. Medical College and K. E. M. Hospital ...	3,40,000
(c) From W. H. O./CRC Unit ...	51,804
(d) From W. H. O./Adv. Drug Reaction ...	17,200
Total ...	7,00,159

3. DEPARTMENT OF BIOCHEMISTRY AND NUTRITION.

The department is mainly concerned with Undergraduate training, Post-graduate training for M.Sc. students by papers and research and for Ph. D. 160 students in 1st M.B.B.S. (Jr.), 160 students in 1st M.B.B.S. (Sr.) and 5 students for condensed course worked in this department. The University result of these students is as under :—

	Appeared	Passed	Percentage
April 1976 ...	166	152	91.5
October 1976 ...	16	14	87.5

10 students were admitted for M. Sc. (Part I) and 8 students for M. Sc. (Part II). Their University result is as under :—

Examination	Appeared.	I Class	II Class	Pass Class	Percentage of passing.
M. Sc. (Part I) ...	8	1	5	2	100%
M. Sc. (Part II) ...	11	4	3	3	91%

In addition, 2 students have got their M. Sc. by research.

4. DEPARTMENT OF ANAESTHESIOLOGY.

The department of Anaesthesiology, as a Service Department continued to give anesthesia and resuscitation services. Besides operations an active help was provided in the Wards for resuscitation and management of respiratory and other complication. Total number of operation tables continue to be the same. Arrangements have been made to start Emergency Accident Van Services. The respiratory care services became increasingly popular and the bed occupancy rate was above 50 per cent.

Suburban Hospital: To help to run Anesthesia Services both at Bhabha Hospital, Baudra and R. N. Cooper Hospital, Juhu continued with qualitatively better and larger staff provision.

5. ARTIST SECTION.

(1) Clinical cases photographs	..	..	..	..	280
(2) X-Ray reproduction	..	..	..	..	2,116
(3) Specimen photographs	..	..	..	..	66
(4) Lantens slides 35 mm. of microphotograph, X-Ray specimen, drawing charts, coloured and black & white	..	..	..	..	3,919
(5) Graphs and lettering charts	..	..	..	..	860
(6) Operation photos in coloured	..	..	..	..	380
(7) Enlargements for publications	..	..	..	..	1,389
(8) Book reproduction for slide for teaching	..	..	..	..	1,620
(9) Miscellaneous	..	..	..	..	40
Total ...					10,670

Artists are required to remain present in the Thoracic, C. V. T. C. and J. M. T. Theatres when the operation is conducted.

6. DEPARTMENT OF PHYSIOLOGY

The teaching in the subject of Physiology, Anatomy and Biochemistry were integrated as usual so that all the three departments 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. Instructions and guidance was given to the postgraduate students in Physiology for the M. D. (Human Physiology) and M. Sc. (Animal Physiology) course. Special classes were also conducted for the undergraduates. Lectures in applied Physiology for the 3rd, 4th and 5th year students were arranged.

7. MEDICAL RECORD DEPARTMENT

The scheduled bed strength during the year was 1,450. As usual, 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 4,438 deaths, 813 died within 24 hours of admission, 725 after 24 hours but within 72 hours of admission and 2,900 after 3 days or more from the date of admission. The figures are exclusive of 226 still borns and neonatal deaths. Death rate was 13.75 as against 14.00 during the last year.

Confinement and Abortions: The total number of Confinement was 6,240 and that of abortion was 862.

Medico Legal Cases: Resident Medical Officers attended the various courts for giving evidence in 1009 Medico-Legal cases.

During the year, 375 depositions were filed in the Coroner's Court. 20,202 medical certificates were also issued to different institutions and persons, out of which 1,818 were issued to the various Police Stations, free of charge.

8. SOCIAL SERVICE DEPARTMENT

There are 13 Medico Social Workers and 1 Lecturer working in the Hospital. Following are the notable activities.

- (1) A library for patients with the help of the Bombay Harbour Jaycees.
- (2) The teaching programme for bed ridden children with the help from Lions Club of Chembur.
- (3) Distribution of sweets to all the Indoor Patients on the Independence Day and the Republic Day.
- (4) Film Show and variety entertainment programme for the Indoor patients.
- (5) Donations in the form of medicines, appliances, foodgrain etc. have been collected from various Lions Clubs and also from Voluntary Organisations like Shree Narayan Seva Mandal, Vishwa Hindu Parishad, Sanjivani Trust, Hindu Relief Committee, Dhanvantari Charitable Trust, Hamdard Mandir etc.
- (6) Lectures on Psycho-Social aspects of illness and health to the undergraduate medical students.
- (7) Lectures to the O. T. and P. T. students.
- (8) Supervision or field work training to the students from Tata Institute of Social Sciences and Nirmala Niketan.

Report of the Annual Statistics

(1) Medical & Material aids ...	3,243	(10) Family Therapy ...	21
(2) Rehabilitations ...	268	(11) Alcoholic patients group ...	14
(3) Arranging for discharges ...	272	(12) Orientation of mentally retarded & Epileptic patients relatives ...	108
(4) Follow-up and home visits ...	226	(13) Research projects ...	180
(5) Referred to other agencies ...	55	(13) No. of bleeding sessions ...	80
(6) Social Data ...	994	(15) No. of Outdoor voluntary donors ...	7,796
(7) Referred patients relatives to organized home treatment clinic for X-Ray and B. C. G. vaccination ...	668	(16) No. of Indoor voluntary donors ...	830
(8) Child guidance clinic ...	138	(17) No. of relative donors ...	2,924
(9) Group psychotherapy ...	392		

9. DEPARTMENT OF TRAUMATOLOGY AND ORTHOPAEDIC SURGERY

The Unit has started fracture services for the last two and a half years. Regular instructions in each case are given to the Residents. Separate instructions are also printed on cards in various languages and are given to the patients while giving a discharge.

Polarisation of traumatic work from the cold orthopaedic work has been attended on each Wednesday. This helps in improving the fracture treatment, organizing uniform attitude and training for the Residents.

Over 750 cases of tuberculosis of spine treated by anterior surgery have been done and now a new project has been taken up to correct the old kyphotic deformities of tuberculosis of spine. Cases of scoliosis are also being done. Few cases of total hip have been done and reconstructive surgery of osteoarthritis of knee is being performed more often.

10. NEUROLOGY DEPARTMENT

During the year 1900 new patients were treated at the Out-patient Department and 503 patients were admitted as In-patients. 1257 new cases were treated at the Epilepsy Clinic of the Department.

11. GYNAECOLOGY AND OBSTETRIC DEPARTMENT

O. P. D. Attendance (New) ...	8,092	Abortions ...	862
Admissions ...	9,766	Obstetric Operations ...	7,902

The following data gives the details of Gynaec attendance admissions and operations :—

O. P. D. Attendances ...	17,483
Admissions ...	3,052
Operations ...	1,162

High Risk Pregnancy Clinic: The Special Clinic is run 4 times a week and attendance at the Clinic was as follows :—

Patients with :	Bad Obstetric History ...	353
	Rh-Ve ...	173
	Pre-diabetics ...	46
	Diabetics ...	59
	Heart Disease ...	56
	Syphilis ...	21

The present projects and services :—

1. Study of diabetic patients and their follow-ups.
2. Comparison and treatment with various anti-diabetic drugs.
3. Serial urinary estrogen estimations in High Risk Pregnancy cases.
4. Serial hormonal assays (with the I. R. R.)
 - (a) Plasma Oestrogens
 - (b) Plasma Progesterone.
 - (c) Plasma Human Placental Lactogen.
5. Oestrogen in Saliva (With the I. R. R.)
6. Plasma Estradiol in normal and high risk pregnancy (in collaboration with the Institute for Research in Reproduction, I. C. M. R.).
7. Injection Rh gamma globulin in Rh-ve cases for prevention of immunisation.
8. Serial vaginal cytology for hormonal evaluation.
9. Follow up of women with incompetent OS.
10. Hysterosalpingography in non-pregnant BOH woman.

Heart disease in Pregnancy, as a separate high risk entity was established and an outdoor conducted along with the help of Cadillacs.

Oxytocin challenge test Amniotic fluid assays for foetal maternity and intra uterine growth assessment have been done as and when indicated.

Certain drug trials are also conducted at H. R. P. clinic.

1. Garzmycin trial which terminated in December 1976 for infections in Obst. and Gynaecology.
2. Nitro-Metronidazole therapy in Vaginal Trichomoniasis (Ciba group) being continued.
3. Rh-8 in healing of abdominal wounds.

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.	Follow up & Revisiting cases.	Total attendance.
Tubectomy (Female Sterilization) ..	2,732	1,952	4,684
Vasectomy (Male Sterilization) ..	255	367	622
I. U. C. D. ..	887	1,418	2,305
Oral Pills ..	527	2,812	3,339
Condoms ..	3,994	..	3,994
Other (Implant) ..	98	350	448
Total	8,493	6,899	15,392

Conventional contraceptives distributed—9,330

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

Clinical Pathology :

	No. of Patients	No. of Investigations
Haematological investigations	8,322	41,610
Urine	5,427	21,708
Stool	3,353	3,353
Sputum	2,371	2,371
Bleeding Time & Clotting Time	2,388	2,388
Total	21,861	71,430

Biochemical Section :

No. of investigation done Histology :

Autopsy sp. cimens	209
Surgical Specimens	523
Cytology Samples	430
Cytology slides	1,290

Total number of stained slides prepared from autopsy and surgical specimens 7,032

The laboratory got an additional section to conduct research in cancer and immunology due to munificent donation by Madhukar B. Madgorkar Trust. In this Section new techniques in cancer detection and immunology are being established. The department has acquired a versatile densitometer which will facilitate the quantitative estimation of various lipid and protein fractions in short time.

Biochemical Section :

A. BUN :	16,000	
Creatinine	16,000	
Proteins and EPP	7,000	+ 7,000
Uric Acid	240	
Cholesterol	780	
Bilirubin (T/D)	14,000	
Enzymes SGPT, SGOT Alk. Phosphotase	4,600	+ 2,000
Sugar	7,500	+ 1,500
Calcium, Phosphorous	1,200	+ 1,200
Electrolyts. Sodium Potassium, Chlorides	21,600	+ 21,600
HCO ₃ content and plasma	14,400	
Urine Chemistry	125	

B. Routine Haematological Investigations. (WBC T/D) RBC, Hb., PCV, ESR, Retic Count, Platelet count, BT, CT, Iron and B12	...	...	...	4,000
C. Routine urine examinations Sp. gravity, Albumin Sugar, Microscopic and spectroscopic examinations	...	...	...	4,750
D. Routine stools	...	...	...	1,250
E. Special studies :				
(1) Creatinine Clearance	...	...	...	580
(2) B. S. P. Clearance with hepatic flow	...	...	...	138
(3) D'Xylose Analysis	..	..	...	138
(4) Osmolality	...	...	...	100
(5) Blood and urine barbiturates	...	...	...	95
(6) Heparin Protomin titrations	..	..	..	88
(7) Gastric analysis	...	...	...	150
(8) Blood Ammonia	...	...	...	55
(9) PH and acid load test	...	...	...	80
(10) Blood volume studies	...	...	..	22
(11) Sucros tests	..	..	..	18
(12) Methemoglobin	..	..	..	18
			Total	1,57,745

12. DEPARTMENT OF MEDICINE :

(i) The Department of Medicine consists of two full-time teaching Units with the following Sections under the Director-Professor of Medicine :—

- | | | |
|--------------------|----------------------|-----------------------------------|
| (1) Cardiology | (2) Gastroenterology | (3) Haematology |
| (4) Diabetes | (5) Tetanus | (6) Neurology |
| (7) Radio Isotope | (8) Nephrology | (9) Cardiac Catheterization. |
| (10) Endocrinology | (11) Chest | (12) Arthritis & sports Medicine. |

The Department continued to make rapid progress. Notable advantage during the year includes the Development of Ultrasonic as a tool for investigation of heart disease. Experimental work is in progress to develop non-invasive methods for the study of heart disorders. An indigenously made disposable dialyser is being tested and experiments are already in progress involving the use of an indigenously made artificial kidney. These experiments are being conducted in collaboration with the Bhabha Atomic Research Centre. In the field of Radioisotopes total body scanning for iron has already become a reality and studies involving newer isotopes are already in progress. One of the completed studies include a report on 'Adverse reactions of drug' carried out on 2,000 patients. This study was in collaboration with the Department of Clinical Pharmacology.

(ii) Patients :

Indoor Patients		O. P. D. Patients		Total	ECGs.
Nes	Card Ward	New	Follow-up		
825	1,379	3,384	19,392	22,776	33,664

(iii) Intensive Cardiac Care Unit:

Cases admitted	..	825	Cardiac Resuscitation	..	100
Emergency Bedside Pacing	..	89	ECGs taken	..	6,000
Permanent Implantation	..	12	Intracardiac ECG	..	72
Rehabilitation	...	726	Oesophageal ECG	...	14

(iv) Vakil Institute of Cardiology :

Cases admitted	...	594	Carotin	...	400 procedures
Electrocardiogram	...	-1,020	Phono	...	300 "
Vectorcardiograms	...	160	Apex	...	73 "
Echocardiograms	...	-1,650			

(v) Research work during the last few years has been concentrated on two fronts;

- (1) Study of trace metals in cardiac hypertrophy and cardiomyopathy;
- (2) Echocardiographic studies of the heart in different disease conditions.

Analyses of the motion of the heart and its valves with ultrasonic energy is in progress. The Vakil Institute of Cardiology is the first Centre in India to have this facility.

(vi) Special Studies :

(1) Creatinine Clearance ...	580	(7) Gastric Analysis ...	150
(2) B. S. P. clearance with hepatic flow ...	138	(8) Blood Ammonia ...	55
(3) D'Xylose Analysis ...	138	(9) PH and acid load test ...	80
(4) Osmolality ...	100	(10) Blood Volume studies ...	22
(5) Blood and urine barbiturates ...	95	(11) Sucrose tests ...	18
(6) Heparin protamin titrations ...	86	(12) Methemoglobin ...	18

(vii) Arthritis Clinic :

377 new cases and 2,608 old cases were seen during the year.

(viii) Sports Clinic :

This clinic is run once a week. It has treated over 441 new cases and old cases (sportsmen) for various injuries and other problems. It has been called upon to declare the physical fitness for various state and National teams and the doctors have been asked to officiate as Medical Officers at various schools, University, State and National Tournaments. It works in close association with the Orthopaedic and Physiotherapy Department.

(ix) Tumour Clinic :

Activities on schedule of the clinic—

Nearly 500 patients took advantage of OPD facilities. This consisted of—

- (1) Follow up of operated cases.
- (2) Planning treatment of difficult cancer problems.
- (3) Referring poor patients for Cancer Patients' Aid Society.

The clinical activity includes treatment of cancer patients with unconventional methods like Hyperthermia, Hypertonic intrathecal saline and Hyperalimentation.

(x) Urology Department :

	Urology	UroAndrology
In-Patients ...	419	155
Out-Patients (New Cases) ...	639	250
Operations ...	552	122

Endoscopic work :

(a) A large number of diagnostic endoscopy work was done during the year. Fibroptic instruments have been acquired for this work.

(b) TUR work has been commenced from January 1977 and this procedure is being now routinely applied to indicated cases of enlarged prostate/prostatic carcinoma/bladder neck obstruction.

Renal transplantation work is in progress along with diagnostic and operative work on cases of anuria and chronic renal failure (Creation of A. V. Shunts and fistulae for chronic haemodialysis).

13. NEURO-SURGERY DEPARTMENT:

During the year, 2024 new and 1964 old patients were treated at the Out-Patient Department and 814 patients were admitted as In-Patients.

Department caters to patients not only from Bombay but throughout India. X-Ray and electrophysiological studies form a major part of investigations and are carried out entirely by the neuro-surgical staff.

Department continued to carry out orbital venography and to do most of the neuro-radiology special investigations for the surgical and several medical ails. It maintained a keen interest in the various forms of congenital CNS disorders and the various forms of hydrocephalus. Efforts are made to develop an endocrinological study of the effects of pituitary tumours and have initiated a pilot project in collaboration with the Division of Endocrinology, Institute for Research in Reproduction.

Department of Neurosurgery holds a unique position as it is the only Department in the Country, which has a comprehensive investigation facilities for muscle disorders, and the staff of the department have carried out original research on Duchenne muscular Dystrophy.

14. EAR, NOSE AND THROAT DEPARTMENT:

(i) O. P. D. Attendance ...	24,205	(ii) Indoor admissions ...	2,561
(iii) Operations ...	3,941		
(iv) Special investigations—			
(a) Electro-nystagmography.		(b) Puretone Audiometry.	
(c) Impedence Audiometry.		(d) Optokinetic Study.	
(e) Drug Trial re/ Nasal Decongestants.		(f) Drug Trial for Rhinosporidiosis.	
(v) Audiology :			
(1) New Audiogram ...	2,426	(2) Old Audiogram ...	922
(3) New Speech case ...	186	(4) Total attendance of Speech Therapy ...	1,609

15. DEPARTMENT OF DERMATOLOGY AND VENEROLOGY:

(i) This year, 57,373 new cases inclusive of referred cases from other Sections and 46,004 old cases were treated in the Out-patient Department and 384 cases from other Sections were admitted for the treatment. Department has a well equipped Laboratory and investigations were carried for diagnosis of cases as well as for reasearch purposes, as detailed below :—

Urethral smear, T.S./P.S./V.S./C.S.	272	Biopsy	592
Urine Examinations	38	Allergy Patch Tests	69
Blood Examinations	41		

(ii) Classification of Venereal Diseases :

	Old Cases	New Cases
Syphilis Early	730	566
Syphilis Late	3	1
Cong. Syphilis	...	2
Chancroid	636	486
Gonorrhoea	468	295
N. G. U.	47	32
Donovonosis	65	45
Lympho Granuloma	66	53
Phagedena	10	7
Un-diagnosed	650	367
Total	2,675	1,846

(iii) Contact Tracing :

Letters.	Follow Ups.	Total family contacts treated.	Came for follow-up.	Home Visits.
370	Skin Scabies	12,684	2868	Skin
	Mycotic, V. D.	288	190	V. D. 360
	Pyoderma	2,598	1294	

(iv) 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 Acworth Leprosy Home, 685 patients from Greater Bombay and 360 patients from out of Bombay besides 2,484 repeated patients were treated.

Analysis of Patients—

	Tuberculoid				Intermediate				Lepromatous			
	Male	Female	M/Child	F/Child	Male	Female	M/Child	F/Child	Male	Female	M/Child	F/Child
New	450	232	91	65	82	21	6	...	71	19	4	4
Old	1247	583	123	84	172	49	9	3	167	44	3	...

(v) Molecular Biology Cell

The Cell has been started in the Middle of 1974. It is training students for M.Sc. and Ph.D. in microbiology. Two students from this Cell are receiving fellowships from I.C.M.R. Research project financed by Research Society of Bombay Hospital has been undertaken. Lectures, practicals and seminars for M.D. (Microbiology) and M.D. (Pathology) students are also held regularly.

(vi) Renal Unit and Artificial Kidney Division :

The Renal Clinic is run on Thursday afternoon. It saw 1,365 cases during the year which included 236 new cases. Besides, a number of patients were referred to as emergency cases for consideration throughout Maharashtra. 215 patients received peritoneal dialyses and 87 received haemodialyses.

The Unit offered intensive care management to 177 patients of acute renal failure and intoxication with ingestion of barbiturates. 171 cases have been taken up for renal biopsies and 3 cases have undergone transplants.

(vii) Gastro-Intestinal Clinic:

(1) Haemogram	...	492	(8) Fecal Fat	...	99
(2) Urine	...	376	(6) Co58 B12 absorption test	...	65
(3) Stool	...	628	(8) D'Xylose	...	61
(4) Augmented Histamin Test	...	96	(8) Sigmoidoscopy	...	45

Out-Patients attended—2,566.

(viii) Endocrine Clinic

New Patients	...	-1,288	Old Patients	...	2,383
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(ix) Radio-isotope Laboratory :

Radio Iodine Tracer tests	...	753	Urinary steroids	...	49
Radio Iodine Therapy	...	55	Charcoal T ₃ uptake	...	422
Thyroid scanning	...	465	Renograms	...	45
			Plasma Insulin radio-immunoassays	...	10

(x) Diabetes Clinic :

New Patients	...	-1,070	Old Patients	...	-18,145
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Test carried out

Blood Sugar	...	17,907	B. U. N.	...	1,146
Urine Sugar	...	4,792	Serum Creatinine	...	66
Routine Urine	...	1,244	Serum Proteins	...	1,077
Hb.	...	1,138	Creatinine Clearance	...	18
W. B. C.	...	1,134	Water load test	...	11
E. S. R.	...	1,161			
Serum Cholesterol	...	1,114			

16. HEMATOLOGY DEPARTMENT:

New Out-Patients	...	639	Indoor Patients	...	102
Old Out-Patients	...	2,220	Patients ref. by other Units	...	414

The Research projects of the Department :-

- (1) B₁₂ absorption studies in anemia using whole body counter.
- (2) Effect of antidiabetic drugs on B12 absorption.
- (3) Effect of saturation of the body with cold B₁₂ on B₁₂ absorption using whole body counter.
- (4) Role of fecal blood loss in the causation of iron deficiency anemia in male adults.
- (5) Hemolytic effect of drugs in G-6-P D deficiency-in vivo studies.
- (6) B₁₂ and folate status in hemolytic anemias.

During the year, Messrs. Michigan Pvt. Ltd. offered a donation of Rs. 5,00,000 for the development of the department and naming the department as Dr. Jamanadas Chaturbhai Patel Hematology Department.

17. DEPARTMENT OF PSYCHIATRY :

O. P. D. : 7,937.

Indoor : Male 809 : Female 201 : Children 23

Type of Treatment	Cases	Sessions
Electroconvulsive Therapy	1,236	7,238
Carbondioxide Therapy	38	220
Behaviour Therapy—		
Neurosis and others	114	847
Alcoholism	102	2,538
Anatensol Clinic for Chr. Schiz.	45	1,574
Child Guidance Clinic	70	362
Occupational Therapy	1,054	4,187
Insulin Therapy	102	2,420

Psychotherapy : Individual and group psychotherapy sessions were conducted for various cases of neurosis. Sex education group was conducted every week round the year for patients with sex anxiety. Groups were also conducted for patients suffering from schizophrenia, alcoholism, mental retardation and epilepsy.

Social Worker's Report

	Cases	Sessions
Social data	877	...
Social case work	106	233
Child Guidance Clinic	138	362
Parents Group	70	90
Group for relatives of Schizophrenics	380	80
Group for relatives of Mental Retardation	83	48
Rehabilitation of Mental Retardation	72	...
Group for epileptic patients and relatives	25	8
Case work with alcoholic patients	42	...
Study of Psychopathology of alcoholism	102	...
Study of Psychopathology of Neurosis	75	15
Group psychotherapy	10	...
Family Therapy	21	...

Pædiatric (Medical)

New Patients	123,940	Babies admitted in sick new born	
In-Patients	4,327	Nursery Ward I	223
Babies in post natal wards	3,750	Children attending Well Baby	
Babies kept in high risk nursery	293	Clinic	7,217
		Juvenile diabetic O.P.D.	229
		School Clinic attendance	8,195

Urban Health Programme : This programme gave comprehensive care to infants and pre-school children under 6 years by assessing growth and development, giving nutritional supplements and nutritional advice, immunization, treatment of minor ailments, family planning and health education on hygiene, sanitation, nutrition and mother craft. 10,203 babies were examined in three different clinics.

Rural Health Programme : Immunization, nutritional advice and treatment of minor ailments were carried out at Malvani and Karjat. 14,278 cases have been attended to during the year.

School Health Clinics : Education activities for sick, well children and parents were undertaken as under :—

- (1) Continuing school education in wards for admitted children.
- (2) Classes for mothers on nutrition, family planning and Health care, Film shows for mothers of admitted children at K. E. M. Hospital and Naigaum and Prabhadevi under Six Clinics
- (3) 8,195 children have been examined under this Scheme.

Teaching Programme : Undergraduate training consists of a series of didactic lectures (45) Clinics (60) and ward rounds. Topics covered included care of sick children, care of sick and well new born, pædiatric emergencies, comprehensive care of under six and school children and preventive and social pædiatrics.

Postgraduate training consists of lectures, clinics, seminars and journal.

18. DEPARTMENT OF RADIOLOGY :

The work done at the Department of Radiology during the year 1976.

(i) General Radiology Department :

Plain X-Rays	...	65,347	Cystourethrograms	...	253
Barium Studies	...	1,579	Carotid angio.	...	62
I. V. P.	...	...	P. E. G.	...	49
H. S. G.	...	71	Silograms	...	12
Myelograms	...	134	Others	...	107

(ii) Diagnostic Radiology Centre Department :

Plain X-Rays	...	1,834	Lymphangiograms	...	26
I. V. P.	...	33	Catheter	...	243
Others	...	20	Carotid Angio	...	221
Aortograms	...	203	Bronchograms	...	92
Arteriograms	...	156	Cardiac Pacemaker	...	4
Venograms	...	68	Expr. I	...	18
Splenograms	...	103	Tomogram	...	17

(iii) Orthopaedic Centre :

Plain X-Rays	...	25,255	Myelogram	...	27
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(iv) Neuro Surgery Radiology Department :

Plain X-Rays	...	1,984	Trigeminal block	...	5
I. V. P.	...	1	Stereo Toxic	...	3
Myelogram	...	99			
Cystogram	...	1			
Carotid Angiography	...	1			
P. E. G.	...	75			
Venogram	...	9			
Ventriculogram	...	269			
Tomogram	...	2			
Durogram	...	4			

(v) C. V. T. C. :

Plain X-Rays	...	8,515	Carotid Angio	...	1
I. V. P.	...	844	P. E. G.	...	4

19. MEDICAL CHECK-UP CENTRE :

The Centre has examined, investigated and treated 570 patients during the year.

(i) Diagnostic Centre' Parel :

Patients treated	...	13,051	Patients treated in the paediatric O. P. D.	...	7807
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Immunizations—

Polio : 5,040	Triple : 5,071	Ge. Ing. : 1,769
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Patients investigation in Laboratory :

Urine : 20,729	Stool : 1,163	Blood : 19,009	Total : 40,901.
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(ii) Physiotherapy Centre :

40 Students were admitted out of which 38 were continuing the course in F.Y.B.Sc. (Physical Therapy) Class. 34 Students graduated during the year and 70 students are at present undergoing the training.

Number of Patients	...	20,961	Number of Treatments	...	3,49,265
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(iii) Occupational Therapy Training School and Centre :

34 students passed F.Y.B.Sc. (Occupational Therapy) and 37 students completed the course and got their B.Sc. (Occupational Therapy) Degree. 40 students have been admitted for new course.

Prof. (Mrs.) M. M. Shahani represented India at the Council Meeting of the World Federation of Occupational Therapists at Bois Larris Paris in July 1976. The Staff participated at the Symposium on Paraplegia organized by the All India Occupational Therapists Association.

12,519 new patients were registered and treated. 1,93,843 treatments were given during the year and 509 splints were prepared.

In the Weaving Section of the Department produced goods were worth Rs. 7,331/- and total sale of the woven goods and other articles was of Rs. 12,371/-.

The Printing Section is well established and has done printing work of Rs. 39,246/-.

(iv) **Prophylactic Immunization Centre :**

26,341 patients were treated during the year at the Centre and 7,343 new cases were registered. Anti-Rabic treatment, immunization against Typhoid, Cholera, Plague, Diphtheria and Small Pox was also done at the Centre as usual.

(v) **Dr. J. M. Mehta Pharmaceutical Laboratories :**

2,26,975 transfusion bottles (12 types), 19,666 vials (11 types) and various other items were manufactured.

The production cost of the items manufactured is Rs. 4,34,150/- resulting into approximate saving of Rs. 9,84,210/-.

(vi) **Central Sterile Supply Service (C.S.S.S.) :**

Preparation and sterilization of Bleeding sets for collecting blood and Plastic sets for administering Transfusion fluids was undertaken. Use of plastic tubing in place of latex tubings for preparing bleeding sets is being tried.

Drums, Trays etc. received from various Wards and Theatres and Injectables manufactured by Pharmacy Department and various administrative sets and emplies are sterilised.

Summary of Work Load and Activity

I. (1) Bottles :—

(a) Transfusion bottles (8 types) 500 ml.	...	...	...	1,87,295
(b) A. C. D. Solution 80 ml.	...	...	...	12,915
(c) Water for injection 500 ml.	...	...	...	20,545
(d) Intra-peritoneal solution A & B 1000 ml.	...	...	...	6,150
(e) Hank's Solution 500 ml.	...	...	...	70
			Total	2,26,975

(2) Vials 12 Types	...	...	...	19,661	Vials.
(3) Stock Solutions (4 types)	...	...	...	578	Litres.
(4) Stains S Solutions for Clinical use (9 types)	...	...	...	546.50	Litre.
(5) Miscellaneous items :—					
(a) Bone Wax (Surgical) (41 units)	...	...	...	8	Kg.
(b) Repacking from bulk	...	...	...	580	Units.
(c) Administrative sets :—					
(i) Saline transfusion sets (Plastic)	...	...	...	55,736	Nos.
(ii) Bleeding Sets	...	...	...	14,640	Nos.

II. Central Sterile Supply Service :—

(a) Drums	...	...	...	42,953
(b) Trays	...	...	...	20,269
(c) Boxes (Bleeding sets & in each box)	...	...	...	2,928
(d) Paper Packets for plastic saline sets	...	...	...	55,736
(e) Transfusion bottles	...	...	...	2,26,975
(f) Vials	...	...	...	19,661

III. Control Laboratory :—

(a) Test for Contents	...	...	...	498
(b) Conductivity Test for water	...	...	...	284
(c) Analysis of Medicines, Chemicals etc. (Supply check)	...	...	...	13
(d) Pyrogen test	...	...	...	494
(e) Sterility test	...	...	...	914

20. DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

1,97,657 Laboratory investigations were carried out during 1976 in the Central Clinical Laboratory (apart from Wards & O. P. D. Laboratories) on the material sent from the Hospital as against 1,54,840 and 1,53,795 in the year 1975 and 1974 respectively. These grouped under the following heads.

Urine, Stool & sputum.	...	81,619	Neuropathological	...	5,363
Microbiology Section.	...	36,067	Serology	...	11,119
Biochemical.	...	63,489	Haematology Section	...	16,032

Pathological :

Routine Urine Exam.	...	56,831	Sputum Exam.	...	3,892
Stool Routine Exam.	...	20,886			

Examination Blood :

Complete haemogram.	4,603	Cytology for Malignant cells	428
E. S. R. estimation.	4,459	C. S. F.	1,925
Retic counts.	454	Puncture fluids	687
Platelet counts.	241	Sicking Test	60
Total R. B. C. counts.	48	Special Leucocy stains	15
Peri smears for Malarial Microfilaria.	1,018	Bone Marrow smears	34
L. E. Preparation.	142	BT & CT	1,895

2,013 autopsies were performed during the year as against 2,157 and 2,202 during last two year.

Following table shows the number of paraffin blocks prepared for histological examination from the autopsy material and surgical tissues from 1st June to 31st December 1976.

Year	Block of P. M. Organs.	Blocks of tissues from the surgical side.	Tissues received from res. enquiries.
1976	14,249	13,124	9,113

3,561 persons (food handlers) were directed for examination by H. O's Department out of which only 1,297 persons attended for examination. 614 persons did not give their stools, blood etc. for pathological examination.

(i) Serology :

V. D. R. L.	7,069	R. A.	188
Widal	2,484	P. B.	49
ASLO	510	BRUCHLLA	..
W. R.	819		

(ii) Microbiology :

Urine Culture	6,606	C. S. F.	3,715
Urine AFB	306	C. S. F. for AFB	904
Sputum Culture	1,738	Stool Culture	428
Sputum AFB	633	Casoni's Test	16
Blood culture	1,028	P. M. Cultures	591
Aspiration fluids (pleural, peritoneal pericardial, prostatic etc.)	1,330	Pharmacy cultures	904
Aspirated fluids for AFB	634	Antibiotic sensitivity testing	1,070
Swabs (Throat, Nasal, conjunctival, vaginal etc.)	2,669	Miscellaneous ampouls 20 colony counts	308
Swabs for AFB	63	Catheter & polythelene tubes	203
Pus	2,299	Theatre swabs	457
Pus for AFB	632		

(iii) Histopathology :

Surgical biopsies.	369	External tissues.	11
No. of brain specimens (from autopsy)	390		

(iv) Neurochemistry :

Cerebrospinal fluids (cell count protein, sugar and chloride etc.)	1,001	Serum CPK	213
Blood sugar	1,330	Urinary aminoacid	30
Serum Cholesterol	182	Serum total proteins	90
Serum GOT & GPT	302	Serum bilirubin	90
Prothrombin time	305	Blood urea creatinines	345
		Urine acid mucopolysacchride	15

(v) Muscle Histochemistry :

Histochemistry	42	Quantitative estimation of CPK & other enzymes in muscles.	39
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21. K. E. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE STAFF SOCIETY

151 members were on the roll at the end of the year.

Journal of Postgraduate Medicine : During the year, 59 articles including 48 new articles were received. Out of these 31 articles were published.

22. NURSES:

(i) In the year, nurses were sent for different examinations and their performance in Examination was satisfactory.

Examination.	Period.	Appeared.	Passed.	Percentage of passing.
General Nursing Part I	February 1976 ...	63	50	79%
	August 1976 ...	62	45	73%
General Nursing Part II	February 1976 ...	61	44	72%
	August 1976 ...	53	42	79%

(ii) Nursing Welfare Fund:

The Nurses' Welfare Fund is changed into Society. Subscription from Nurses and donations received from generous people are credited to the Fund. It is managed by a Committee of which the Dean is an ex-Officio President. The corpus of the Funds amounting to 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 entertainments, sports, picnics, send off functions for retired members and also for giving loans to the nurses in their difficulties.

23. K. E. M. HOSPITAL & SETH G. S. MEDICAL COLLEGE EMPLOYEES CO-OP. CREDIT SOCIETY

2025 members were on the roll at the end of the Co-operative year ending 30th June 1976. The Share Capital amounted to Rs. 4,64,610/- as against Rs. 4,72,960/- of corresponding year. The amount of loans granted to the members was Rs. 28,74,055 as against Rs. 26,86,895/- in the previous year. The Society declared Dividend at 9% on the share amount held by Members. The accounts of the Society is being audited by the Government Auditors.

24. POOR BOX CHARITY FUND:

A sum of Rs. 1,65,162 was spent out of the Poor Box Charity Fund in the year as against Rs. 1,44,159 during the previous years. The amount was spent on costly drugs, blood transfusions, surgical appliances, travelling expenses for poor and deserving patients of the Hospital. Donations of Rs. 1,09,069.76 have been received from the patients, Philanthropic bodies and individuals. In addition to cash donations, small donations in kind were also received.

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	4	..	208
2. Surgical	124	33	..	..	157
3. Ophthalmic	25	16	..	..	41
4. Gynaec	..	56	..	..	56
5. Obstetric	..	176	..	..	176
6. Skin & Veneral	16	10	6	..	32
7. Orthopaedic	120	81	39	..	240
8. Aural	12	10	26	..	48
9. Psychiatric	32	8	8	..	48
10. Neuro Surgery	18	10	8	..	36
11. Neurology	22	6	4	..	32
12. Paediatric (Medical)	..	..	96	..	96
13. Plastic Surgery	16	14	10	12	52
14. Thoracic Surgery	10	6	..	..	16
15. Isolation Resuscitation	8	3	..	..	11
16. Cardio-vascular & Thoracic Surgery	29	19	..	..	48
17. Cardiology	22	8	..	10	40
18. Chest Clinic	13	11	..	..	24
19. Paediatric Surgery	..	..	43	..	43
20. Drug Trial (CIBA)	..	..	..	10	10
21. Drug Trial (CIPLA)	..	..	..	10	10
22. Drug Trial (UNICHEM)	..	..	..	10	10
23. Urology	8	5	3	..	16
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 31-12-75	Admitted during the year 1976	Total treated	Discharged		Died	In the Hospital at the mid-night of 31-12-76
					Cured	otherwise		
MEDICAL	Male	239	9,924	10,163	729	7,845	1,338	251
	Female	119	5,203	5,322	532	3,992	671	127
	Male Child	7	287	294	79	114	95	6
	Female Child	5	197	202	62	79	57	4
SURGICAL	Male	177	8,030	8,207	688	6,901	436	182
	Female	48	2,762	2,810	591	1,874	285	60
OPHTHALMIC	Male	28	967	995	879	75	..	41
	Female	9	583	592	497	81	2	12
	Male Child	1	84	85	71	13	..	1
	Female Child	..	52	52	35	15	2	1
GYNAEC	Female	68	3,052	3,120	2,972	48	29	71
	Female Child	..	..	..	..	..	..	..
SKIN-VENERAL	Male	25	285	310	189	96	4	21
	Female	8	121	129	99	17	5	8
	Male Child	..	27	27	15	11	..	1
	Female Child	1	23	24	16	8	..	..
AURAL	Male	15	973	988	759	197	13	19
	Female	7	810	817	488	321	3	5
	Male Child	4	431	435	332	91	5	7
	Female Child	1	373	374	349	91	1	5
ORTHOPAEDIC	Male	297	2,657	2,954	1,889	736	88	241
	Female	137	1,098	1,235	670	403	40	122
	Male Child	46	766	812	568	169	5	70
	Female Child	22	350	372	248	91	3	30

APPENDIX II—Contd.

Department	Sex	In the Hospital at the Mid-night of 31-12-75	Admitted during the year 1976	Total treated	Discharged		Died	In the Hospital by the mid-night of 31-12-76
					Cured	other-wise		
PSYCHIATRY	Male	17	668	685	408	251	1	25
	Female	8	360	368	238	118	1	11
	Male Child	..	29	29	18	11	..	..
	Female Child	..	16	16	9	7	..	..
NEUROLOGY	Male	17	274	291	178	81	18	14
	Female	9	136	145	82	50	5	8
	Male Child	4	60	64	38	18	4	4
	Female Child	2	33	35	20	11	2	2
EUROSURGERY	Male	17	260	277	157	58	47	15
	Female	12	129	141	78	23	30	10
	Male Child	6	98	104	65	22	15	2
	Female Child	1	69	70	30	22	16	2
PAEDIATRIC	Male Child	36	2,622	2,658	1,709	454	456	39
	Female Child	15	1,709	1,724	888	453	339	44
OBSTERIC	Female	155	9,766	9,921	9,567	158	26	170
	Female Child	..	1	1	1	..	..	..
PLASTIC SURGERY	Male	21	307	328	209	91	2	26
	Female	6	134	140	98	29	2	11
	Male Child	3	101	104	68	32	1	3
	Female Child	7	85	92	59	22	1	10
THORACIC-SURGERY	Male	36	347	383	137	159	58	29
	Female	20	261	281	149	95	23	14
	Male Child	3	38	41	18	7	9	7
	Female Child	..	36	36	17	10	5	4
CARDIOLOGY	Male	10	249	259	116	105	17	21
	Female	6	152	158	80	45	16	17
	Male Child	2	41	43	19	15	2	7
	Female Child	..	17	17	7	6	1	3
PAEDIATRIC SURGERY	Male Child	31	1,752	1,783	1,121	539	86	37
	Female Child	18	806	824	550	212	47	15
ASTHAMA	Male	13	364	377	177	120	58	22
	Female	6	218	224	112	79	22	11
	Male Child	..	9	9	5	4	..	..
	Female Child	..	1	1	1	..	..	..
UROLOGY	Male	11	359	370	169	173	8	20
	Female	3	63	66	32	22	4	8
	Male Child	..	5	5	4	1	..	..
	Female Child	..	..	..	..	..	..	..
DIABETIC	Male	1	108	109	72	30	3	4
	Female	5	91	86	42	36	3	5
	Male Child	..	2	2	2	..	..	..
	Female Child	..	2	2	1	1	2	..
G. I. C.	Male	..	44	44	17	22	5	..
	Female	3	19	22	11	10	..	1
	Male Child	..	1	1	..	..	1	..
	Female Child	..	..	..	..	..	..	..
HAEMATOLOGY	Male	4	81	85	31	38	12	4
	Female	1	28	29	7	9	9	4
	Male Child	..	2	2	1	1	..	..
	Female Child	..	..	..	..	..	..	..
ENDOCRINOLOGY	Male	..	15	15	8	6	1	..
	Female	..	20	20	13	7	..	..
TOTAL	Male	928	25,912	26,840	6,822	16,974	2,109	935
	Female	630	24,996	25,626	16,358	7,417	1,176	675
	Male Child	143	6,355	6,498	4,128	1,507	679	184
	Female Child	72	3,770	3,842	2,293	956	474	119
GRAND TOTAL		1,773	61,033	62,806	29,601	26,854	4,438	1,913

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 ..	49,663	25,419	9	7	2,622	1,408	42	21
Surgical ..	71,972	22,244	43	28	8,847	2,890	31	18
Ophthalmic ..	15,507	7,200	1,517	1,263	578	78	30	13
Gynaec ..	..	17,481	..	2	..	78	..	..
Dental ..	9,750	7,373	1,097	942	48	7	5	4
Skin ..	29,813	10,236	10,036	7,304	26	2	2	..
Aural ..	12,203	7,669	3,343	2,536	359	108	52	23
Orthopaedic ..	18,627	8,802	3,196	1,793	3,133	969	723	316
Psychiatric ..	4,586	2,725	391	235	12	4	2	..
Neurosurgery ..	381	208	102	54	3	..	..	..
Neurology ..	1,039	536	200	125	..	1	..	1
Paediatric Medical ..	..	..	14,145	9,795	..	..	711	430
Obstetric ..	..	8,092	..	..	..	160	..	..
Dispensary Service ..	2,244	778	46	20	..	..	..	..
Diabetic ..	989	743	9	2	..	..	..	..
Plastic Surgery ..	269	149	118	60	1,304	222	133	78
Paed. Surgery ..	..	..	11,502	5,393	..	..	1,207	736
Thoracic Surgery ..	829	610	165	80	4	1	..	..
G.I.C. ..	190	69	4	4	..	..	..	..
Cardiology ..	1,628	1,329	266	200	..	..	..	..
Endocrinology ..	178	427	28	18	..	..	..	..
Asthma ..	30	20	1	..	..	..	..	..
Chest-Clinic ..	1,163	687	58	43	..	..	..	..
Epilepsy ..	560	271	262	164	..	..	..	..
Urology ..	855	113	15	8	..	..	..	..
Casualty ..	3,255	937	574	286	..	..	..	..
Arthritis Clinic ..	228	180	4	1	..	..	..	..
Sports Clinic ..	262	108	2	1	..	..	..	..
Vascular Clinic ..	15	3	..	1	..	..	..	..
Municipal Staff ..	18	3	..	..	149	33	18	8
Total ..	2,26,354	1,24,412	47,117	30,365	17,085	5,961	2,956	1,648
Grand Total ..	New O.P.D. Cases			4,28,248	Casualty			27,650

APPENDIX IV

COST PER IN-PATIENT AND OUT-PATIENT—per day.

Year	Establishment	Contingencies	Heating and Lighting	Drugs and Medicines	Diet	Stores and Linen	Repairs Maintenance & Engr.	Main Bldg.	Total
In-Patient									
1976 ..	18.55	2.40	0.89	11.62	3.81	2.98	2.05	..	42.30
1975 ..	17.28	2.72	0.70	9.27	4.13	2.47	0.96	..	37.53
Out-Patient									
1976 ..	5.15	0.82	0.31	3.39	..	1.09	0.64	..	11.40
1975 ..	6.29	1.13	0.24	5.76	..	1.04	0.86	..	15.32

APPENDIX V

Results of Examinations

Name of Examination	April 1976		October 1976	
	Appeared	Passed	Appeared	Passed
1st M.B.B.S.	28	23	167	149
2nd M.B.B.S.	144	132	47	34
3rd M.B.B.S.	55	42	168	126
B.Sc. (Physiotherapy) F.Y.	38	23	12	7
B.Sc. (Physiotherapy)	33	20	23	14
B.Sc. (Occupational Therapy) F.Y.	43	20	16	14
B.Sc. (Occupational Therapy)	33	27	12	11
D.M.L.T.	10	7	2	2
M.D. (Medicine)	20	1	20	6
M.D. (Path. & Bact.)	8	6	5	4
M.D. (Obst. & Gyn.)	16	6	15	11
M.D. (Pharmacology)	2	1	1	..
M.D. (Paediatric)	15	5	15	7
M.D. (Skin Diseases)	..	..	1	1
M.D. (Anaesthesia)	3	1	9	7
M.D. (Radiology)	2	2	2	2
M.D. (Psychological Med.)	5	4	1	..
M.D. (Cordiology)	1	..	4	2
M.S. (Gen. Surgery)	21	9	21	9
M.S. (Orthopaedics)	9	..	17	..
M.S. (F.N.T.)	5	1	6	..
M.S. (Ophthalmology)	2	1	2	1
M.S. (Human Anatomy)	1	..	..	..
M.S. (Neuro Surgery)	1	..	..	..
M.S. (Thoracic Surgery)	..	..	1	1
M.S. (Paed. Surgery)	1	..	2	2
M.S. (Plastic Surgery)	1	1	..	..
D.A.	9	6	6	4
D.V.D.	5	4	3	2
D.P.H.	2	1	2	..
D.P.M.	..	..	2	2
D.M.R.D.	1	..	3	2
M.Sc. Biochem. by papers	20	12	7	6
M.Sc. Biochem. by Research	8	8	..	..
M.Sc. Applied Biology	5	5	..	..
Ph.D. Applied Biology	1	1	..	..
M.C.P.S.	11	1	10	7
F.C.P.S.	7	2	9	3
D.G.O.	9	4	13	8
D.C.H.	7	2	15	3
D.F.P.	5	3	3	3
D.O.M.S.	1	1	3	1
D.P.M.	6	2	10	6
D.M.R.E.	4	3	3	2
D.D.V.	1	..	3	2
D.O.R.L.	4	2	3	..
D.A.	2	1	..	..
D. Orth.	9	2	6	4
D.P.B.	7	2	1	1
D.P.H.	1	..	..	..

APPENDIX VI

RESEARCH

(1) Department of Pharmacology:—

A total of 175 compound has screened for biological activity using tests for primary screening of these 14 compounds were subjected to secondary screening for diuretic activity, 5 for tranquilliser activity, 21 for hypoglycaemic activity, and 2 for anti-inflammatory activity. 129 clonidine analogues were screened for C. N. S. and hypotensive activity.

(i) Other Projects:—

1. Pharmacological evaluation of ethacridine lactate.
2. Effect of various drugs in Experimental Anaphylaxis.
3. Pharmacological and structure activity relationship of some newly synthesized imidazolines and related derivatives for antihypertensive activity.
4. Pharmacological studies of new anorectic agents.
5. Changes in blood and tissue levels of biogenic amines, during endotoxin shock in experimental model.
6. Biochemical changes in Isoprenaline induced cardiac hypertrophy.
7. Study of hepatic damage and biogenic amines in rats.

(ii) Clinical Projects:—

1. Studies of biogenic amines and their metabolites in disorders of brain.
2. Biogenic amines in tetanus.
3. Use of Metolazone and Furosemide in resistant patients.
4. Relationship between blood loss and antihookworm treatment using chromium tagged RBCS.
5. Human biological evaluation of spironolactone analogues.
6. RH-8-Anti-inflammatory studies in episiotomy cases and dental cases.
7. Drug surveillance program in surgical wards for antibiotic usage.
8. Study of combination of spironolactone and Metolazone in hepatic cirrhosis.

(2) Department of Anaesthesia:—

1. Serum Magnesium level under Anesthesia.
2. Study of Cenbucridine.
3. Use of lumbar extraural block for painless labour.

(3) Department of Preventive and Social Medicine:—

1. Socio-Psychological study and rehabilitation of all burns cases admitted in Ward VII during the year 1973.
2. Study of queing patients of out patients department and utilization of specialists service

Incompleted:—

1. A study of knowledge and attitude of college students towards sex education, venereal diseases and alcoholism.
2. Survey and evaluation of venereal diseases of prostitutes in red light areas.

(4) Department of Diabetes:—

1. An I. C. M. R. collaborative study on "Sulfonylureas in diabetes on low calorie diets" was commenced on September 1976.
2. Dr. Bhandarkar is the collaborator of a study on "Glucose Tolerance in patients with stroke commenced in October 1976 by Dr. A. A. Chikhalikar under the auspices of the Seth G. S. Medical College and K. E. M. Hospital Research Society.
3. A detailed long-term study of the value of "combined insulin plus sulfonylurea therapy" of diabetes was commenced.
4. "Glucose tolerance in cirrhosis of liver" and "Ischemic Heart Disease in Diabetes" were the topics of two completed studies. They formed the subjects of dissertations by two students taking M. D. (Medicine).

(5) C. V. T. C. LABORATORY:—

- (a) Immunological studies in rheumatoid arthritis.
- (b) Immunological studies in transplantation.
- (c) Pulmonary emphysema in Bombay. (By whole lung section).
- (d) Conduction system in A-V blocks.
- (e) Inflammatory lesions of aorta.
- (f) Studies in hyperlipidaemia with special reference to lipoprotein pattern in health and disease.
- (g) Isoenzyme pattern of L. D. H. and alkaline phosphatase in malignancy.
- (h) Haptoglobins and Glycoproteins in rheumatoid arthritis.

(7) Department of Medicine:—**(i) On going research projects:—**

1. Synovioanalysis in rheumatoid arthrities.
3. Ankylosing spondilitis and HLA.
3. Amyloidosis in rheumatoid arthritis.

(ii) On going research in Nephrology Clinic:—

1. Study of Immunological basis for the development of chronic pyelonephritis in recurrent urinary tract infection.
2. Study of fibrinogen, fibrinolysis and fibrin degradation products in acute and chronic renal failure.
3. Diabetic renal disease with special reference to morphological and functional renal alterations.
4. Study of renal tubular acidosis.
5. Study of renal functional alterations in chronic hepatic disorders with observation on combined acute hepatic and renal failure.
6. Renal failure following snake bite and study of its pathogenesis.
7. Immunological studies in post-streptococcal glomerulonephritis.
8. Correlative studies of renography and angiography in renal hypertension.

(8) Tetanus Unit —

1. I. C. M. R. Project in Clinical and Electrophysiological studies of tetanus.
 - (a) Cephalic tetanus
 - (b) Tetanus neuropathies
2. Study of biogenic amines in tetanus.
3. Study of the immune response in tetanus
4. Trial of high potency 1 dose vaccine.

APPENDIX VII**Publications****(1) Department of Pharmacology —**

1. Effect of monoamine depletors on brain GABA content of mice. S. M. Pohujani, N. K. Dadkar and U. K. Sheth. *Ind. J. Med. Res.* 64, 743, 1976.
2. Effect of adrenergic blocking agents on the brain GABA content of mice. S. M. Pohujani, N. K. Dadkar and U. K. Sheth. *Ind. J. Med. Res.* 64, 748, 1976.
3. Inflammatory process and screening methods for anti-inflammatory Agents. S. R. Naik and U. K. Sheth. *J. Postgraduate Med.* 22, 5-21-, 1976.
4. A comparative study of Central Nervous System Depressant. Effects of some of the Disubstituted piperazine compounds Part I. N. K. Dadkar, Vaishali N. Dadkar and U. K. Sheth. *J. of Postgraduate Med.* 22, 76-82, 1976.
5. Studies on the mechanism of hypotensive action of a disubstituted piperazine derivative (Part II). N. K. Dadkar, Vaishali N. Dadkar and U. K. Sheth. *J. Postgraduate Medicine* 22, 161-170, 1976.
6. Structure Activity Relationship of Distributed Piperazine compounds. (Part II). N. K. Dadkar, Vaishali N. Dadkar, C. V. Deliwala and U. K. Sheth. *J. of Postgraduate Med.* 22, 66-75, 1976.
7. Effect of some diuretics on Kidney succinic dehydrogenase ATPase and glutathione in rats. S. R. Naik, S. M. Pohujani and U. K. Sheth. *Ind. J. Med. Res.* 64, 1486-1490, 1976
8. Involvement of dopamine in different pharmacological actions. S. R. Naik and U. K. Sheth. *Ind. J. Med. Res.* 64, 1813-1819, 1976.
9. Role of Medical Institutions in the Development of new drugs. U. K. Sheth. *J. Postgraduate Med.* 22, (1), 1-4-, 1976.
10. Regulatory Millieu in India, (Clinical Pharmacology and Therapeutic. U. K. Sheth 19, Part II, 704-717, 1976.
11. Levodopa in the treatment of Hepatic Coma due to Fulminant Hepatic failure. J. M. Mehta et al. *J. of Postgraduate Med.* 22, 32-36, 1976.
12. Study of Bioavailability of Oral iron Preparations. K. C. Gupta, T. Paul, J. M. Mehta, N. K. Desai. Bharati Sanghvi and U. K. Sheth.
13. Rationalisation of Therapeutics—a confused scene. Editorial. *J. of Postgraduate Med.* 22, 47-49, 1976.

14. In vitro susceptibility of urinary pathogens to trimethoprim nitrofurantoin and trimethoprim—nitrofurantoin combination. Pervin Anklesaria, Swati Paranjpe, Kusum Gupta, T. Paul, V. N. Acharya and U. K. Sheth.
15. Therapeutic potential of *Luffa Echinata* (Ronb) in viral hepatitis. A. B. Vaidya, C. K. Bhatia, J. M. Mehta and U. K. Sheth. *Ind. J. Pharma.* 8, 245-246, 1976.
16. Possible Pharmacokinetic explanation for the rate dependent toxicity of Furosemide. Nilima Kshirsagar, B. P. Shah, K. K. Voara, S. M. Karandikar, Vidya Acharya and U. K. Sheth *Ind. J. Pharma* 8, 161-166, 1976.

(2) Department of Physiology —

1. Thrombocytosis promoting effect of aspirinated platelets in the Indian Journal of Pharmacology Vol. 8(3) 177-180, 1976 by Dr. (Mrs.) S. M. Kendurkar, Dr. R. J. Minina, Mrs S. M. Ajsaonkar and Mrs. J. J. Mehta.

(3) C.V T. C. Laboratory —

1. Pattern of peripheral vascular disease in India. Kinare S. G. Kher Y. R., Rao G. Sen P. K. *Angiology* 27, 165, 1976.
2. Pulmonary vasculature in Fallot's Tetralogy—Sheth R. A., Kinare S. G., *Ind. Heart. J.* 28 : 52, 1976.
3. Nonspecific aortitis (Takayasu's disease)—Autopsy study of 35 cases; Kinare S. G. *Pathology of Microbiologia* 43 134, 1976.
4. Congenital right ventricular outflow obstruction and myocardial infarction—Kulkarni H. C., Nair K. G. Kinare S. G. and Pinto I. J. : *Ind. Heart J.* 28 : 177, 1976.

(4) Department of E. N. T. :—

1. Use of Air-born—Dr. S. R. Rege.
2. An Aspergilloma of Para-nasal sinuses—Dr. S. R. Rege.
3. Diagnosis & Management of Glossopharyngeal Neuralgia—Dr. S. R. Rege, Dr. M. V. Ingle, and Dr. B. M. Borkar.
4. Total Tympano-ossicular homograft—Dr. P. P. Karnik.
5. Clinical aspects of Glomus jugllare—Dr. M. V. Ingle., Dr. S. R. Rege.
6. Conductive Deafness? Otosclerosis—Dr. M. V. Kirtane.

(5) Department of Psychiatry —

1. A double blind study of Pimozide versus chlordiazopoxide in anxiety neurosis.—Doongaji D. R., Sheth A. S., Ramesh S. P., Jeste D. V. and Ravindranath P. *Acta Psychiatrica Belg.* 632-643 1976.
2. Psychosomatic Disorders.—Doonagji D. R. *Ind. Practitioner*, 29.1. Jan. 76 17-23.
3. A preliminary study of Etafenoxin.—Doongaji D. R., Sheth A. S., Apte J. S., Bharucha M. P. E., Ramesh S. P. Padamsi K. M. & Vahia V. N. *J. of Postgraduate Medicine* 22 (1), 37-43. 1976.

Accepted for publication :—

1. Pimozide versus chlordiazopoxide in anxiety neurosis-II. Doongaji, D. R., Sheth A. S. et. al.
2. Chapter on 'Electro. convulsive therapy' for an Indian Text Book in Psychiatry, Govt. of India Publication-Doongaji D. R.
3. Chapter on "Dementia", for Indian Text Book of Neurology Neurological Society of India Publication—Doongaji D. R.
4. Chapter on Yoga "A Psychosomatic Approach to Medical Practice"—Vehia N. S. Doongaji D. R. Ed. Wittkower, E. D. Harper S Rowe, U. S. A.
5. Chapter on "Yoga" in Indian Text Book of Psychiatry. Vahia N. S., Doongaji D. R. Indian Psychiatric Society Publication.
6. The prevalence of Manic Depressive Psychosis and the presence of the Lithium Ion.—I-Hypothesis. Doongaji D. R. Bharucha M. P. E.
7. Tardive Dyskinesia—Treatment with Penfluridol, Doongaji D. R.
8. The prevalence of Manic Depressive Psychosis and the presence of the Lithium Ion—II-Studies on Body fluids and Common Food Staff—Doongaji D. R. and Bharucha M. P. E.
9. Clobazam Versus Chlordiazepoxide—Doongaji D. R., Sheth A. S., Apte J. S., Khare C. B., Lakdawalla P. D. and Thatte S. S.

1. Unemployment and attempted suicide—Bagadia V. N., Ghadiali H. N., Mankodi Rashmi, Saraf K. P., Shah L. P., Indian J. Psychiat. (1976) 18, 131-139.
2. Habitual use of Cannabis indica in psychiatric patients—A deep study of 20 cases. Bagadia V. N., Copalani Jethi, Pradhan P. V., Shah L. P.—Indian J. Psychiat. (1976) 18, 141-146.
3. Significance of paternal and maternal loss in mental illnesses. Bagadia V. N., Pradhan P. V., Shah L. P., Indian J. Psychiat. (1976) 18, 59-65.
4. Suicidal attempt or Accident.—Bagadia V. N., Mankodi R., Saraf K. P. and Shah L. P. Indian J. Med. Sc. (1976) 30, 51-54.
5. A comparative double blind trial of pimozide and trifluoperazine in maintenance treatment of schizophrenia. Bagadia V. N., Bhat Radha, Ghadiali Hema, Pradhan P. V. and Shah L. P. Indian J. Psychiat. 18, 199-230 1976.

Accepted for Publication:—

1. Art of psychopharmacotherapy—Shah L. P., Gada M. T., Pradhan P. V., Bagadia V. N. Read at Boston in Dec. 1976 at WHO/NIMH workshop on psychopharmacotherapy., Accepted for publication in Psychopharmacology Bulletin—July 1977.
2. Habitual Use of Cannabis Indica in Psychiatric patients—Deep study of 20 cases. (Accepted for publication in Indian Journal of Psychiatry).
3. A retrospective study of 300 children suffering from psychiatric Problems. (Accepted for publication in Indian Journal of Psychiatry)

(6) Andrology Department:—

1. Study of the effects of speman on semen quality in oligospermic men. Ind. J. Surg. 38 : 34, 1976.
2. Effect of an indigenous drug (Speman) on human accessory reproductive function. Ind. J. Surg. 38 : 12, 1978.
3. Effect of an indigenous drug. (Speman) on accessory reproductive function of Mice. Ind. Jour. Exp. Biol. 14 : 170, 1976.
4. Stimulation of ornithine decarboxylase activity in seminal plasma by testosterone. Ind. J. Biochem. Biophys. 13 : 186, 1976.
5. Some gross observations of the Epididymides following vasectomy. A clinical study. Fertility and Sterility, 27 : 267, 1976.

(7) Molecular Biology Cell:—

Smt. Leela Joshi, Assistant Professor presented one paper at the International Conference on Cybernetics held in Belgium in September 1976, and three papers at the Second International Symposium on "Automation in Microbiology" held at Cambridge (U. K.) in September 1976. In addition to this the department presented three papers at A. M. I. Conference at Manipal in December 1976.

APPENDIX VIII.

SEMINARS' CONFERENCES' ASSOCIATIONS AND PAPERS READ

(1) Department of Pharmacology.

(i) Prof. Director U. K. Sheth—

1. Attended S. E. P. . L. Conference on Rheumatic diseases held in Singapore, Feb. 1976.
 2. Attended the W. H. O./C. C. C. R. Directors' meeting in Geneva, Switzerland and visited Brussels and London, 31st May to 2nd June 1976.
 3. Attended IV Deer Lodge conference of Clinical Pharmacology, University of Montana, U. S. A. and gave seminars at University of Chicago and Rochester (N. Y.) and visited Detroit and New York. Attended a meeting of Clinical Pharmacology Committee of International Union of Pharmacology at Montana University, U. S. A., September 1976.
 4. Attended the Symposium on Biogenic Amines, Jaipur, November 1976.
 5. Attended the IX Annual Conference of the Indian Pharmacological Society, 1976 at Varanasi, December 1976.
 6. Appointed Member Drug Technical Advisory Board Ministry of Health Govt. of India New Delhi, 1976-79.
- Was invited to Jakarta, Indonesia to present a paper at the Jakarta University on "Clinical Pharmacology of Antibiotics" December, 1976 at an national conference on "Antibiotics".

8 Continued as councillor member of Clinical Pharmacology committee of I. U. P. M. A. R., W. H. O. committee on "Evaluation of Drugs", member Pharmaceutical and Drug Research and, Pesticide committee of C. S. I. R., New Delhi., December 1976.

(ii) Prof. S. M. Karandikar:—

1. Attended the Second Maharashtra Pharmacologist Conference at Aurangabad, July 1976.

(iii) Dr. S. R. Amladi:—

1. Attended the Second Maharashtra Pharmacologists' conference, Aurangabad, 1976.
2. Attended the IX Annual Conference of the Indian Pharmacological Society, December 1976, at Varanasi.
3. Elected a member of the Executive Committee of the Bombay Natural History Society. Dr. Amladi is also Chairman, Nature Education Scheme, of the same Society., for the year 1976, and continuation from 1975.

(iv) Dr. (Mrs.) K. C. Gupta:—

1. Attended the IX Annual Conference of the Indian Pharmacological Society, December 1976, Varanasi.

(v) Papers presented at 2nd Maharashtra Pharmacology Conference, Aurangabad, during July 1976.

1. Influence of hypoproteinemia on furosemide Pharmacokinetics. Sharadini Dahanukar, K. K. Vora, A. K. Gandhi, B. P. Shah, S. M. Karandikar, Vidya Acharya and U. K. Sheth.
2. Altered distribution of copper and Manganese in rats with trifluoperazine and Dexamethasone. Sharadini Dahanukar, S. M. Karandikar and U. K. Sheth.
3. Influence of non-steroidal anti-inflammatory agents on effect of Warfarin Sodium in rats, Sushma Manikari, V. N. Dadkar and U. K. Sheth.
4. Effects of various diuretics alone and in combination on urinary excretion on electrolytes in rats. B. D. Samant, M. R. Kelkar, V. N. Dadkar and U. K. Sheth.
5. Studies on the mechanism of hyperglycemic effect of metolozone in rats. S. P. Valame, S. R. Naik and U. K. Sheth.

Paper-presented at Catecholamine Symposium. Jaipur, during November 1976.

1. Changes in levels of blood and tissue biogenic amines in experimental endotoxin shock in cats. Mrs. V. N. Dadkar, P. M. Naik and U. K. Sheth.

Paper-presented at 14th Annual Conference of I. D. M. A. November 1976.

1. Innovation in drug dosage delivery system. U. K. Sheth.

(vi) Papers presented at IXth Annual Conference of IPS at Varanasi, December 1976.

1. Modification of Beta-phenylethylamine-induced stereotyped behaviour by six steroids, S. R. Naik, M. R. Kelkar and U. K. Sheth.
2. Possible involvement of 5-hydroxytryptamine and cyclic-AMP in tolerance to tremorine analgesia in mice. S. R. Naik, S. R. Amladi and U. K. Sheth.
3. Involvement of gamma-aminobutyric acid (GABA) in the anti-convulsant action of methaqualone. S. R. Naik, P. R. Naik and U. K. Sheth.
4. Reversal of digoxin induced cardiac arrhythmias by nickel chloride. C. M. Prasad, K. G. Naik and U. K. Sheth.
5. Molecular effects of some nonsteroidal anti-inflammatory drugs. S. P. Valame, P. M. Naik, S. R. Naik and U. K. Sheth.
6. Influence of various nonsteroidal anti-inflammatory agents on platelet aggregation and their interaction with warfarin sodium. V. N. Dadkar, S. Manikeri and U. K. Sheth.
7. Hypoglycemic effect of manganese chloride. K. Mogre, P. R. Naik, S. R. Naik, S. M. Kendurkar and U. K. Sheth.
8. Role of B-adrenergic mechanism in diuretic and antidiuretic action of some agents in rats. B. D. Samant, V. N. Dadkar and U. K. Sheth.
9. Diuretic effect of Furosemide-Metolazone combination in anaesthetised dogs. C. N. Raghv, A. B. Kshirsagar and U. K. Sheth.
10. Antibiotic drug surveillance. K. Gupta, T. Paul, G. B. Parulkar, A. B. Samsi, S. B. Sanghvi, U. K. Sheth.

11. Effect of chloramphenicol and clotrimoxazole on ADP induced platelet aggregation and some other parameters. S. Manikeri, V. N. Dadkar, C. N. Raghu and U. K. Sheth.

12. Biochemical changes during endotoxin shock in rats. P. M. Naik, S. R. Naik, and U. K. Sheth.

13. A simple model to study the effects of broncho constrictors and dilatory and to estimate the mediators of allergy. Sunanda S. Nayampalli, A. N. Jhah and U. K. Sheth.

14. Altered drug metabolic pathways in rats during chronic treatment with oral contraceptives. K. K. Vora, S. R. Naik and U. K. Sheth.

(2) Department of Physiology.

1. Dr. R. J. Minina delivered lecture on "Mechanics of respiration" on 23-2-1976.

2. Dr. I. S. Paintal delivered lecture on 'Cell transport' systems on 29-3-1976.

3. Dr. J. B. Dharani delivered lecture on "ECG" on 26-4-1976.

4. Dr. L. K. Ramohandani was the Chairman for all the Seminars. Staff members of the department actively participated in the discussion after the lectures.

5. Dr. (Mrs.) S. M. Kendurkar's paper on 'Hypoglycemic effect of Manganese Chloride was read in Pharmacology Conference held at Varanasi in December 1976.

(3) Department of Gynaecology.

1. Assessment of Foetal Maturity—A Review and over Preliminary study

Dr. V. R. Munsh,

Dr. K. R. Juvele

Dr. Usha Krishna,

Dr. V. N. Purandare.

2. Paper presented in the Bombay Hematology Conference Spectrophotometric Study of Amniotic fluid in Rh sensitised pregnancies, as a guide for the Prognosis of H. D. N. B.

Mrs. S. V. Ramanan,

Dr. Usha Krishna,

Dr. V. N. Purandare

3. Secondary Amenorrhoea—Presented at Wednesday C. P. S Seminar.

(4) K. E. M. Hospital and Seth G. S. Medical College Staff Society.

1. Malabsorption in Cirrhosis of the Liver—A study of 20 cases by Drs. R. V. Patwardhan, J. M. Mehta, B. D. Pimparkar & U. K. Sheth.

2. Acute Barbiturate Intoxication—A study of 170 cases, Drs. B. P. Shah, V. N. Acharya Mr. C. Lobo, & H. P. Tendulkar.

3. Cephalic Tetanus—A Paradox Resolved—Drs. F. D. Dastur, F. N. Kohiyar, D. H. Dastur, E. P. Bharucha, V. P. Mendkar, M. Shahani, G. H. Kashyap, & K. G. Nair.

4. A film show—New Concepts in the Control of Urinary-Infections By courtesy—Messrs. Burroughs Wellcome & Co. (India) P. Ltd.

5. A symposium on Urinary Tract Infections—Participants: Drs. D. K. Karanjawalla, D. S. Pardani, V. N. Acharya, V. N. Purandare, S. M. Sant, L. P. Deodhar, S. S. Deshmukh.

6. Availability of Iron from Cereal Base Diet. Drs. B. C. Mehta, S. G. Gandhi R. J. Hukku, P. D. Bhatt (A Fare-well function for Dr. V. S. Sheth).

7. Juvenile Nasopharyngeal Angiofibroma—Its extensions & their Management Drs. P. P. Karnik & M. V. Kirtane.

8. Hip Muscles in Search of a Meaning. Drs. M. L. Kothari, S. M. Bhatnagar, Lopa Mehta & K. D. Desai. (A Fare-well function for Dr. K. D. Desai).

9. Evaluation of the prednisolone primed glucose tolerance test in the detection of latent diabetes—Ers. M. D. Shah K. Bhandare, V. S. Kulkarni.

Guest Lectures:—

1. Dr. Martin Morad, Deptt. of Physiology, University of Pennsylvania—"Cellular Mechanisms of Digoxin Action".

2. Dr. M. T. Parkar, W. H. O. Short-Term Consultant "Hospital Acquired Infections—Surveillance, & Prevention.

3. Prof. James Lister, Prof. of Paed. Surgery, University of Liverpool Evolution & Development of Paed. Surgery".

4. Dr. J. Rotta from Prague—Epidemiology & Pathogenesis of Rheumatic Fever".

5. Prof. C. T. Dollery, Prof. of Clinical Pharmacology Royal P. G. Med. School, London—
"Centrally acting alpha-Adrenoceptor agonists in the control of blood pressure".
6. Dr. C. A. Wagenvoort, Prof. of Pathology, Amsterdam "Pathology of Pulmonary Hypertension".
7. Prof. Wavenvoort "Clinical and Pathological Aspects of Pulmonary Hypertension".
8. Prof. Dean T. Mason, Chief of Cardiovascular Medicine, School of Medicine, University of California "Echo Cardiography".
9. Dr. E. Mascarenhas, Asstt. Prof. of Cardiology, University of Miami School of Medicine U. S. A. "Recent Advances in Cardiac Pacing".
10. Dr. S. V. Apte, Dy. Director General, I. C. M. R. "Epidemiology and Prevention of Iron Deficiency Anaemia".
11. Dr. V. I. Mathan, Prof. of Medicine, Chief Gastroenterology, Toronto General Hospital Toronto—(a) Discussion on various aspects of Cardiac Pathology etc. (b) Lecture; "Pathology of Coronary By pass vein Grafts."
12. Prof. Walpole Lawing, Eminent British Neurosurgeon "Subarachnoid Haemorrhage and Intracranial Aneurysms."

DEPARTMENT OF E. N. T.

- (1) Cadaveric Tympano Ossicular Homograft.
 - (2) Dissection Studies for middle cranial fossa approach and translabyrinthine approach.
- (6) Department of Psychiatry
- (1) Members of the department attended the 28th Annual Conference Indian Psychiatric Society Nagpur 1976. 7th Annual Conference Indian Psychiatric Society West Zone Jalgaon 1976.
 - (2) Dr. L. P. Shah attended the WHO/NIMH Workshop on Psycho-pharmacotherapy at Boston, USA, 1976 deputed by the W. H. O. Collaborating Centre in Psychopharmacology, Department of Psychiatry, K. E. M. Hospital, Bombay.
- (7) Department of Paediatrics:
- Special Events: (1) Dr. Vidyasagar, Prof. of Neonatology, University of Illionis gave a talk on "Respiratory Distress syndrome".
- (2) Dr. Harry-Blockdelivered an interesting talk on 'History of Padiatric Medicine.
- (3) UNICEF WHO senior teacher training programme was held. All the three units participated in presentation and discussion.
- (a) Seminar on Neonatal mortality.
 - (b) Presentation of a long case—1
 - (c) Presentation of two shert cases—2
- Presentation was done entirely by the undergraduate students.

(8) HEMATOLOGY DEPARTMENT

- (1) Dr. B. C. Mehta, Hon. Hematologist attended the Ninth Congress of the International Society of Hematology at Kyoto, Japan and read a pepar on Avilability of iron from a cereal based diel.
- (2) D-partment arranged two clinical meetings of the Bombay Hematology Group, where interesting cases were presented. Department participated in the training programme of the Blood Bank Officers organized by B. G. R. C. of I. C. M. R. Department organized lectures for the post-graduate students.

APPENDIX IX

PROJECTS' INVESTIGATIONS AND TESTS

(1) DEPARTMENT OF PHARMACOLOGY:

Liver Function Tests:	Number of Samples screened
(1) Serum glutamic oxaloacetic Transaminase ...	1,118
(2) Serum glutamic pyruvic Transaminase ...	1,118
(3) Serum Bilirubin (Total) ...	1,118
(4) Serum Bilirubin (Direct) ...	1,118
(5) Serum Alkaline Phosphatase ...	1,118
(6) Serum Psenctocholine.terase ...	1,182
(7) Serum Proteins (Total) ...	999
(8) Serum Proteins Electrophoretic Pattern ...	964
(9) B. S. P. dye clearance ...	8

Renal Function Tests :

(1) Serum Electrolytes	...	...	...	...	837
(2) Urine Electrolytes	...	...	...	...	3,817
(3) Blood Urea	...	...	...	...	993
(4) Plasma Creatinine	...	...	...	...	719
(5) Uric Acid	...	...	...	...	705
(6) P-Aminohuppuric Acid	...	...	...	...	12
(7) Inulin	..	..	..	..	8

Miscellaneous Tests :

(1) Blood Sugar	..	..	...	...	1,346
(2) Serum cholesterol	...	...	..	..	528
(3) R. A. Tests	..	..	..	...	31
(4) Serum Magnesium	...	...	...	...	12
(5) Adenosine triphosphate	...	...	...	...	...
(6) Serum Lithium	...	...	...	...	16

Lipid Tests:

(1) Free fatty acids	...	...	...	...	95
(2) Total lipids	...	..	..	..	474
(3) Lipoproteins	..	..	...	...	423
(4) Free Cholesterol	...	...	...	...	354
(5) Triglycerids	...	...	...	...	480
(6) Esterified Cholesterol	...	...	...	...	354
(7) Total Cholesterol	...	...	...	...	363

Blood Coagulation Factors:

(1) Prothrombin Time	...	...	...	...	254
(2) Partial Thromboplastin Time	...	...	...	...	227
(3) Platelet Count	...	...	...	...	254
(4) Platelet Aggregation	...	...	...	...	213
(5) Thrombin Time	..	..	..	..	227
(6) Plasma Fibrinogen	..	..	..	..	227
(7) Platelet Adhesiveness	..	..	..	..	70
(8) Euglobulin clot lysistime	...	...	...	...	227

Haematological Techniques:

(1) Complete Haemogram	...	..	..	...	1,484
(2) E. S. R.	...	...	...	...	1,369
(3) Platelets	...	...	...	...	891
(4) Total eosinophil count	..	..	..	..	447
(5) Malarial Parasite	..	..	..	..	2
(6) Bleeding Time	..	..	..	..	19
(7) Clotting Time	...	...	...	...	19
(8) L. E. Cells	...	...	...	...	2
(9) Puncture fluids	..	..	..	..	1
(10) Urine cell Excretion	...	...	...	...	0
(11) Retic Count	..	..	..	..	4
(12) Stool Samples	..	..	..	..	1,225
(13) Signoidoscopy	..	..	..	..	49
(14) Urine Samples	...	...	...	...	1,406

Drug Levels Studies :

(1) Plasma levels of Isoniazide	..	..	..	..	81
(2) Plasma levels of lasix	..	...	...	...	386
(3) Mandelamine	...	...	...	..	48
(4) Dialantine levels in serum	..	..	..	..	82
(5) Antipyrine levels in Serum	..	..	...	...	144

New Techniques set up:

(1) Glutathione levels in serum	...	...	...	...	...
(2) Succinic dehydrogenase in Serum	...	...	...	..	..
(3) Dialantine levels in Serum	..	..	..	..	..
(4) Serum Lithium levels	..	..	..	..	..
(1) Formaldchye Estimation	..	...	...	...	Samples 64
(2) Plasma Salicylate	..	..	..	..	120
(3) Urine Salicylate	..	..	...	...	120
(4) Plasma Phenylbutazone	...	...	...	...	150

Bacteriology Section:

	Samples
(1) Urine cultures done	443
(2) Urine colony count...	329
(3) Sputum cultures	4
(4) Swab cultures	2
(5) Cultures tested for Antibiotic Sensitivity	209
(6) Acid-fast staining done	20
(7) Samples assayed for chloramphenicol blood levels	110

Trimethoprim and Nitrofurantoin combination study was done with 182 pathogenic cultures isolated from 165 cases of urinary tract infection.

(2) DEPARTMENT OF PAEDIATRICS:**(i) Projects under Study · Dr. N. B. Kumta:**

- (1) Study of L. D. H. isoenzyme in Pediatric patients by cellulose acetate electrophoresis
- (2) IgM antibodies in the new born-Radial immunodiffusion technique.
- (3) Study of Hb pattern in Thalassemia by Polyacrylamide disc electrophoresis and cellulose acetate.
- (4) Lactose malabsorption in malnutrition infection, G. I. and respiratory-continued.
- (5) Study of glucose, bilirubin, calcium and magnesium levels in newborns, breast fed and top fed.
- (6) Perinatal Morbidity and Mortality.
- (7) Premature Babies Etiological cause.

(ii) Dr. P. W. Kandoth:

- (1) N. B. T. Test (Nitroblue tetrazolium)
- (2) Rheumatic fever-continued.
- (3) Nephrotic syndrome-continued.
- (4) Hydrocephalus in children.
- (5) Salicylate levels in Rheumatic fever.
- (6) Epilepsy in children.

(iii) Dr. M. D. Shah:

- (1) Evolution of different therap. regimens in pyog. meningitis.
- (2) Study of biochemical parameters in C. S. F. in viral T. B. and Pyog. meningitis.
- (3) Clinical study of juvenile diab. with long term follow up.
- (4) Dermatoglyphics in cong. syndromes.
- (5) Jejunal biopsy in malnourished children.

(iv) Project completed: Dr. N. B. Kumta:

- (1) Lactose malabsorption in malnutrition and infections—Gastrointestinal and respiratory.
- (2) Proteinuria in Nephrotic syndrome—80 cases studied follow up continued.
- (3) Galactosemia—Gal/1 phosphate uridyl transferase levels in normal and 2 affected.

(v) Dr. P. W. Kandoth:

- (1) Neonatal jaundice.
- (2) Study of Rheumatic fever with 8 yrs. follow up.
- (3) Nephrotic syndrome—8 yr. follow up completed.

(vi) Dr. M. D. Shah:

- (1) Evaluation of urban child welfare centre in delivering the health care.
- (2) Family study of juvenile diabetics and evaluation of prednisolone primed G. T. T. in detection of latent diabetes.

(3) DEPARTMENT OF GYNAECOLOGY:**Dr. N. A. Purandare Research Centre:****BIOCHEMICAL STUDIES:**

Fibrinogen estimation	166
Blood Loss Study	40
G. T. C.	598
Blood Sugar	2,613
Serum & Urine Creatinine	665
Serum Protein	197
L. F. T.	214
B. U. N.	1,674

HORMONE ESTIMATIONS :

17 Ketosteroids	...	115
Oestrogens in BOH, Deab., PPG., Tox etc. cases	...	531
Prenandiol in Ammenorrhoea	}	182
Sec. Ammenorrhoea		
Clomid trial		
Oestrogens in above cases	...	250

SEROLOGY :

Blood Group, Rh in antenatal, H. R. P. Ward cases	...	6,907
Rh cases confirmed Negative	...	230
Iso-immunised cases	...	19
Antibody studies	...	1,248
Cord Blood, Neonatal Jaundice cases for Bl. Group, Rh, D.C.T.	...	342
HB, Serum Bilirubin	...	20
Amniotic Fluid studies	...	23
Acidosis case studies	...	318
Fetomaternal Hemorrhage studies WHO/CRC	...	55
RhO Gr.m Cases	...	145
Pregnancy Test	...	6,813
V. D. R. L. Tests	...	142
Postive in	...	33
Cord Blood study	...	35
Hcmograms	...	5,980
Hb estimations	...	

Medical Termination of Pregnancy Section :

Total M. T. Ps.	...	1,581
First trimester	...	1,071
Second trimester	...	510
Menstrual regulation studies	...	556
Out-patient suction evacuation of 1st trimester M. T. P.	...	515
Comparative study of plastic v/s metal cannula for suction curettage as an out-patient procedure	...	400

Midtrimester Termination of Pregnancy :

Extracranial injection of Uncredil for midtrimester abortion	...	157
Extracranial injection of Hypertonic saline	...	174
Intracranial injection of 5% saline (vaginal route)	...	28

Prostaglandins :

Intracranial PGF2 50 mg v/s 15 methyl PGF2 2.5 mg.	...	6
Vaginal 15 methyl PGF2 methyl Preoperative cervical dilation	...	214

Blood loss study in Midtrimester M. T. P. :

Alkaline hematin technique	...	62
Study of Blood group and Rh factor in Midtrimester M. T. P. Rh—ve.	...	105
Fetomaternal hemorrhage in M. T. P. cases	...	300
Plasma progesterone changes in midtrimester M. T. P. by various methods	...	28
Psychosocial aspect in M. T. P. in unmarried girls	...	600
Antenatal sex determination by amniotic fluid cell study	...	75
Cancer cytology in M. T. P. cases	...	400

Endocrine O. P. D. :

New cases	60	Vaginal Smears	1,500
Old Patient visits	2,500	Cervical Mucous Study	1,200
Primary Amenorrhoea	70	Endometria Biopsy	180
Secondary Amenorrhoea	205	Progesterone Test	165
Oligomenorrhoea	20	Oestrogen Test	60
Hypomenorrhoea	41	Buccal Smears	150
Polymenorrhoea, Menorrhagia	17	Semen Examination	63
Irregular Menses	124	17 Ketosteroids	136
Hirsutism	11	Urinary Oestrogen Assays	156
Urinary Pregnanediol Assays	156		
Induction of Ovulation	24		

(i) Family Planning Unit (Oral Contraceptive Centre) :

New patients	...	520
Patients continuing at the end of the year	...	655
Patients closed during the year	...	431
Cytology taken	...	258 (New)
		521 (All)

(ii) CuT

New patients	..	..	..	..	..	454
Patients continuing at the end of the year	..	..	..	..	..	515
Patients closed during the year	..	..	..	..	..	188
Cytology taken	..	..	..	..	..	215 (New)
						504 (in all)

(iii) Cuy

New patients	...	...	...	...	...	110
Patients continuing at the end of the year	...	...	...	...	...	87
Patients closed during the year	...	...	...	...	...	23
Cytology taken	...	...	...	...	...	77 (in all).

(i) Netagen

New patients	...	...	...	..	..	109
Patients continuing at the end of the year	..	..	..	..	..	91
Patients closed during the year	..	..	..	..	..	50 (closed 21 (trial is over).
Cytology taken	..	..	..	..	..	118 (in all).
Metabolic studies	..	..	..	..	..	15 (New).
E. B.'s taken	..	..	..	..	..	3

(v) Implant

New patients	...	...	..	..	..	91
Patients continuing at the end of the year	..	..	..	..	..	102
Patients closed during the year	..	..	..	..	..	68
Cytology taken	..	..	..	..	..	271 (in all).

Post-Partum Programme

No. of Vasectomy	..	..	..	..	..	255
No. of Tubectomy	..	..	..	..	..	2,732
No. of I. U. C. D.	..	..	..	..	..	554
No. of M. T. P.	..	..	..	..	..	2,230

Social Obstetrics

	Ambe Wadi Disp.		R. J. Dispensary		Victoria Mat. Hosp.
	ANC	PNC	ANC	PNC	
Total No. of Patients	1,333	934	1,181	271	5,946

CYTOPATHOLOGY DEPARTMENT**Cytology,—**

Gynaec O. P. D.	..	..	..	..	..	12,051
Antental	..	..	..	..	..	3,248
Family Planning Deptt.	..	..	..	..	..	1,440
Miscellaneous	..	..	..	..	..	261
Total	..	..	..	..	..	17,000
Fluid Cytology	..	..	..	..	..	133
Aspiration of tumour	..	..	..	..	..	93
Endometrial aspiration	..	..	..	..	..	12
Sputum Gytology	..	..	..	..	..	6

Abnormal Gytology:—

Mild Dysplasia	..	..	..	..	..	15
Moderate Dysplasia	..	..	..	..	..	11
Severe Dysplasia	..	..	..	..	..	9
Suspicious	..	..	..	..	..	7
C. I. S.	..	..	..	..	..	27
Invasive Carcinoma	..	..	..	..	..	105
Adema Carcinoma	..	..	..	..	..	2

Histology:—

Cervical Punch biopsies	..	..	..	..	..	127
Cervical Polyps	..	..	..	..	..	11
Vaginal Biopsies	..	..	..	..	..	11
Cole Biopsies	..	..	..	..	..	22
Hysterectomies	..	..	..	..	..	59
Ovarian Tumour	..	..	..	..	..	52
Ovarian Biopsies	..	..	..	..	..	144

Em Biopsies Reported	976
Em Biopsies Only processed	205
To mass	12
Vesicular Mole	7
Miscellaneous	110
Follow up	90%
Correlation between cytology and histology	90%

Microbiology:—

Urine Routine & Cultures	200
Vaginal and Cervical cultures	-2,703
Trichomonas	172
Monilia	420
Haemolytic organisms	381
Anaerobic Culture	61
Semen Examination	818
Blood Culture	47

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. Mrs Anasuya Rao Miss V. M, Naik.
3. Correlative study of fluid cytology by different staining methods. Dr. Anasuya Rao, Miss V. M. Naik.

Molecular Biology Cell:—

The following projects are carried out in the department j—

- (1) Combination of antitubercular drugs and genetic studies in mycobacteria.
- (2) Bacterial and mycotic infection in open heart surgery.
- (3) Isolation of Salmonella organisms from processed frozen frog legs before export and their relation to human infection.
- (4) Phage-typing of Salmonella paratyphi A and bacteriocin production study in Salmonella
- (5) Bacteriology of urinary tract infection in diabetic patients.
- (6) Diagnostic value of tissue culture in diagnosis of endometrial lesions.
- (6) Genetic studies on Salmonella paratyphi A.
- (8) Infections in patients suffering from leukemia (blood cancer):
- (9) Effects of urea, proteins and PH on growth of organisms isolated from patients with urinary tract infection.
- (10) Study of drug resistant strains isolated from patients with urinary tract infection.
- (11) Study of immunological response in patients with Group A Streptococcal infection.
- (12) Preparation of Streptolysin O and Group A Streptococcal sera.

APPENDIX X.

CLASSIFIED LIST OF OPERATIONS PERFORMED IN THE CARDIO-VASCULAR AND THORACIC SURGERY THEATRE DURING THE YEAR 1976.

<i>Open Heart Operations :—</i>	
Mitral Valve Replacements (Presthetic valves) ...	33
Mitral Valve Replacement with Closure of ASD ...	1
Aortic Valve Replacements (Prosthetic Valves) ...	29
Aortic Valve Replacements (Prosthetic) with Mitral Valvotomy ...	10
Aortic Valve Replacement with Coronary Artery Bypass ...	1
Mitral Valve (Homograft) Replacement with Closure of A. S. D. ...	2
Tricuspid Valve Replacement (Homograft) with mitral commissurotomy ...	1
Aortic Valve & Mitral Valve (Both Homografts) Replacement ...	1
Mitral Commissurotomy (Open) ...	3
Aortic Valvotomy (Open) ...	3
Aortic S Mitral Valvotomy (Open) ...	1
Pulmonary Valvotomy ...	5
Closure of A. S. D. ...	53
Closure of A. S. D. with Pulmonary Valvotomy ...	4
Closure of V. S. D. ...	9
Closure of A. S. D., V. S. D., & Mitral Valve (Prosthetic) Replacement ...	1
Foutan's Operation ...	1
Excision of Myxoma ...	1
Excision of Ventricular Aneurysm with Coronary Artery Bypass ...	2
Total Open Heart Operations ...	246
Mitral Commissurotomy ...	369
Division of Patent Ductus ...	32
Repair of Co-arcuation of Aorta ...	13
Implantation of Cardiac Pace-Maker ...	6
Aorta-Femoral Bypass ...	17
Resection of Aneurysms (without Bypass) ...	6
Renal Transplants ...	1
Embolectomy ...	36
Other Vascular Operations ...	19
Thymectomy ...	2
Excision of Mediastinal Tumours ...	2
Pericardiectomy ...	9
Excision of Mediastinal Tumours ...	2
Pericardiectomy ...	9
Excision of Intratracheal Rhinosporidiosis ...	1
Excision Lung Cysts ...	2
Decortication of Lung ...	2
Lung Biopsy ...	9
Repair of Diaphragm ...	1
Thoracoplasty ...	1
Repair of Pectus Excavatum ...	2
Repair of Tracheal Stenosis ...	1
Exploratory Thoractomy ...	7
Re-exploration of Chest ...	16
Cervico Dorsal Sympathectomy ...	3
Cysto-jejunostomy with Jejunostomy ...	1
Nephrectomy ...	1
Exploratory Laparotomy ...	2
Intercostal Drainage ...	6
Pleural Tapping ...	4
Amputations ...	1
Other Miscellaneous Operations ...	7

1,017

APPENDIX NO. XI.

Performance Targets and achievement for the year 1976-77.

Sr. No.	Activity	Target of 1976-77	Achievement for the year 1976-77.		Total	Remarks
			Out-door	In-door		
01	Medicine Department	91,600	75,075	15,600	90,675	
02	Surgical Department	1,07,200	94,273	10,770	1,05,043	
03	Obst. & Gynace Deptt.	39,000	25,575	12,112	37,687	
04	Paediatric Deptt.	51,200	43,540	7,432	50,972	
05	Premature Baby Ward		71		71	
06	Radiology Deptt.	1,10,000	1,08,114		1,08,114	
07	Pathology & Bactriology	2,89,500	97,657		1,97,657	This figure exceed the investigation-done in OPD Lab.
08	Casualty Deptt.	27,500	30,602		30,602	
09	Orthopaedic Centre	27,500	32,339	4,871	37,210	
10	F. N. T. Deptt.	27,500	25,761	1,589	27,350	
11	Ophthalmology Deptt.	28,900	25,487	1,686	27,173	
12	Skin & Venerology Deptt.	59,800	57,373	456	57,829	
13	Blood Bank		7,796	830	8,626	
14	Gastro Enterology	400	267	64	331	
15	Neurology	2,600	1,900	503	2,403	
16	Urology Deptt.	1,100	791	427	1,218	
17	Speech Deptt.		410		410	
18	Audiology Deptt.					
19	Psychology Deptt.	7,500	7,931	1,073	9,004	
20	Biochemistry Deptt. (Investigation)		1,37,745		1,37,745	
21	Pharmacy Deptt.		2,203		2,203	
22	Intensive Care Unit		825		825	
23	Occupational & Physio-Therapy centre (School)		2,14,804		2,14,804	
24	Immunization Centre					
25	Mobile Health Unit					
26	Dental Clinic	19,800	19,162		19,162	
27	Observation of T. B. cases					
28	Neuro Surgery Deptt.	1,400	745	556	1,301	
29	Plastic Surgery	1,200	596	627	1,223	
30	Cardiology Deptt.	3,100	3,423	459	3,882	
31	Asthama Clinic	600	51	592	643	
32	Diabetic Clinic	1,700	1,743	193	1,936	
33	Haematology Deptt.	100	17	111	128	
34	Endocrinology Deptt.	800	651	35	686	
35	Artificial Kidney Deptt.		1,196		1,196	
36	Dispensary Service		3,228		3,228	
37	Apilepsy Deptt.	1,200	1,257		1,257	
38	Chest Clinic	1,500	1,951		1,951	
39	Arthritis clinic	300	413		413	
40	Vascular Clinic	80	19		19	
41	Sports clinic	500	477		477	
42	Thoracic Sure Deptt.	1,680	1,656	682	2,338	
43	Evening Dispensary for Municipal Staff.	100	21		21	

Bai Yamunabai L. Nair Charitable Hospital & Topiwala National Medical College

HIGH-LIGHTS :**HOSPITAL—**

	Rs.
1. Total Expenditure including Liabilities	2,30,67,857
2. Donations received	92,112
3. Amount collected from the boxes	26,747
4. Amount spent from the Fund for the poor patients	64,203

INDOOR PATIENTS.

Beds 782	43,522
Daily average number of patients	1,013
Highest number of In-patients on a single day	1,148
Highest number of admissions on a single day	202
Number of patients discharged during the year, including 88 brought from the previous year	41,289
Cured	17,621
Otherwise	23,668

DEATHS.

Within 24 hours of admission	637
After 24 hours but within 72 hours of admission	230
Exceeding 3 days	1,099
Total	1,966

OPERATIONS.

Indoor Patients	13,339
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AUTOPSIES.

Post-mortem done	1,237
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DELIVERIES.

(i) Confinements	3,030
(ii) Deliveries	2,634
(iii) Maternal deaths	12
(iv) Medical termination of pregnancy	1,123
(v) Sterilization (Female)	958
(vi) Sterilization (Male)	238
(vii) Baby deaths	325
(viii) Baby still-births	107

Average cost per in-patient	4,136
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Average cost per out-patient	566
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OUT-PATIENT DEPARTMENT.

(i) O. P. D. Attendance	7,28,992
(ii) Daily average O. P. D. new attendances	1,989
(iii) Casualty Attendance	21,332
(iv) Daily O. P. D. Attendance (Old & New)	2,373
(v) Highest No. of Attendance on a single day	2,988

COURT CASES ATTENDED BY R. M. O'S.

1. Presidency Magistrate's Court	164
2. Sessions Court	41
3. Motor Accident Tribunal	44

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.S. (Med.) and Dr. K. K. Gulati, B.Sc. (Hons), M.B.B.S., D.A. C.P.S., D.A., C.I.H., D.P.H., F.R.I.P.H.H. (Lond.) held the posts of Dean and Asst. Dean respectively during the year.

Dr. (Smt.) P. G. Hiranandani, M.B.B.S. and Shri B. V. Rangnekar held the posts of Sr. Asst. Medical Officer and Ward Officer respectively during the year. Dr. (Smt.) S. S. Sangmaerkar, M.B.B.S. has been appointed as a Sr. Asst. Medical Officer from 1-9-1976.

The Hospital runs the following departments :—

- | | |
|----------------------------------|---------------------------------------|
| (1) Medical. | (2) Surgical. |
| (3) Ophthalmic. | (4) Gynaecology. |
| (5) Obstetric. | (6) Skin and V. D. |
| (7) Aural. | (8) Orthopaedic. |
| (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) Neurology. |
| (19) Neuro-Surgery. | (20) Plastic Surgery. |
| (21) Renal Surgery. | (22) Genito-Urinary Surgical Service. |
| (23) Thyroid Surgery. | (24) Anti-Rabic. |
| (25) New Born. | (26) Diabetic. |
| (27) Paediatric Surgery | (28) Haematology. |
| (29) Special Care. | (30) Thoracic. |
| (31) Hypertension Clinic. | |

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, Neurology, Cardiology which are full-fledged speciality Units. Other specialities with limited number of beds are Nephrology, Rheumatology, Haematology, Diabetes, Thyroid, Hypertension and Asthma.

2. DEPARTMENT OF SURGERY.

Department of Surgery consists of 3 full-time and 3 part-time Units.

3. DEPARTMENT OF GYNAEC AND OBSTETRIC.

Department of Gynaec and Obst. consists of 3 Units, one full-time and two units under Hon. Professor and Asst. 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 Services. | (6) Diagnostic Centre. |
| (2) Daily Out-patient Service. | (7) Child Guidance Clinic. |
| (3) Special Care O. P. D. | (8) Child Welfare Centre. |
| (4) Neonatal O. P. D. | (9) Teaching activities for under-graduate and post-graduate. |
| (5) School Clinic. | (10) Research activities. |

Indoor :—Total Admissions 5,789 O. P. D. Attendance 32,079

Neonatal Ward :—Still-births 202

Child Welfare Clinic :—Milk Distribution 150 babies Attendance by the mothers for the Home Visits daily 825 Classes 3,890

Immunizations :—

	1st	2nd	3rd	Booster.
Triple Vaccine	659	441	348	114
Polic Vaccin	728	1512	1411	112

	New Cases.	Old Cases.	Total
(a) Child Guidance Clinic	480	183	663
(b) School Health Clinic	1,614	13,321	14,935
(c) Diagnostic Centre	132	562	694

5. ANAESTHESIOLOGY.

The Department is undertaking administration of Anaesthesia and following are the cases attended to departmentwise :—

General Surgery. ...	4,578	E. N. T. ...	12,339
Gynaecology & Obst. ...	4,422	Ophthalmology ...	104
Peritoneoscopy (Stand by) ...	416	Neurosurgery ...	148
Cardiac Surgery ...	125	Orthopaedic ...	260
Radiology ...	104	Bhajakar Hospital ...	393
Plastic Surgery ...	312	E. C. T.'s ...	5,288
Ward Calls ...	300	Ventilator ...	115

Part of the Anaesthesia services at the following Hospitals is managed by this department :—

- (1) Bhagwati Hospital,
- (2) Rajawadi Hospital,
- (3) E. N. T. Hospital.

The pain clinic has been undertaking relief of vascular and intractable pain. The following cases were done :—

Stellate Block	2
Lumbar Sympathetic block	5
Intercostal block	1
Subarachnoid hypertonic saline	6

The recovery ward has a daily transit of 35 patients and 6 patients for intensive care daily.

6. DEPARTMENT OF NEUROLOGY.

The O. P. D. functions twice a week on Tuesday and Thursday :—

Case Work Load.		Special Procedure etc.	
New Cases ...	480	Angiography	91
Referred Cases ...	217	P. E. G.	26
Follow up ...	719	Myelography	27
Admissions ...	175	E. E. G.	622
		Aortogram	7
		W. B. Angio	16

7. DEPARTMENT OF NEURO-SURGERY.

The O. P. D. functions twice a week Tuesday and Thursday :—

New Cases ...	799	Ventriculography ...	60
Admissions ...	244	Carotid Angiography ...	144
Operations ...	246	Myelogram ...	35
		P. E. G. ...	24

8. RENAL MEDICAL UNIT

The Nephrology (Renal) O. P. D. is conducted twice a week. Saturday is reserved for new registration and Wednesday is for follow up of old cases.

493 new cases have been registered during the year, average being 25 patients a day. Out of the new cases, 397 were admitted for investigation and treatment and 96 were given treatment from O. P. D.

76 Peritoneal dialysis were done as a part of the treatment and 70 kidney Biopsies (per cutaneous) were done.

9. PHARMACY DEPARTMENT

(1) Dispensary :—

Dispensary has dispensed 5,32,397 case papers at outdoor and 414 case papers at Indoor.

Stock items supplied to indoor, wards and theatres is 25,122.

Quantity of stocks prepared for indoor and outdoor patients is as given below :—

Quantity of stock solution prepared	...	Ltrs. 19,384
Tablet pack made		2,57,758
Powders wrapped		67,227
O. P. D. prescription dispensed		17,586
Prescriptions where special drug is issued		78,295
Syrup simplex		Ltrs. 420

(2) Central Sterile supply :—

The sterilization services are given to the All India Institute of Rehabilitation and Family Planning Centre at Bombay Central as usual.

Production :—

(a) Preparations prepared	...	101
(b) Market cost	... Rs.	8,86,827
(c) Preparation cost	... Rs.	3,73,826
(This includes the cost of chemicals, breakages, consumable articles, machines repairs, machine depreciations, Gas and electric consumption, cleaning fluids, general articles testing average and staff salary).		
(d) Savings	... Rs.	5,13,001

(3) Quality control :—

Detailed testing of the raw materials required for manufacturing is undertaken every year as per I. P., B. P. etc.

All the sterilizers are tested for proper functioning fortnightly. 18093 tests have been carried out this year.

(4) Glass Blowing :—

The glass blower services are given to the hospital as well as to the college as usual and 8992 articles have been prepared by the glass blower.

(5) Maintenance Section :—

This section looks after the maintenance and repair work of all the machineries of pharmacy department and the minor repairs of wards, theatres and Bhajekar Hospital.

10. DEPARTMENT OF PLASTIC SURGERY

The Out-patient Plastic Surgery Department is conducted twice a week. 659 cases were seen during the year. In addition average 75 patients were seen every week for follow up treatment.

At present the department is taking part in Burns Research Programme of Indian Council of Medical Research.

A study of effect of pre-operation preparation of operative area exclusively by saline is being carried out at present.

During the year 400 cases were admitted for Surgery and 485 operations were performed of which 137 were of emergency nature.

11. FAMILY PLANNING

1. Persons contacted for F. P. Education	...	2,844
2. Cases given advice	...	331
3. Active cases following F. P. Methods	...	671
4. Clinic Attendance	...	2,837
5. Persons visited at Home for :—		
(i) New contacts	...	2,808
(ii) Follow up	...	234
6. Vasectomy	...	238
7. T. L.	...	961
8. Diaphragm	...	1
9. I. U. C. D.	...	266
10. Oral pills	...	64

12. ENDOCRINOLOGY DEPARTMENT

(i) Patients seen : 1961	Old 1,245	
New—716. (Male—101 —Female—615)		
(ii) Patient's samples collected :		
Urine : 235	Blood : 959	Semen : 110.
(iii) Various Laboratory Tests done during the year :		842
(a) Urine		532
(b) Blood—		140
(1) Plasma Receptor test for H. C. G.		184
(2) Blood Lipids —Cholesterol		30
—Triglycerides		30
—Free Fatty Acids		86
—Esterified fatty Acids		178
—Blood Sugar		232
(3) Blood : Liver Function Tests		110
(4) Plasma Cortisol		95
(5) Protein Bound Iodine in Blood		95
(6) Sex Chromatin	Oral :	95
	Blood :	95
(7) Blood samples collected for F. SH, LH, 170 H Progesterone, Progesterone etc.		110
(c) Semen Samples		150
(d) Histopathology		41
(e) Biochemical Estimations in vasectomised Rat Tissues		58
(f) Histochemistry		41
(g) Biochemical Estimations in rat tissues with Intravas device		41

13. DEPARTMENT OF OPHTHALMOLOGY (EYE BANK)

Keratoplasty operations performed during the year ... 29
 Attendance during the year ...

Particulars	Male	Female	Children	Total
New Cases	59	5	3	67
Admissions	25	2	...	27
Operations	29	2	...	31

14. OCCUPATIONAL THERAPY DEPARTMENT.

Analysis :

Patients (Indoor)	5,742
New Patients (Indoor)	1,322
New Patients (OPD)	1,483
Out-Patients	47,479

Splints :—

- (a) Splint work has increased since Technician is appointed.
 (b) Various types of adaptation is prepared.

Sports :—

- (a) Sports for handicapped to celebrate world day for disabled was organised by NASEOH at Brabourne Stadium. 11 patients participated and won 8 prizes.
 (b) Sports for Paraplegics were organised by "Paraplegic foundation". 10 patients participated and won 4 prizes.

15. PHYSIOTHERAPY DEPARTMENT

Work analysis for the year :

Patients attended	73,522
New patients (OPD)	2,534
New Patients (Indoor)	2,022

The department has sent paraplegics for the sports organised by Paraplegic Foundation at Shivaji Park. The participants won 6 medals.

16. 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	247
First visits	28
Re-visits	3,300

(b) Home Medical Care : The record :

Previous patients	2
New patients enrolled	8
Visiting days	152
Visits	973
Average No. of visits per day	6.4

(c) B. C. G. Vaccination.

B. C. G. Vaccination was carried out on 2609 neonates and 2142 Paediatric out-patients and School clinic patients. Simultaneously, small-pox 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 Std. I to IV was continued and 1278 children were examined.

The following activities were arranged in the Community : (a) at M. P. Chawl : (1) A well Baby Show organised on 4-5-1976. 9 Prizes were distributed to children. (2) A Women's Group started.

(b) at M. P. Chawls and Zopadpatty ; (1) A Health Education Exhibition organised in January 1976.

(2) Immunisation Camp in co-operation with Rotary Club of Bombay organised for both the Communities.

(c) at M. P. Zopadpatty : (1) A women's group started twice a week with the help of B. S. W. students. (2) Cleanliness campaign undertaken with the help of B. S. W. S.M. S.W. students.

(d) at Colaba : A health talk on scabies was organised by the school and also Sudamnagar.

(2) Research projects :—

(a) Longitudinal study of growth and development of Infants and preschool children of the sweeper communities residing at Arthur Road, M. P. Mill Chawls and Colaba.

(b) A clinic at Arthur Road is held twice a week to make a systematic observations of the growth and development of infants and preschool children. The records for the year was :—

Community Group.		No under observation.	Total visits.	Average visit per infant or child
Arthur Road	Infants ...	158	843	4.7
	Pre-school children ...	72	152	2.1
Colaba	Infants ...	10	17	1.7
	Pre-school children ...	57	29	0.50
M. P. Mill chawls	Infants ...	34	134	4
	Pre-school children ...	94	120	1.4

(c) Psycho-Social Studies on Coronary Heart Disease and Prospective Studies on 282 University Professor has been carried out.

(3) Mobile Medical Relief :—

The medical relief is carried out with the help of the Mobile Van and 10 communities have been taken up under this project. 1,69,274 patients have been treated. 5,353 patients have been treated under Medical Relief to Mobile Crèche.

Immunization Record :

Scheme	Type of Vaccine						
	Polio.	Triple	T. T.	D. T.	T.A.B.C.	B.C.G.	Small Pox.
(1) Mobile Medical Relief to Slums Communities ...	2017	1838	3799	90	244	90	94
(2) Mobile Crèche ...	168	53	486	9	..	31	9
(3) Internship Training Programme	364	53	..	23	2683	..	..
(4) Immunisation Centre ..	1430	1212	2	20	98	..	..

(4) Community Health Service at Bandra :—

This project in collaboration with Siva Niketan House has been continued in 1976. Medical relief was undertaken in the 10,000 strong community residing at the Bhrampada slums in Kher-nagar at Bandra. Around 5712 (old and new cases) patients were treated throughout the year.

(5) Social Services :—

(i) Cases handled ..	..	..	..	..	..	..	1,512
(ii) Follow up visit of old and new cases ..	..	..	..	..	..	..	1,922
(iii) Social cases ..	..	..	..	..	..	..	232
(iv) Material aid :—							
Cloths : Old & New ..	..	..	..	..	..	..	211
Ration ..	..	..	..	..	..	..	11
Supplimentary diet ..	..	..	..	..	..	..	65
Special medicine ..	..	..	..	..	..	..	95
Other medicines ..	..	..	..	..	..	..	206
Appliances ..	..	..	..	..	..	..	521
Schools fees, uniforms books ..	..	..	..	..	..	..	23
Rly. fare, Bus fare etc. ..	..	..	..	..	..	..	11
(v) Employment problems and vocational rehabilitation ..	..	..	..	..	..	..	101
(vi) Donation collected in the form of cash (put in P. B. F.) and appliances Rs. ..	..	..	..	..	..	..	31,153
(vii) Home visits ..	..	..	..	..	..	..	318
(viii) Institutional visits ..	..	..	..	..	..	..	89
(ix) Follow-up letters ..	..	..	..	..	..	..	812
(this does not include work with communities)							
(v) Community visits :—							
M. P. Mill Chawls ..	419						584
Colaba ..	107						111
School visits ..	36						
				M. P. Zopadpatty			
				Cheetha Camp			

17. SCHOOL CLINIC.

The Clinic worked in three services viz. Paediatric, Aural and Ophthalmic from Monday to Friday. Attendance of school children was as follows:

Services.	Old.		New.		Total.	
	Primary	Secondary	Primary	Secondary	Primary	Secondary
Paediatric	1572	62	13042	279	14614	341
Ophthalmic	259	33	2949	135	3208	168
Aural	341	14	4767	26	5108	40
Total	2142	109	20757	440	22899	549

Service.	Children	
	Primary	Secondary.
Tonsils operation	114	1
Ophthalmic operation	1	...
Other operations	8	...
Glasses given	2	1
Glasses prescribed	2	5
Appliances given	1	...
Ref. to Physiotherapy department	7	...
Ref. to Speech Therapy department	5	...
Hospital admissions	36	...
Audiogram	7	...

18. HAEMATOLOGY DEPARTMENT :

The department functions twice a week. During the year 410 new cases and old cases of the previous years requiring follow up and treatment have been attended. Average out-patient attendance was 15.

19. GASTROENTEROLOGY DEPARTMENT :

Medical: The department functions twice a week. During the year 900 out-patients and 575 Indoor patients have been attended. 2800 patients were asked to attend for regular follow up.

The other cases attended :—

(i) Routine Investigations	...	Blood—834 ; Urine 710 ; Stool—1084.	
(ii) Biochemical investigations	...	Sugar—235 ; Urea—195.	
Glucose Tolerance Test	19	Liver Function Test	214
Alkaline Phosphatase	238	Thymol Turbidity	214
Serum Bilirubin	22	Serum Proteins	220
Serum Cholesterol	16	Serum Calcium	74
Serum phosphorus	74	Serum Amylase	28
Serum Electrolytes	21	Serum Creatinin	21
S. G. O. T.	135	S. G. P. T.	135
Prothrombin time and Index	52	Bromsurphathelin Test	99
V. D. R. L.	3	Augmented Histamin Test	486
Urine Calcium	2		
(iii) Special Investigations :			
Sigmoidoscopy	420	Gastroscopy	50
Peritoneoscopy	123	Gastric biopsy	109
Jejunal biopsy	91	Liver Biopsy	37
Colon biopsy	36	Oesophageal Biopsy	14
Duodenal biopsy	3	Peritoneal biopsy	13

(iv) Absorption Test :

Faecal Fat	...	120	D-xylose Excretion	...	82
Co. 58 B12 Absorption	...	120	Parcreatic Enzyme study	...	28
Bile Collection	...	37	Intrinsic Factor Antibody	...	50
Intrinsic Factor	...	45	Serum Protein Electrophoresis	...	30
Gastric D. N. A. Content	...	43			
Agar gel Electrophoresis	...	3			

Surgical : The Clinic opens on every Wednesday. It has attended—(i) New Cases—433 ; (ii) Old Cases—2865 ; (iii) Operations—202 ; (iv) Investigations—

Barium	...	158	M. H. T.	...	30
Oral Cholecystography	...	5	P. C. Cholangiography	...	6
Aortography	...	1	Hypotonic Deodenography	...	4
Liver scan	...	6	Sigmoidoscopy	...	10
Gastrocopy	...	7			

20 RHEUMATOLOGY CLINIC :

The Clinic conducts an OPD service on Saturday. For the new cases and those requiring closer attention it has been decided to have an additional OPD on Tuesday. The activities of the Clinic include regular OPD care, Surgical care and Physiotherapy. To help sick patients, patients are admitted indoors. The main surgical procedures are synovectomy and correction of Joint deformities.

21. AUDIOLOGY AND SPEECH THERAPY SCHOOL :

(1) **Academi :** 14 students appeared for Final B.Sc. (A.S.T.) in April 1976 and 8 passed (57%). In October, 6 appeared and 5 passed (83%).

14 new students have been admitted to F.Y.B.Sc. (A.S.T.).

Dr. Krishnamurthy, Head of the Department of Biology "JIPMER", Pondichery was invited as visiting Professor to deliver a few lectures to the benefit of the staff and students.

(2) **Clinical :** 82 hearing aids have been issued free of cost to the poor and deserving cases under Indo-Danish Project. 182 patients have also been provided with custom-made earmoulds, free of cost.

(3) **School Children :** 40 Children were attending the Glasses of Deaf. 10 more children have been integrated to the normal schools from the academic year 1976-77. The progress of all these integrated children is being monitored by the teachers. Three films were shown to the school children by obtaining from the Government of India, Tourist Office. They are :

(1) Kheda Operation ; (2) Animal Life ; (3) Tiger Shikar.

(4) **Cases seen :**

Diagnosis	No. of Cases	Diagnosis	No. of Cases
Audiogram	1955	Hard of hearing	273
Stammering	249	Delayed Speech	86
Dyslalia	66	Mental Retardation	39
Hoarseness of voice	30	Cerebral Palsy	18
Multiple Handicapped	20	Dysphonia	20
Dyserthria	10	Aphasia	23
Puberphonia	15	Cleft Palate	11
Laryngectomy	15	Nasality	11
Normal Speech	9	Primary Hesitancy	4
Behaviour Problem	1	Mangot	1
Not confirmed	36	Short Palate	1
Brain Damage	2	Breath Voice	1
Tongue Tie	2	Vocal Cord Palsy	3

22. HYPERTENSION CLINIC :

This Clinic has been started in January 1976 to give a specialised investigative set-up and care for the patients. The main aim of the Hypertension Clinic is to recruit people with hypertension under the age of 40 years, detect surgically curable hypertension and treat them suitably. 52 patients registered during the year and they have been regularly followed up at the Clinic.

23. DEPARTMENT OF CARDIOLOGY :

(f) Electrocardiograms taken diseasewise during the year are as under :

Diseases	Total	Diseases	Total
Coronary Thrombosis ...	1017	Hypertension ...	637
Mitral Diseases ...	546	Auricular Fibrillation ...	106
C. C. Failure ...	139	Cor Pulmonale ...	206
Angina P. toris ...	145	Aortic Stenosis ...	80
Rheumatic Disease ...	109	Anaemia ...	87
Myocarditis ...	32	Pericarditis ...	49
A. S. D. ...	43	V. S. D. ...	77
P. D. A. ...	14	Fallot's Tetralogy ...	18
Heart Block ...	276	Diabetes ...	261
Pulmonary Stenosis ...	30	I. H. D. ...	446
Normal ...	4865	Pain in chest ...	300
Miscellaneous ...	4589	Dxetrocardia ...	23
(ii) Other investigations :			
Cardiac Catheterization ...	28	Vector-cardiogram ...	64
Treadmill Exercise test ...	60	Echocardiogram ...	74
Master's Test ...	27	Phonocardiogram Oximeter ...	95
		Blood Test ...	

24. DIABETIC CLINIC :

Diabetic Clinic is held every Thursday in a week. Since December 1971, 1550 cases have been registered. The Clinic includes regular doctors and a dietician who work out and advise individual patient's diet. A medical social worker helps patients in solving their socio-economic problems.

The average OPD attendance of diabetic clinic is 6 new patients and 100 old patients per week. Surgical, Gynae, Orthopaedic and Ophthalmic Units have referred to 150 patients for further investigations.

The Clinic also looks after T. B. patients with diabetes in collaboration with T. B. specialists of this Hospital on Wednesday. The attendance of such patients varies from 6 to 10 per week.

25. CHRONIC OBSTRUCTIVE AIRWAY DISEASE CLINIC :

The Clinic has been started in January 1976 for out-patient treatment and follow up of patients with chronic obstructive airway disease. 305 New cases were seen, of which 44 cases were sent from various wards. Average 40 old cases were also seen every week in the Clinic.

Lung functions were done in 472 cases and reversibility of the airway obstruction was studied in the same.

26. 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.

652 undergraduate students (184 ladies) and 588 post-graduate students (126 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.

Students on roll as on 31st March 1977 :—

Class	Male	Female	Total
III M.B.B.S. III Term	17	4	21
III M.B.B.S. II Term	70	42	112
III M.B.B.S. I Term	24	4	28
III M.B.B.S. Casual	24	10	34
III M.B.B.S. Cond.	3	3	6
II M.B.B.S. III Term	100	33	133
II M.B.B.S. II Term	14	5	19
II M.B.B.S. I Term	93	35	128
II M.B.B.S. Cond.	3	1	4
I M.B.B.S. II Term	94	46	140
I M.B.B.S. Cond.	2	1	3
I M.B.B.S. Casual	14	..	14
Total	458	184	642

Post-Graduates :—

M. D. (All branches)	..	203	75	278
M.S. (All branches)	..	131	10	141
University Diploma D. A. DPH & C.	..	12	14	26
C. P. S.	..	86	21	107
M. Sc. by papers	..	10	3	13
M. Sc. by research	..	2	3	5
D. M. L. T.	..	5	5	10
Ph. D.	..	2	3	5
Total	..	451	134	535

27. TOPIWALA NATIONAL MEDICAL COLLEGE LIBRARY

510 books have been added to the library during the year. Out of these, 149 were as donations.

The library subscribed to 295 periodicals as against 290 during the last year. 95 periodicals were received gratis from the publishers, the Honorary staff of the Hospital and others. The library had thus 390 current periodicals as against 375 during the last year.

85,409 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.

4655 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 21,811 books and 9,453 volumes.

28. GYMKHANA ACTIVITIES :

(1) The College participated in Bombay Intermedical Drama Competition and won the "Best Play" in Gujarati Dramas. Dr. Umesh Oza has been awarded Second Prize in acting.

(2) Inter Collegiate Swimming : Mr. Sharad Shenoy won the Men's individual Championship of Inter Collegiate Swimming. He has been selected for Indo-Ceylon Meet and Captain of the Bombay Swimming team. He also secured Second Prize in Diving in Men's Individual Championship at the All India Intermedical Indoor Games Meet and Aquatic Meet, Delhi.

(3) Miss Priti Ganjawala secured the following Prizes :—

- | | |
|------------------------------------|--------------------------------|
| (i) First Prize in Backstroke. | (iii) First Prize in Medley |
| (ii) Second Prize in Breaststroke. | (iv) First Prize in Freestyle. |

(4) In Table Tennis, the prizes secured were :—

- | | |
|---------------------------------------|-----------------------------------|
| (i) Dr. Uday Ranjit | ... Runner Up in Men's Singles. |
| (ii) Mr. U. Ranjit and Bindukumar | ... First Prize in Men's Doubles. |
| (iii) Mr. U. Andar and Miss R. Advani | ... First Prize in Mixed Doubles. |

(5) Carrom :—

- | | |
|--|---------------------------------|
| (i) Dr. R. N. Shah | ... Runner Up in Men's Singles. |
| (ii) Dr. Anil Mahesh | ... Runner Up (Men's Singles). |
| (iii) Dr. R. N. Shah and Mr. M. Parmar | First Prize in Men's Doubles. |
| (iv) Mr. A. Mahesh and Mr. D. Patel | ... Runners Up (Men's Doubles). |

(6) The College was awarded a Championship in Intermedical Football.

(7) Rs. 53,000 have been collected by way of advertisement in the College Week Souvenir.

(8) A contribution of Rs. 3,000 has been given to start a Book Bank by the students Gymkhana.

(9) One of the Gymkhana activities is to run a Consumers' Co-operative Society for the benefit of the Students of the College.

29. DR. BHAJEKAR MUNICIPAL HOSPITAL :

Dr. Bhajekar Hospital is under the direct control of Dean, Nair Hospital. During the year, 11,961 new cases were examined, 18,507 patients came for follow-up treatment, 1,295 patients were admitted for indoor treatment. Total number of operations performed during the year were 894.

Dr. M. S. KEKRE,
Dean.

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
Pre-mature	..	..	6	6
Ophthalmic	24	12	..	36
Pediatric	..	..	51	51
Skin and V. D.	12	4	..	16
E. N. T.	26	10	..	36
Orthopaedic	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
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	3	2	..	5
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.		
	1975	1976	1975	1976	
Male	7,648	13,540	2,564	3,262	
Female	2,331	3,356	1,051	1,270	
Children	Male	1,282	3,064	662	853
	Female	677	1,372	377	507
Total	11,938	21,332	4,654	5,897	

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>						
1976	3.52	13.80	1.41	2.87	20.16	41.36
1975	4.69	13.17	1.26	2.24	6.78	2.14
<i>Out-patient</i>						
1976	..	2.66	0.37	0.22	2.41	5.66
1975	..	3.28	0.31	0.16	5.42	9.15

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	51090	26002	..	..	79092	1118	536	..	..	1654
Surgical	35926	10228	7908	4034	58016	9877	2071	2212	920	15080
Ophthalmic	7524	3529	1006	749	12708	266	17	19	7	309
Gynaec	..	8792	..	..	8792	..	30	..	3	33
Skin and V. D.	22113	7157	7752	5426	42448	34	4	2	1	41
Aural	8731	5519	3223	2471	19944	144	33	34	17	228
Orthopaedic	7656	4152	1364	830	14002	1897	499	538	245	3180
Paediatric	..	..	17989	13743	31732	..	..	192	155	347
Maternity	..	5338	..	..	5338	..	116	..	..	116
T. B.	1708	552	..	..	2260	27	3	..	..	30
Cardiology (Med.)	274	135	48	19	476	1	..	..	..	1
Gastroenterology	216	109	4	4	333	..	..	..	..	..
Psychiatry	1497	856	64	25	2442	10	2	..	..	12
Preventive and Soc. Medicine	20	14	128	82	244	..	..	..	..	..
Rheumatic and Col. Disease	15	32	10	1	58	..	..	..	..	..
Neuro-Surgery	139	98	30	6	273	12	5	5	..	22
Neurology	155	87	14	10	266	2	..	..	..	2
Plastic Surgery	123	68	47	29	267	61	6	16	5	88
Gastroenterology Surgical Service	..	6	1	..	15	..	..	..	..	..
Renal Surgery	..	5	..	..	18	..	..	..	..	..
Genito-urinary Surgical Service	59	6	..	..	65	..	..	..	..	..
Thyroid Surgery	58	138	2	9	207	..	..	..	..	..
Anti Rabic	1275	316	482	190	2263	91	34	46	18	189
New Born	..	..	..	1	1	..	..	..	..	..
Diabetic	86	59	..	..	145	..	..	..	..	..
Paediatric Surgery	..	..	3	1	4	..	..	..	..	..
Haematology	33	26	13	5	77	..	..	..	..	..
Special Care	..	..	260	220	480	..	..	..	..	..
Thoracic	168	61	3	4	236	..	..	..	..	..
Hypertension	3	2	..	..	5	..	..	..	..	..
Total	140390	73287	40351	27759	282287	13540	3356	3064	1372	21332

APPENDIX No. V

Summary of In-Patient Classified According to Department and Sex

Department	SEX	In the hospital on mid-night of 31-12-1975	Admitted during the year	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1976
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Medical	Male ..	15	7259	7415	2683	4000	560	172
	Female ..	79	3571	3650	1380	1920	257	93
	Total ..	235	10830	11065	4063	5920	817	265
Surgical	Male ..	110	5587	5697	2203	3123	246	128
	Female ..	46	1844	1890	878	833	130	49
	Male Child ..	12	1088	1100	826	239	28	7
	Female child ..	2	538	540	408	104	22	6
	Total ..	170	9057	9227	4312	4299	426	190
Ophthalmic	Male ..	15	561	576	501	51	2	22
	Female ..	6	305	311	218	78	2	13
	Male child ..	...	47	47	40	7	..	..
	Female child ..	...	27	27	25	2	..	..
	Total ..	21	940	961	784	138	4	35
Gynaec	Female ..	35	1844	1879	1114	715	10	40
	Female child ..	..	3	3	3	..	..	..
	Total ..	35	1847	1882	1117	715	10	40
Skin & V. D.	Male ..	3	107	110	94	6	3	7
	Female ..	3	23	26	18	5	..	3
	Male child ..	..	5	5	5	..	..	..
	Female child ..	..	4	4	4	..	..	..
	Total ..	6	139	145	121	11	3	10
E. N. T.	Male ..	25	1043	1068	619	315	34	30
	Female ..	14	848	862	787	45	14	16
	Male child ..	6	519	525	516	..	2	7
	Female child ..	4	568	572	546	17	1	8
	Total ..	49	2978	3027	2458	377	51	61
Orthopaedic	Male ..	62	1585	1647	110	1410	28	99
	Female ..	38	740	778	53	627	15	63
	Male child ..	17	415	432	43	388	1	20
	Female child ..	14	229	243	41	196	..	6
	Total ..	131	2969	3100	247	2621	44	188
Paediatric	Male Child ..	41	2992	3033	2589	130	275	39
	Female Child ..	26	2206	2232	1823	144	237	28
	Total ..	67	5198	5265	4412	274	512	67
Maternity	Female ..	59	6768	6827	..	6207	17	59
	Total ..	59	6768	6287	..	6207	17	59
T. B.	Male ..	20	854	874	..	770	79	25
	Female ..	8	176	184	..	165	15	4
	Total ..	28	1030	1058	..	935	94	29
Cardiology	Male ..	9	187	196	..	168	19	9
	Female ..	5	68	73	..	64	5	4
	Male child ..	...	16	16	..	15	1	..
	Female child ..	...	7	7	..	7	..	..
	Total ..	14	278	292	..	254	25	13
Gastro-enterology (Medical).	Male ..	8	186	194	..	183	2	9
	Female ..	2	79	81	..	78	2	1
	Male child ..	1	3	4	..	4	..	..
	Female child ..	...	3	3	..	3	..	..
	Total ..	11	271	282	..	268	4	10

Department	SEX	In the hospital on mid-night of 31-12-1975	Admitted during the year	Total	DISCHARGE		Deaths	Remaining in the hospital on mid-night of 31-12-1976
					Cured	Otherwise		
1	2	3	4	5	6	7	8	9
Special Care	Male Child ..	..	1	1	..	1	..	..
	Female Child ..	..	1	1	..	1	..	..
	Total ..	..	2	2	..	2	..	..
Cardiac Surgery	Male ..	..	23	23	..	13	5	5
	Female ..	..	14	14	..	6	4	4
	Male child ..	..	13	13	..	7	6	..
	Female child ..	..	6	6	..	4	2	..
	Total ..	..	56	56	..	30	17	9
Psychiatric	Male ..	20	417	437	13	400	1	23
	Female ..	..	66	66	8	45	..	13
	Male child ..	..	5	5	..	5	..	..
	Female child ..	..	2	2	..	2	..	..
	Total ..	20	490	510	21	452	1	36
Rheumatic & Collagen Diseases	Male ..	..	2	2	..	2	..	..
	Female ..	..	2	2	..	2	..	..
	Total ..	..	4	4	..	4	..	..
Neurology	Male ..	8	61	69	..	56	5	8
	Female ..	2	33	35	..	31	1	3
	Male child ..	..	2	2	..	2	..	..
	Female child ..	..	3	3	..	3	..	..
	Total ..	10	99	109	..	92	6	11
Neuro-Surgery	Male ..	8	107	115	..	96	10	9
	Female ..	2	49	51	..	40	7	4
	Male child ..	2	22	24	..	17	6	1
	Female child ..	1	10	11	..	9	2	..
	Total ..	13	188	201	..	162	25	14
Plastic Surgery	Male ..	9	130	139	..	129	..	10
	Female ..	1	31	32	..	32	..	..
	Male child ..	1	29	30	..	28	..	2
	Total ..	11	257	270	..	288	..	12
Gastroenterology Surgical Service	Male ..	6	28	34	6	26	..	2
	Female ..	..	5	5	..	1	..	4
	Total ..	6	33	39	6	27	..	6
Thoracic Surgery	Male ..	..	2	2	..	2	..	..
	Male child ..	..	2	2	..	2	..	..
	Total ..	..	4	4	..	4	..	..
Genito-Urinary Surgical Service	Male ..	..	13	13	..	13	..	..
	Female ..	..	1	1	..	1	..	..
	Total ..	..	14	14	..	14	..	..
Thyroid Surgery	Male ..	..	2	2	..	2	..	..
	Female ..	..	4	4	..	4	..	..
	Total ..	..	6	6	..	6	..	..
Diabetic	Male ..	..	13	13	..	13	..	..
	Female ..	..	9	9	..	9	..	..
	Total ..	..	22	22	..	22	..	..
Haematology	Male ..	..	28	28	..	28	..	..
	Female ..	..	12	12	..	12	..	..
	Male child ..	..	2	2	..	2	..	..
	Total ..	..	42	42	..	42	..	..
Grand Total ..	..	888	43522	44410	17621	23168	2051	1070

APPENDIX VI.

University and College Prizes.

Sr. No.	Name of the Student.	Name of the Prize awarded.
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(A) COLLEGE PRIZES :

- | | | |
|---|---------------------------|--|
| 1 | Smt. C. V. Hegade ... | Dr. L. H. Hiranandani Scholarship. |
| 2 | Smt. B. T. Motwani ... | Dr. D. V. Patel Scholarship. |
| 3 | Shri A. S. Gokhale ... | Mrs. Jane Patro Scholarship. |
| 4 | Shri M. Y. M. S. Loya ... | Dr. E. S. Sanker Narayan Iyre's Prize or Scholar-ship. |

For I M. B. B. S. Examination October 1976.

- | | | |
|---|-----------------------|---|
| 5 | Smt. K. K. Gulati ... | (i) Dr. D. D. Variava's Prize & Dr. D. D. Sathye's Prize.
(ii) Mahatma Gandhi Memorial Prize, Dr. R. L. Adiga Prize. |
| 6 | Smt. Nasta S. ... | Dr. S. B. Parchure's Prize. |

For II M. B. B. S. Examination June 1976.

- | | | |
|----|---------------------------|--|
| 7 | Smt. K. Punjabi ... | Dr. V. G. Lele's Scholarship, Dr. S. S. Rao's Prize. |
| 8 | Smt. A. R. Pandit ... | Dr. Manck Bilimoria Prize & S. B. Kekre Prize. |
| 9 | Smt. D. P. Damkawalla ... | |
| 10 | Smt. S. E. D'Mello ... | Shri Doongarshi A. Kaira's Prize. |
| | Shri J. F. Rodrigues ... | Dr. W. B. Bhave Memorial Prize. |
| | | Dr. H. A. Mahiar's Prize. |

College Competitive Examinations.

- | | | |
|----|--------------------------|--|
| 11 | Shri S. G. Chitoor ... | Dr. G. P. Nair Embryology Prize. |
| 12 | Smt. S. G. Bhatgadde ... | Dr. D. H. Datta Memorial Prize in Competitive Examination in Medicine. |
| 13 | Shri M. C. Patel ... | Mister Vishwanath Narayan Shambhu Scholarship in Surgery April, 1976. |
| 14 | Shri S. A. Nanavati ... | Dr. N. V. Ajinkya Midwifery Medal in Obst. & Gyn. 1976. |

For III M. B. B. S. Examination October—1975.

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| 15 | Smt. Bhatgadde S. G. ... | (i) Dr. P. F. Sonawala Gold Medal.
(ii) Dr. Parab Memorial Prize T. C. F. Gold Medal. |
| 16 | Shri Nanavati S. A. ... | Dr. D. B. Pindya Prize & Smt. Gopikabai Narayan |
| 17 | Smt. Velaskar A. R. ... | Karande Prize Snehalrani Ranade Paritoshika for Girl Student. |

(B) UNIVERSITY PRIZES :

I M. B. B. S. Examination—November 1976.

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| 18 | Shri Ahuja H. S. ... | Gopaldas Khanchand Mirchandani Scholarship. |
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III M. B. B. S. Examination—November 1976.

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| 19 | Smt. Bhatgadde S. G. ... | Miss Sokaribai S. Mankar Scholarship. |
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Postgraduate University Prizes—November 1976.

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| 20 | Dr. Sarangi R. P. (D. G. O.) ... | Dr. B. N. Parchure Prize. |
| 21 | Dr. Surka Z. A. (D. O. M. S.) ... | Mrs. Ramdevi M. A. Prize. |
| 22 | Dr. Lobo C. J. (M. D. Obst. & Gyn.) ... | 1. Sir M. Angaldas M. Gold Medal.
2. Dr. S. ... C. G. Gold Medal. |
| 23 | Dr. Karma S. Q. (M. D. Psy. Med.) ... | Dr. J. C. ... Gold Medal. |

APPENDIX No. VII

Results of the University Examination held in April/May 76 and October/November 1976.

Examination	April/May 1976.			October/November 1976.		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
I M.B.B.S.	39	26	65	152	129	72
II M.B.B.S.	124	104	83	53	42	78
III M.B.B.S.	56	39	71	136	98	85
M. D. (all branches)	67	20	29.8	74	24	32.4
M. S. (all branches)	46	16	34.8	41	19	47
University Dip. D.A., D.P.H. & C	9	3	33.8	22	6	28
D. M. L.T.	10	8	80	2	2	100
M. Sc. (By papers)	6	1	16.7	2	2	100

APPENDIX VIII

List of Publications and Papers read

Doctor.	Subject.	Particulars where published.
(1) Neurology		
Dr. P. M. Dalal Dr. A. V. Kamat	(i) Beta Adrenergic Blockade in Neurology.	Jr. Assoc. Phys. Ind. Vol. 24, Nov. 1976. 775-780.
	(ii) A Community Survey in HBP.	Japan Heart Assn./W.H.O. Conference in Tokyo, 1976.
	(iii) Strokes in the Young.	Asian Pacific Congress of Cardiology, Honolulu, 1976.
Dr. P. M. Dalal Dr. S. C. Sheth Dr. S. S. Gholkar.	Diseases of Bones.	Assoc. Phys. Ind. Text Book, 1976.
	(2) Diabetic	
	(i) Glucose tolerance test in Indian population.	
	(ii) 'Insulin Antibodies'.	Hormone and Metabolic Research.
	(iii) Use of dexamethasone in Insulin hypotrophy.	"Diabetis" Journal.
	(iv) 'Alcohol and Diabetics'.	Heart Care.
	(v) Diet in Diabetes.	Heart Care.
	(vi) Griseofulvin & Glucose Tolerance.	
	(vii) Oral Hypoglycemic Agents.	Text book of Diabetes.
	Diabetic Insulin Infusion Therapy in patients with severe diabetes mellitus.	IXth International Conference held at Delhi in October-November 1976.
	Chemical Diabetes Peripheral resistance to Insulin or rapid clearance ?	IXth International Conference.
	Glucagon Diagnostic and Therapeutic use.	A. P. I. Conference-Calcutta.
	Non-Ketotic diab. coma.	A. P. I. Conference-Calcutta.
(3) Endocrinology		
	(i) Excretion of urinary Estriol in High risk pregnancies.	
	(ii) Serum Oxytocinase levels in normal and abnormal pregnancies.	
	(iii) The female Gonads-The Ovaries	A. P. I. Text Book of Medicine.
	(iv) The role of Artificial Insemination in Infertility.	
	(v) Morphological and Histochemical changes in Epididymus of Normal and Azoospermic males.	
	(vi) Use of Radio Receptor assay for hCG in control of female fertility.	
(4) Pathology and Bacteriology		
Dr. P. K. Murti	Rey's Syndrome	
(5) Paediatrics		
Dr. (Mrs.) P. M. Pai	(i) Outcome of prenatal asphyxia	Pediatric Clinics of India 11 : 135, 1976.
	(ii) Cholesterol levels in cord blood of normal neonates.	Pediatric clinics of India.
	(iii) Serum Iron in newborns as related to maternal serum iron levels.	Journal of Obst. and Gynaec of India.
	(iv) Congenital chickenpox (A case report).	Journal of Obst. and Gynaec.

Doctor	Subject	Particulars where published
(6) Psychiatry		
Dr. E. J. DeSouza	Hypertension in Psychiatry	Journal of Heart Care.
	Human Sexuality.	Bull. Ind. Fed. Med. Guilds.
	Psychosocial aspects of V. D. in boys between 11-16 years.	Annual West Zone Conference Jalgaon 1976.
	Double Blind Study of Nitrazepam.	Annual Indian Psych. Conference—Calcutta 1976.
	Hypertension in Psychiatry.	Journal of Heart Care.
Dr. J. S. Anand.	Surgical Contraception and its psychosocial aspects.	
	" Post-operative relief of Pain "	The North zone conference held at Chandigarh.
	Post-operative care of the cardiac patient.	North zonal conference Chandigarh.
	A case against post-operative ventilation.	World Congress on Vasacular Surgery, Bombay.
(7) Pharmacology		
Dr. Inamdas Deshmukh, V. S. Jathar, D. A. Joseph and R. S. Satoskar.	Erythrocyte Vitamin B12 activity in Healthy Indian Lactovegetarian.	Br. J. Homatol. 32, 395 1976.
Dr. R. Hirve, V. S. Jathar, S. A. Desai and R. S. Satoskar.	Vitamin B12 and potential fertility in male lacto-vegetarians. " Diatetic Habits and Quality of Semen in Indian Subjects ".	B. Biosoc. Sci. 8, 221 1976.
		Andrologia 8 (4) j 355-358; (1976).
Dr. B. D. Pimparkar, V. S. Jathar, U. M. Donde and R. S. Satoskar.	Radioactive, Vitamin B12 absorption studies in various gastrointestinal disorders.	J. Ass. Phys. India, 24, 801, 1976.
Dr. J. S. Anand	(i) Vallergeran Toxicity	Brit. J. Anaesth., Vol. 48, 1976.
	(ii) Morphine as safe anaesthetic agent in cardiac surgery.	Ind. J. Anaesth. 1976.
Dr. D. Dasgupta	Problems, management and complication in sitting position in neurosurgery under general anaesthesia.	P. 91, Vol. 24, May 1976.
(8) Gynaec and Obstetric		
Dr. S. K. Joshi	" Study of the Tubal factor in Sterility by Laproscopy and Hysterosalpingography "	
Dr. (Mrs.) R. N. Merchant.	1.- " Experience with a combination of Analgesics in Post-partum Female Sterilisation "	Journal of the Association of Medical Women in India, April 1976.
	2.- " Conservative Approach to Tubal Pregnancy "	Journal of Obst. Gynaec of India, April 1976.
	3.- " Family Planning and India "	8th Annual Programme of Civic Welfare Centre, Bombay, March 1976.
Dr. M. Y. Raval	1.- Late complications and managements of 1st Trimester Abortion.	B. I. M. A. 1976.
	2.- Foetal out come in intrapartum foetal asphyxia.	Pediatric June 1976, Indian Journal.

Doctor	Subject	Particulars where published
Dr. S. K. Joshi		V Annual Conference of Bombay Obst and Gyn. Society.
Dr. (Mrs.) R. N. Merchant.	"Experience with a Combination of Analgesics in Postpartum Female Sterilisation".	Association of Medical Women in India.
		Fourth Conference of Bombay Obst. and Gynaec Society, Bombay.
	"Evaluation of different methods of Female Sterilisation".	4th Conference of Bombay Obst. and Gynec. Society, Bombay.
	(a) Observation on clinical monitoring in Fetal distress.	
	(b) Experience with a combination of Analgesics in Postpartum Female Sterilisation.	
	"Laparoscopy in Gynaecological conditions. Its Benefits & Dangers and Experience with a New Copper I.U.D.	1st Asian Conference of Indian Association of Fertility and Sterility, Feb. 1977.
	Experience with a New Cooper	Indian Medical Association on Recent Trend in Family Planning.
Dr. (Mrs.) S. K. Shah		First Asian Congress of Fertility and Sterility.
Dr. M. Y. Raval	Outcome of Intra-partum foetal hyposia in operative obstetrical delivery.	Vth Annual Conference of Bombay Branch I. M. A. VIth Bombay Obstetrics and Gynaecological Conference.
(9) Haematology		
Dr. A. J. Desai, Miss N. B. Mehta, and Mr. S. S. Desai.	Non-cirrhotic portal fibrosis, Haematological manifestations.	
Dr. A. J. Desai Miss N. B. Mehta	Factor X Deficiency: Clinical study of three cases.	
Dr. Trivedi, Dr. A. J. Desai.	Splenectomy in haematological disorders.	
Dr. A. J. Desai	"Acute Leukemia" Discussed the clinical manifestations of Acute Leukemia.	
(10) Plastic Surgery		
Dr. S. M. Mahalaxmiwalla.	Bases on original technique	Association of Surgeons' Annual Conference held at New Delhi in 1976.
Dr. J. C. Bijlani, Dr. D. A. Joseph.	Effect of Chloramphenicol on pressor responses to adrenaline and noradrenaline.	Symposium on Biogenic Amines & Jaipur in November 1976.
Dr. M. M. Koppikar	(i) Positive contrast scintigraphic studies for liver abscesses.	Society of Nuclear Medicine India Annual Conference at Bangalore in November 1976.
	(ii) Variable format scanning with a rectilinear dot scanner.	Do.
	(iii) Compound B mode ultrasound in liver imaging.	Do.
	(iv) Radiochromatography for gamma emitters using a modified renography.	Do.
Shri K. Unni Krishnan, Dr. M. M. Koppikar, Dr. R. S. Satoskar.	(v) Blood volume studies in essential hypertension using Cr. 51 labelled red blood cells.	Do.

Doctor	Subject	Particulars where published
Dr. R. S. Satoskar, Dr. M. M. Koppikar.	(i) Impact of non-radioisotopic non-invasive imaging techniques in Nuclear Medicine.	The National Seminar on Nuclear Medicine.
	(ii) Development of Nuclear Medicine.	
Dr. R. B. Billimoria, Dr. V. G. Murkibhavi, Dr. P. R. Naik, Dr. S. A. Taskar, Dr. D. A. Joseph and Dr. J. C. Bijlani.	Preliminary C. N. S. studies with Geriforte and indigenous drug.	Association of Physiologists and Pharmacologists.
(11) Anaesthesiology		
Dr. V. M. Divekar, Dr. D. D. Dasgupta, Dr. I. P. Kavadia.	Vapour pollution in operation theatres.	The Annual Conference of Indian Society of Anaesthetists, Poona.
Dr. J. S. Anand	Anaesthesia in crisis.	Do.
Dr. J. S. Anand	Use of Ltc and Flaxedil in Cardiac Surgery.	Do.
	"Morphine and Heart"	First Conference on Surgery in Tropics—Bombay.
Dr. D. Dasgupta	Use of hypertonic saline in relief of intractable pain.	The Annual Conference of Indian Society of Anaesthetists, Poona.
Dr. I. P. Kavadia, Dr. V. M. Divekar.	Anaesthesia and Hypertension	Do.
Dr. A. P. Agashe, Dr. V. M. Divekar.	B-Blockers and the N-M-function.	The Annual Conference of Indian Society of Anaesthetists, Poona.
Dr. V. M. Divekar	"Blind Intubation in Temporomandibular ankylosis"	Association of Oral Surgeons.
(12) Pathology and Microbiology		
Dr. D. U. Antani	"Unusual Salmonella infection—Six cases"	The teaching pathologists meeting held in September 1976 at T. N. M. College. Also presented at the Annual Conference of Association of Microbiologists of India held at Manipal in December 1976.
Dr. D. U. Antani, Dr. (Smt.) Apte.	Carnio-cerebral injuries—an autopsy study.	At Bhopal at the first annual Conference of the Indian Association of Forensic Pathologists held in the month of September 1976.
Dr. S. R. Prabhu	"Pulmonary Alveolar Micro-lithiasis"	Maharashtra State Tuberculosis Conference.
Dr. G. V. Koppikar	"Six cases of Unusual Salmonellosis"	17th Conference of Microbiologists of India (AMI) held at Manipal from 13th December to 15th December 1976.
Dr. V. V. Apte	"Autopsy study of Craniocerebral Injury A study of 129 cases"	First Annual Conference of Indian Academy of Forensic Medicine, held at Bhopal from 23rd to 25th September 1976.
(13) Medicine		
Dr. V. R. Joshi	(i) Extraneural Lesion in T. B. M.	All India Conference on Infectious diseases at Wardha.
	(ii) Study of clinical efficacy of Beclomethasone in steroid dependent asthmatics and its effect on adrenal cortical function.	Xth Annual Conference of College of Allergy and Immunology, Delhi.

APPENDIX IX.

List of Research Work.

Doctor.	Subject.
	(1) Surgery.
Dr. B. R. Kalke	"Evaluation of Long-term cross-circulation in dogs for Circulatory Support."
Dr. R. C. Hansoti, Dr. B. R. Kalke.	<p>"Echocardiographic studies of Mitral valve and Aortic valves."</p> <p>A new oxygenator for the use during open heart surgery. Prosthetic heart valve of new design. New system of recording and filling of the Thoracic and Cardiovascular surgery cases has been introduced.</p>
	(2) Pathology and Microbiology.
	<p>Erythrocin in Oral and Dental Infections. Study of Pathogenic organisms in wound infections after Cardiothoracic Surgery: (Cases). Study of Lymphnodes for Atypical mycobacterium tuberculosis (cases). "Six cases of usual Salmonellosis." Preparation of Antigen of M. Tuberculosis. To set up Agglutination Tests for "Rapid Diagnosis of Tuberculosis." Studies on normal aerobic bacterial flora of different parts of Gastrointestinal tract and appendix. Studies on Bacterial Gastroenteritis. Enteritis and colitis in the City of Bombay.</p>
	(3) Preventive and Social Medicine.
	<p>Longitudinal study of growth and development in Infants and pre-school children of the Sweeper communities residing at Arthur Road, M. P. Mill Chawls and Colaba.</p>
	(4) Psychiatry.
	<p>Psychosocial study of Chronic Alcoholics. Drinking pattern of Alcoholics. Study of suicides with organo-phosphorous compounds. School Project: Psychosocial facets of drop-out students. V. D. in Juvenile Girls. Childhood Schizophrenia. ECT in cases of Myocardial Infarction (In association with Cardiology Department).</p>
	(5) Anaesthesiology.
Dr. V. M. Divekar	<p>Clinical Trials with Ethrane. B-blockers & Tachyarrhythmias in anaesthesia. Bacteriological contamination of anaesthetic circuits.</p>
	(6) Skin and V. D.
	<p>Study of premature graying of Hairs continued. Study of Sexually Transmitted diseases.</p>
	(7) Biochemistry.
	<ol style="list-style-type: none"> 1. Excretion of amino acids in health and disease. 2. Studies in Liver function in thyroid disorders. 3. Studies in protein caloric malnutrition and its relation to thyroid function. 4. Lipid studies in Nephrotic Syndrome. 5. Metabolic studies in smokers and non-smokers. 6. Studies of isoenzymes in hepatic and cardiac disorders. 7. Biochemical study of inflammatory changes with special reference to certain enzymes.
	(8) Physiology.
Dr. (Smt.) V. G. Parulkar.	<p>Vascular responses in smokers & non-smokers in health and diseases.</p>
Dr. (Smt.) M. J. Barua.	<p>Study of interrelationship between smoking and obesity in Indians. Frequency of voile during menstrual cycle.</p>

Doctor.	Subject.
Dr. (Smt.) H. P. Pispati.	Some observations in colour blindness. Effect of speech in different languages on pulmonary ventilation.
Dr. (Smt.) P. Balsubramaniam.	Certain haematological studies in menstrual cycle in undergraduate girl-students. Study of urea clearance test in dogs.
Dr. (Smt.) A. R. Advane.	Study of sensitivity of tests to P. T. C (Phenyl thio carbamide), Steriostoxis.
Dr. (Smt.) Deepa Kumar.	Response to sweet, salt and plain water in rats.
Dr. V. S. Bhatt.	Physiology of normal Dermatoglyphics in Indians 100 males and 100 females. Dermatoglyphic study of 40 mentally retarded children and their comparison with normal population. Study of basal body temperature and determination of time of ovulation in females. "Digital dermatoglyphics in blood groups".
(9) Anatomy.	
Mr. Miranda, Asstt. Professors and Lecturers. —do—	Cytochemistry with exfoliative cytology. Enzyme Histochemistry. Histochemical and Histological Studies on Rat Testis.
Dr. (Mrs.) Mhaskar & Dr. (Mrs.) Noronha.	Experimental Vasectomy and testicular histology. Histological studies on Head and Neck Tissues including Thyroid.
Dr. (Mrs.) Noronha Dr. Jog. Dr. F. P. Soonawalla, Dr. (Miss) S. Lal, & Dr. Mr. Miranda.	Studies in Ossification with Clinical Depts. and experimental research. Studies on testicular Biopsies.
Dr. K. D. Shah.	Studies on the Conducting System of the Heart. Methods for Staining Mucous in specialised condition.
Dr. J. S. Kalgutkar Mr. Miranda and Dr. E. J. De Souza.	Development of a special "Mucus" stain.
Dr. K. V. Vahalia and Dr. (Mrs.) P. S. Mhaskar Dr. E. J. De Souza.	Analysis of the use of Objective Methods as reflections of Teaching Programme.
(10) Gynaec and Obstetric.	
Dr. S. K. Joshi	1. Cytology. (2) Laparoscopy. (3) Started with Cryosurgery. (4) Bad cases of pelvic inflammatory disease.
Dr. S. S. Thakur	1. Laparoscopies. (2) Colposcopy Cx. Biopsy Cytology for follow up of (3) Extra amniotic unacradiyl for 2nd trimester abortions.
Dr. (Mrs.) R. N. Merchant.	1. Under study—New Copper IUD continued. 2. Under study—Shirodkar's method of repair of prolapse. 3. Comparative studies of vaginal tubal ligation and postpartum tubal ligation. 4. Under study—Caesarian Section scar. 5. Under study—Complication of 1st and 2nd Trimester Termination of pregnancy. 6. Under study—Laparoscopic female sterilisation.
	Conducted a Laproscopic female sterilisation camp at Sangareddy (Andhra Pradesh) Hyderabad at the request of Government of Andhra Pradesh on 7th & 8th August 1976. Conducted a laproscopic female sterilisation camp at Dr. Merchant's Hospital, Oct. 1976, Bombay.
Dr. C. Nariani	Study of Unacradiyl in 2nd trimester abortion.

APPENDIX X.
Investigations Departmentwise.

(1) Bacteriology.

(a) Routine examinations of Smear & Culture :—			
Urine	6225	Bronchial swabs and Aspirates.	24
Sputum	6080	Umbilical swabs.	28
Pus and Pus Swabs	2573	Throat Swabs	334
Cerebro-Spinal Fluids	2530	Nasal Swabs	24
Pleural Fluids	739	Pharyngeal, Laryngeal, Palate, Lip, etc. swabs	10
Ascitic fluids	322	Ear swabs	390
Peritoneal fluids	106	Swabs from kidney, Liver, Lung, etc.	106
Miscellaneous aspirated fluids.	261	Lymph nodes	18
Synovial fluids	48	Conjunctival, Corneal etc. Swabs-	149
Wound Swabs	47	Stool and Rectal Swabs	207
Ulcer & Abscess swabs	27	Cervical, vaginal Endometrial etc. swabs	85
		Urethral, Prostatic etc. swabs	39
		Miscellaneous fluids & swabs	130
		Total	20,544
(b) Routine Cultural Examination :—			
Wound Swabs	47	Pus & Pus Swabs	550
Ear Swabs	45	Miscellaneous Swabs & Aspirates...	25
Material for testing sterility.	230	Total	897
(c) Smear & Culture for Fungus :—			
Skin, Scalp scrappings, etc.	5	Vaginal, cervical, Endometrial, swabs, etc.	15
Sputum and Bronchial swabs	38	Urine	14
Ear, throat, tongue etc. swabs	16	Cerebro-spinal fluids	32
Miscellaneous swabs & Aspirates	31	Total	151
(d) Smear & Culture for M. Tuberculosis :—			
Sputum	419	Urine	135
Cerebro-spinal fluids	235	Pleural fluids	315
Ascitic fluids	92	Pus & pus Swabs	305
Vaginal, cervical, Endometrial, Menstrual etc. swabs	40	Lymph nodes	10
Bronchial swabs & Aspirates	46	Miscellaneous swabs & Aspirates.	62
		Total	1659
(e) Cultivation with Carbon-dioxide :—			
Urine	125	Prostatic and Urethral swabs	58
Vaginal and cervical swabs	72	Cerebro spinal fluids	1520
Pus and Pus swabs	28	Swabs from Brain, Lung, Kidney, etc.	60
Miscellaneous swabs and Aspirates	62	Total	1925
(f) Examination of Smears only :—			
Sputum for A. F. B. Direct method			5600
Sputum for A. F. B. Concentration method.			419
Urethral, Vaginal etc. smears.			28
Wet Film preparation for urine.			325
Do. of stools and Rectal swabs			306
Do. Vaginal & Cervical swabs etc.			48
Do. Liver & other aspirates.			161
Miscellaneous smears and swabs			23
		Total	6920
(g) Tests :—			
Sensitivity Tests	5950	Coagulase test	1470
Agglutination test	400	Biochemical tests complete	225
Biochemical tests by triple sugar		Inulin	141
Iron agar	2500	Casoni's test	30
Bite solubility test	81	Preparation of Autovaccine	5
Frie's Tests		Bilological Test	15
Sterility tests	338	Citrate Utilisation test	560
Urca Assimilation Test	960	Indol Test	1160
Nitrogen Assimilation test	225	Vogas Praskaur's Reaction	980
Methyl Red Test	980	Hydrogen Sulphide Production Test	150
Catalase Test	125	Oxidase Test	5
Heat Resistance Test	25		
Miscellaneous Test	12	Total	16337

(h) Special Investigations and Research :—

1. Erythrocin in Oral and Dental Infections : Tooth Socket Swabs	88		
Blood Cultures	88		
2. Study of Pathogenic organisms in wound infections after Cardio-thoracic Surgery (cases)	25		
3. Study of Lymph nodes for Atypical mycobacterium Tuberculosis (cases.)	10		
4. "Preparation of Antigen of M. Tuberculosis. To set up Agglutination Tests for "Rapid Diagnosis of Tuberculosis".	1		
5. Studies of normal aerobic bacterial flora of different parts of Gastrointestinal track and appendix	590		
6. Studies on Bacterial Gastroenteritis, Enteritis and colitis in the City of Bombay.	260		
		Total	1052

(2) Medical Units.**(i) Routine Examinations of :—**

Blood	5882	Urine	4839
Stool	15	C. S. F.	104
Pleural fluid....	122	Ascitic fluid	58
Other Aspirated fluids	2		
		Total	11022

(ii) Smear and Culture of :—

Stool	10
C. S. F.	18
Pus and other swabs	12
Miscellaneous	7
Total	47

(iii) Biochemical Examination for :—

Blood Sugar	120
Blood Urea Nitrogen	93
Serum amylase	1
Total	214

(iv) Routine Examination of :—

Blood	309	Urine	75
Stool	3331	Blood E. S. R.	5955
		Total	9670

(3) Haematology.

Complete Haemogram	1908	Packed Cell volume	1713
Relicalocytes count	934	Mean Corpuscular Haemoglobin concentration	1127
Mean corpuscular volume	46	Mean corpuscular Haemoglobin	44
Erythrocyte Sedimentation Rate	78	Platelet count	60
Microfilarial Parasite	95	Fragility test	10
Haemoglobin & packed cells volume estimation	25	L. E. Cell Phenomenon	375
Bone Marrow	155	Bleeding & Clotting time	2200
Malarial Parasite	1340	Bone Marrow Iron Staining	10

(4) Central Laboratory.**(i) Routine Investigations :—**

Blood count and Hb	21889	Urine	16867
Stool	10209	Occult blood	9367
E. S. R.	7195	Sputum	3148
C. S. F. Routine	6984	Pleural Fluid	1274
Ascitic Fluid	1310	Blood Urea	2994
Blood Sugar....	3414	Blood B. T. & C. T.	794
Throat Swab	231		
		Total	85666

(ii) Collection of Material :—

Blood urea	5705	Blood Sugar	5935
Blood P. P. Sugar	4909	R. A. Test	242
Serum Cholesterol	1305	Uric Acid	696
Serum Bilurubin	1086	Serum Proteins	947
Serum Calcium	1027	L. F. T.	658
P. T. P. I.	30	V. D. R. L.	9301
A. B. O. & Rh.	8098	Serum Alkaline Phosphates.	1052
P. C. V.	1412	Widal	745
Serum Creatine	995		
		Total	45028

(5) Serology.

Blood V. D. R. L.	21,783	C. S. F. V. D. R. L.	1,007
Blood Widal	1,567	Blood Weiffelix	95
Blood Paul Bunnel	8	Blood Brucellosis Ag. Test	
Formal Gel Test	3		
		Total	24,463

Food Handler's Scheme :—

Blood widal	1,531	Blood V. D. R. L.	1,501
Urine	1,450	Stool	1,480
		Total	5,962

Blood Bank Donors V. D. R. L. investigation			5,946
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(6) Chemical Pathology.

Blood Sugar...	32,192	G. T. C.	915
Blood Urea	17,637	Creatinine	5,791
Uric Acid	289	Creatinine Clearance	146
Fibrinogen	149	Total Protein	5,013
Total Albumin	5,013	Total Globulin	5,013
Alkaline Phosphatase	3,421	Thymol Turbidity	2,422
Vanden Bergh	3,933	I. Index	3,933
Bilirubin Total	2,333	Bilirubin Direct	2,333
S. G. O. T.	2,561	S. G. P. T.	2,561
P. T. P. I.	1,957	Inogg. Phosph.	5,670
Acid Phosphate	244	S. Amylase	422
R. A. Test	333	Cholesterol	3,692
G. A.	210	C. S. F. Sugar	2,299
C. S. F. Chloride	2,299	B. S. P.	135
Urobilinogen	87	Total lipid	487
Tryglycides	487	Phospho. lipids	487
S. L. D. H.	444	Electrophoresis	149
S. Sodium	7,968	S. Potassium	7,968
S. Chloride	7,968	S. Calcium	958
Urine calcium	62	Urine Protein	263
Urine Creatinine	59	Urine Sodium	189
Urine Potassium	189	Urine Chloride	189
Blood P. H.	264	Blood Po2	264
Blood Pco2	264	Foetal Hb.	6
Urinary Catecholamines...	32	V. M. A.	11
		Total	1,41,691

(7) Blood Bank.

(i) Blood Collection :-			
Voluntary Donors	4,555	Replacement Donors	1,562
Number of outdoor blood collection.	77	Number of bottles brought from other Hospital	649
(ii) Blood Utilisation :-			
Issued to Nair Hospital Patients	5,091	Given to other Hospital & Blood Banks	1,335
Bottles discarded	4	Sent for Plasma Processing	386
Donors Blood Grouping	6,117	Patients' Blood Grouping	8,494
Antenatal Blood grouping	2,804	Cord Blood Grouping	1,740
M. T. P. Blood Grouping	303	Antibody Detection	141
Coomb's Test	82	Compatibility Test	7,057

(iii) Special Studies Done :-

- 50 Neonatal Jaundice cases studies.
- Antenatal Serology—Study of outcome of 140 Rh. Negative pregnancies done.
- Standardisation of L. D. H. isoenzymes and work on association of L. D. H. isoenzyme abnormal bands with HB ag in hepatitis cases and blood donors started.

APPENDIX No. XI

Number of Patients.

Performance—Targets and Achievements.

Serial No.	Activity.	Target for the year.	ACHIEVEMENTS FOR THE YEAR.			Remarks.
			O.P.D.	Indoor.	Total	
1.	Medical	94,200	80,746	10,830	91,576	The performance Budget was prepared in advance. It was presumed that the attendance of patients will increase for the year 1976. Number of patients admitted and treated in the year 1976 are shown in the statement departmentwise.
2.	Surgical	76,300	73,176	9,057	82,233	
3.	Ophthalmic	16,100	13,017	940	13,957	
4.	Gynaecology	23,000	8,825	1,847	10,672	
5.	Skin and V. D.	43,000	42,489	139	42,628	
6.	Aural	23,200	20,172	2,978	23,150	
7.	Orthopaedic	20,000	17,182	2,969	20,151	
8.	Paediatric	43,200	32,079	5,198	37,277	
9.	T. B.	4,000	2,290	1,030	3,320	
10.	Cardiac Surgery	400	...	...	...
11.	Castro Entrology	600	333	271	604	
12.	Psychiatric	3,000	2,454	490	2,944	
13.	Neurology	600	268	99	367	
14.	Neuro Surgery	900	295	188	483	
15.	Plastic Surgery	900	355	257	612	
16.	Thorasis Surgery	Included in the figures of Surgical cases at Sr. No. 2.	...	...	...
17.	Paediatric Surgery	100	4	...	4	
18.	Peritoneal dialysis	...	...	...	...
19.	Diabetic	300	145	22	167	
20.	Haematolgy (Path.)	100	77	42	119	
		3,50,000	2,93,909	36,357	3,29,874	

**Lokmanya Tilak Municipal General Hospital
and
Annapurnabai Deshmukh Hospital for Women
and
Lokmanya Tilak Municipal Medical College**

HIGH-LIGHTS :

HOSPITAL :—

I.—EXPENDITURE :—

(A)	1. On In-patients	Rs. 1,75,40,955
	2. On Out-patients	Rs. 35,08,191
	3. Total Expenditure (Excluding New Works).	Rs. 2,10,47,275
	4. On New Works	Rs. 1,870
(B)	1. Average cost per In-patient per day	Rs. 50.80
	2. Average cost per Out-patient per day	Rs. 11.19

II.—RESULTS :—

(A)	1. Schedule bed strength	783
	2. Daily average In-patients in Wards.	958
	3. Admissions including those brought over from previous year.	50,640
	4. Number of patients discharged :—	
	(i) Relieved	33,736
	(ii) As cured	3,183
	(iii) Otherwise	3,796
	(iv) Expired	3,509
	(v) Remained in the Hospital on the last day of the year.	990
	(vi) Daily average number of admissions.	136
	(vii) Average stay of In-patients (Days).	7
	(viii) Highest Indoor patients on a single day.	1,054
(B)	1. New Out-patients	2,93,250
	2. Daily average number of new out-patients.	958
	3. Highest O. P. D. attendance on a single day.	1,138
	4. Number of Casualty attendance (Medico-legal)	36,861
(C)	1. Operations on In-patients	13,507
	2. Operations on Out-patients.	14,101
(D)	Confinements :—	
	1. Booked cases	3,339
	2. Emergency cases	1,102
	3. Normal	4,093
	4. Abnormal	348
	5. Left before delivery	985
	6. Neonatal and Maternal Deaths :—	
	(i) Maternal Deaths	19
	(ii) Still Births	298
	(iii) Premature Live Born Infants.	138

III.—SPECIALIZED TREATMENT :—

1. Admissions in Resuscitation	2,504
2. Sterilization :—	
(i) Male	689
(ii) Female	1,238
(iii) I. U. C. D. Inserted	317

IV.—RADIOLOGY :—

1. X-Ray taken.	82,885
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V.—BLOOD BANK :—

1. Blood Samples collected from :—	
(i) Voluntary Donors	2,967
(ii) Professional Donors	453
(iii) Other Hospitals	865
(iv) Relative Donors	1,218
2. Bottles supplied	430
3. Amount paid from Poor Box Charity Fund to professional Donors.	5,436

VI.—SCHOOL CLINIC :—

Number of School Children treated :—

1. New	2,205
2. Repeat	10,181
3. Referred	556
(B) Expenditure on Clinic	Rs. 99,119

VII.—PHYSIO-THERAPY :—

Attendance :—

1. Out-patients	14,508
2. Number of treatments given	1,08,186
3. In-patients	9,942
4. Number of treatments given	99,673

VIII.—OCCUPATIONAL THERAPY :—

1. Number of patients treated	17,351
2. Number of treatments given	1,36,113

COLLEGE :—

1. ANNUAL EXPENDITURE AND REVENUE :—

(A) 1. Expenditure including expenditure on hostel.	Rs. 27,50,528.
2. Revenue from tuition fees, Hostel Rent and Miscellaneous Receipts.	1,31,872
3. Revenue from post-graduate fees.	27,970
(B) Income from Hostel	11,772
(C) 1. Gross Cost per student	8,302
2. Net cost per student	457

2. STUDENTS :—

1. On roll as on 1st April 1977 314
2. Number of students class-wise :—

	Male	Female	Total
Ist M. B. B. S.	57	28	85
IInd M. B. B. S.	80	42	122
IIIrd M. B. B. S.	75	32	107
Post Graduates on roll as on 31-3-1977	45	29	74
INTERNS :—			
Total No. of Interns as on 1-4-1977	43	16	59
Outside Interns	29	20	49

The Lokmanya Tilak Municipal General Hospital has completed 29 years of its existence in this year and the Lokmanya Tilak Municipal Medical College has completed 11 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 upto June 1978. The Medical Council of India has also recognised this College for Award of M. B. B. S. Degree of the 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.
Dr. M. B. Kher	M. B. B. S., M. Sc. (Med.)	Prof. of Anatomy.
Dr. N. A. Dabholkar	M. D.	Prof. of Physiology.
Dr. F. R. Billimoria	M. Sc. (Biochem) & Chem. MRIC, FCS (Royal Inst. of Chem.) (London).	Prof. of Biochemistry.
Dr. P. M. Chaphekar	M. D.	Prof. of Pathology.
Dr. K. P. Deodhar	M. D.	Prof. of Microbiology.
Dr. H. L. Dhar	B. Sc. (Calcutta), M. B. B. S., Ph. D.	Prof. of Pharmacology.
Dr. (Smt.) M. M. Kekre	M. D., D. P. H.	Prof. of Preventive & Social Medicine.
Dr. M. V. Divekar	M. D.	Prof. of Medicine.
Dr. S. V. Nadkarni	M. S.	Prof. of Surgery.
Dr. (Smt.) S. D. Kanitkar	M. D., F. C. P. S.	Prof. of Gyn. & Obst.
Dr. V. B. Athawale	M. D., D. C. H., MAMS	Hon. Prof. of Paediatrics.
Dr. S. S. Mehta	M. B. B. S., D. A. F. F., A. R. C. S. (England).	Prof. of Anaesthesia.
Dr. M. D. Pandit	M.S., R.F.G.S.	Hon. Prof. of Orthopaedics.
Dr. (Smt.) D. S. D'Souza	M.B.B.S., D.P.M.	Hon. Prof. of Psychiatric.
Dr. K. C. Gadre	M.S., D.L.O. (Lon.).	Hon. Prof. of E.N.T.
Dr. M. D. Joglekar	M.B.B.S., D.O. (Lon. D.O.M.S)	Hon. Prof. of Ophthalmology.
Dr. V. R. Mehta	M.B.B.S., F.C.P.S. D.V.D.	Hon. Prof. of Skin and V. D.
Dr. S. C. Shah	M.B.B.S., D.G.O. M.D.R.E.	Hon. Prof. of Radiology.
Dr. B. R. Rao	B.D.S.	Hon. of Prof. Dentistry.

Educational Activities : The number of under-graduate students on roll on March 1977 was 314 and that of postgraduate students was 74. New Course for Diploma in Medical Laboratory Technology is being conducted at this institution with intake capacity of 10 students.

Besides regular teaching programme, monthly schedule meetings and clinical cardiology conferences were held regularly. Scientific and educational films were shown to the staff and students.

Interns : 40 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 examinations are shown in Appendix II.

Separate Committee of the students manage 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, 400 books have been added to the collection totalling to 9,615 books. The library has subscribed to 309 Titles of Journals. 75 Titles of Journals have been received as Gratis Donations.

From the L.T.M.M. College, the Budget Grant sanctioned for library is Rs. 1,44,050 and that from the L.T.M.G. Hospital is Rs. 1,70,000.

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 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 1977 was 145.

Annual Cost and Revenue : The total expenditure of College amounted to Rs. 4,36,561 during the year, excluding establishment as against Rs. 8,80,452 during the previous year. The net revenue of the college by way of tuition fees and miscellaneous receipts etc., amounted to Rs. 1,71,613 as against Rs. 1,54,702 for the previous year.

New Department : Paediatric Intensive Cardiac Unit has been opened on 9th August 1976 in the Paediatric Ward.

Mobile Accident Service : A Mobile Accident Service Van attached to the Emergency Ward has attended 719 patients, out of whom 306 patients have been resuscitated in the emergency Ward.

Indoor Patients : The Scheduled bed strength of this Hospital is 783. The distribution of beds according to the Departments is shown in Appendix IV. 49,773 patients were admitted for Indoor treatment during the year as against 46,552, 46,616 and 49,747 during the preceding 3 years respectively.

Afternoon Out-Patient Department : There are 4 Out-Patient Departments viz., Medical, Surgical Orthopaedic and Paediatrics running in the afternoon. During the year 44,456 patients were treated in these departments.

Out-Patients : The out-patient Departments have attended to 2,93,250 new patients. The highest in-patient and out-patient attendance (only new attendance) on a single day was 1,054 and 1,138 respectively.

Paying—patients : Under this Scheme which is effective from 1951, 1253 patients have been admitted during the year. Employees of the Corporation and their family members are allowed to avail of this facility on payment of 50 per cent of the prescribed charges.

Casualty Departments : 36,861 accidents and other emergency cases were treated in this department.

Minor Surgery Department : 6,860 minor operations were performed in the department during the year.

Pathology Department : 3,30,089 investigations were carried out and 1127 autopsies were performed during the year. A special Laboratory has been set up to work round the clock for the traumatic emergency service. The department has also undertaken work for—

- (1) Maa Hospital, Chembur.
- (2) Chemoir Maternity Home.
- (3) Mulund Hospital.
- (4) Baabaa Hospital, Kurla.
- (5) M. R. Hospital, Matunga.
- (6) Chuaanatti Maternity Hospital.
- (7) Raoti Camp Hospital.

Anaesthesia Department : During the year, 19,384 patients have received anaesthesia in various theatre and minor surgery department.

2,473 patients were kept in recovery room. Out of these, 68 patients were required to be treated with respirators.

Electrocardiography Department : 11,840 Electrocardiographic tracings including 145 vectocardiograms were taken during the year.

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. Special investigations such as X-Ray etc., are carried out, if required. During the year 577 persons have taken advantage of the same.

The Medical 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	... 50,038	(4) Cartoid Angiogram	... 243
(2) No. of X-Rays	... 82,885	(5) Special investigations	... 1,816
(3) Ba-meal, Ba-Swallow and Ba-enema.	... 1,418	(6) Other Misc. Investigations.	... 46,810

Dental Department : 18,614 patients were treated for various tooth troubles.

Anti-Rabic Department : 3,553 patients were treated.

Blood Bank : The total number of Blood samples collected from voluntary donors was 2,976 and from professional donors 453. The total number of relatives donors was 1,218. The number of blood samples supplied for transfusion during the year was 4,748.

Physiotherapy-Occupational Therapy Department : The work done in these departments during the year is shown below (O.P.D. and In-patients).

Serial No.	Department.	No. of patients.	No. of Treatments.
1	Physio Therapy	9,942	99,673
2	Occupational Therapy	17,351	1,36,113

Audiology and Speech Therapy Department : During the year 1,322 patients have taken advantage of the services of this department.

Head Injury Follow-up Clinic : 230 cases were registered during the year.

Family Planning Centre : A Family Planning Centre is run for the benefit of patients attending the Hospital. The work done is as follows :-

(1) Vasectomy Operations performed	... ..	689
(2) Sterilization Operations performed	... ..	1,238
(3) Loops inserted	... ..	317
(4) Patients given oral pills	... ..	222
(5) Patients given condoms	... ..	384

School Clinic Department : 2205 new and 10,181 old cases from 103 different Municipal schools from the Suburbs and 41 from City; and 23 new and 139 old cases from 9 different Secondary schools children. 98 old Primary and 41 old Secondary O.P.D. cases were treated on Saturdays and Holidays during the year.

Medico-Social Service Department : The Medico-Social Service Department has undertaken the following works--

(1) Medical Aid.	... ..
(2) High Protein diet products	... ..	13,953
(3) Social evaluation cases work services and Rehabilitation cases	... ..	200
(4) No. of Blood donation Comparranged	... ..	1,356
(5) Voluntary Doctors	... ..	53
(6) Replacement Doctors	... ..	2,967
(7) Psychiatry for case work and Social help	... ..	1,218
(8) Child Guidance Clinic	... ..	551
(9) Follow-up cases of 1976	... ..	295

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 Centres at L.T.M.G. Hospital and Raoli Camp Diagnostic Centre—

	L.T.N.G. Hospital.	Raoli Camps.
(1) New infant admission	153	132
(2) Re-visits-Infants	1,566	1,253
(3) New toddlers admissions	171	129
(4) Re-visits—Toddlers	1,945	1,883
(5) Oral Polio	380	213
(6) Home Visits	36	33
(7) Nutrition Demonstration	7	3
(8) Health talks to mother	70	..
(9) Field Trips	3	..

(B) Mobile Under Five Clinics—There are 5 mobiles under Five Clinics.

(1) Antop Hill, Wadala	} New enlocment Immunization Polio & Triple Total No. Medical Aid	2,372
(2) Ghatla Village, Chembur		2,811
(3) Mobile Crech M.haim and Andheri		11,913
(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) Matunga 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	268
TAB Cholera	2,754
D. T.	713

(F) Family Planning 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. 1,959 Injury Certificates were issued to the various Police Stations.

Flying Maternity Squad : The Flying Maternity Squad donated by the Indian Red Cross Society Bombay Branch, is rendering services to female patients round the clock. Whenever maternity cases need immediate special attention, such as supply of Oxygen, Blood transfusion or hospitalization, on telephone call, the Flying Maternity Squad reaches there within the minimum time and provides the necessary assistance. During the year, the squad attended 41 such calls.

Dispensary : The work carried out in the Dispensary is as follows :

(1) Out-Patients	4,22,184	(2) In-patients	463
(3) Special Prescriptions	171		

Department of Pharmacy : Sterile and non-sterile preparations were manufactured in Pharmacy Department.

Sterile Preparations : Twenty-eight different types of I. V. Fluids in bottles and various sizes of vials were manufactured according to the requirement of the hospital which numbered about two lakhs. About 400 transfusion sets per day were prepared, sterilized and supplied in dressing drums to the entire hospital. Apart from central sterile supply to the operation theatre, sterilization work of all wards, O.P.D., 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, 70 student nurses were admitted for training in the General nursing and 40 students nurses for midwifery. 45 and 40 student nurses were sent for general nursing and midwifery Exam. respectively, out of whom, 37 general nursing and 37 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 1976 stood at Rs. 5,45,070. Collection from the boxes, donations, sale of drugs and i.j.c.ions and other miscellaneous receipts during the year amounted to Rs. 1,72,650 and expenditure through the Poor Box Charity Fund was Rs. 92,423. The total amount in the Fund as on 31st March 1977 stood at Rs. 6,25,297.

Certificates : 8,570 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 After-noon O.P.D. for the Municipal Staff. 50 per cent concession is granted in Paying Bcd Scheme.

Gift Shop : A Gift Shop for the benefit of the patients has been started in the Dispensary of this Hospital, which is one of the activities of the Poor Box Charity Fund and the proceeds realised therefrom are utilized for the benefit of the poor patients. During the year, Medicine worth Rs. 18,300 were sold from the Gift Shop. Sale through the Gift Shop is discontinued due to the opening of Co-operative Society at the L.T.M.M. College and L.T.M.G. Hospital, Sion.

Dr. V. N. PANSE,
(Dean) L.T.M.G. Hospital, Sion.

APPENDIX No. I.

Results of Different Examinations.

Year.	Examination	Appeared.	Passed.	Percentage of passing.	Student stood first.	Marks secured.
April 1976	Ist M.B.B.S.	14	9	64.3%	Shri Koplekar P.V.	500/800
	II M.B.B.S.	73	68	93.1%	Shri Marar U. V.	398/600
	III M.B.B.S.	22	19	86.4%	Shri Parekh B. J. Shri Shah S. B.	Do. 662/1000
October 1976	Ist M.B.B.S.	70	58	83 %	Smt. Gupta R.	572/800
	II M.B.B.S.	15	8	53.4%	Shri Raut S. L.	380/600
	III M.B.B.S.	41	30	73 %	Smt. Chandrakunhel	635/1000

APPENDIX II.

LIST OF PUBLICATIONS AND RESEARCH WORK.

Department.	Name of Doctor.	Subject
PUBLICATIONS.		
Pharmacology.	Dr. H. L. Dhar.	(i) Further clinical trial on B. Pertussis Vaccine : Proceedings of 13th International Congress on Internal Medicine Helsinki, 49, 1976.
		(ii) Sugar Polymers in rat and man : Int. Arch. Aller. Appl. Immunol. 51, 637, 1976.
Paediatric.	(1) Dr. B. V. Athavale	(i) Breast feeding. } Published in Mahara- (ii) Diet in Children. } shtra Government (iii) Child Care. } Publications. (Bico- (iv) Infant feeding. } monthly 1976). (v) Hand book of Paediatrics—1976. (vi) Mystery of the mind—1976.
	(2) Dr. C. S. Wagle.	"Hand book of Paediatrics"—Pediatric Clinics of India, 1976.
	(3) Dr. (Mrs.) M. N. Mehta	"Indiopathic Hypopurathyroidism" Indian Paediatrics 1976, Vol. XIII No. 5, May 1976— Pages 383-386.
	(4) Dr. (Mrs.) Shalini Bhatt	"Mobile Creche". Analysis of Project— Pediatric Clinics of India, July, 1976.
PAPERS READ.		
Physiology.	Dr. N. A. Dabholkar	Effect of ingestion of glucose on fibrinolytic activity and prothrombin time in diabetic and non diabetic persons—Papers presented by Dr. V. D. Joshi at 22nd Annual Conference of A. P. P. I. 1976.
Paediatric	(1) Dr. (Mrs.) M. N. Mehta	"Vit. C. levels in pregnancy, breast milk and cold blood of new borns". Paper presented at XIII National Conference of Pediatrics, Srinagar October, 1-4th, 1976.
	(2) Dr. (Mrs.) A. Fernan- dez.	(i) "Morbidity & Mortality in Newborn". XIII National Conference of Pediatrics, October, 1976. (ii) "Asthma in childhood". XIII National Conference of Pediatrics, October, 1976.
	(3) Dr. (Mrs.) Shalini Bhatt.	"Mortality in babies, associated with 883 abnormal deliveries". Papers read at XIII National Conference of Pediatrics, October 1976
	(4) Dr. (Miss) M. H. Kupani.	"Morbidity and Mortality in newborns" XIII National Conference of Pediatrics, October 1976.

Department.	Name of Doctor.	Subject.	(%)
RESEARCH.			
Preventive & Social Medicine.	Dr. (Smt.) M. M. Kekre	Mobile Creche : Analysis of a Project Paediatric Clinics of India. April 1976 Vol. 11 No. 2.	
Pharmacology	Dr. H. L. Dhar.	(i) Clinical trial on anti-diabetic effect of B. Pertussis Vaccine. (ii) Further studies on Tachyphylaxis to Dopamine and its mechanism. (iii) Further studies on alpha adrenergic action of tetrazolium salts. (iv) Corelation of liver function with scanning. (v) Effect of Tranquilisers on gastric secretion rats. (vi) Chephalosporin and Allergy. (vii) Mechanism of antidiabetic and hypoglycaemic effect of B. Pertussis Vaccine.	
Medicine	Dr. M. V. Divekar	Research Projects : (i) Yoga in diabetes & Obesity. (ii) Clinical trials of metromycin. (iii) Fructose tolerance test in cirrhosis.	
Physiology	Dr. N. A. Dabholkar	Effect of intraaminotic prostaglandin on blood fibrinolytic activity and serum electrolytes.	

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 & Obstetric	...	144	...	144
Ear, Nose & Throat	12	4	8	24
Ophthalmic	12	8	4	24
Skin	7	6	3	16
Paediatric (including I. P. C. U.)	...	...	72	72
Ped. 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 & 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	347	306	124	783

APPENDIX-IV.

(A) The departmentwise distribution of 49,773 admitted patients plus 867 patients of previous year remaining as on 31-12-1975 is given below alongwith respective figures of previous year.

Sr. No.	Name of the Department.	Patients treated.	
		1975	1976
1	Medical	15,059	12,945
2	Surgical	11,782	11,690
3	E. N. T.	1,590	21,645
4	Ophthalmic	1,211	1,289
5	Skin	113	313
6	Dental	6	7
7	Paediatric	7,815	8,573
8	Psychiatric	480	590
9	Orthopaedic	2,713	3,125
10	Gynaec	1,446	1,825
11	Obstetrics	7,532	7,771
	Previous year's remaining patients.	937	867
Total :		50,684	50,640

(B) Results of treatment :

Hospital.	Curred.	Relieved.	Other-wise.	Delivered	Left before delivery	Expired.	Remaining as on 31-12-76
L.T.M.G. Hospital	2,802	32,021	2,964	...	...	3,478	904
Annapuranabai Deshmulkh Hospital for Women	381	1,715	832	4,441	985	31	86
Total	3,183	33,736	3,796	4,441	985	3,509	990

(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.
1,397	1,002	1,110	3,509

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.
1	Shri Anilkumar M. Zaveri	Rs. 1,000
2	Smt. Nirupama Mehta	1,000
3	Lions Club of Marol	750
4	Lions Club of Powai	750
5	Total donations below Rs. 500/-	1,314
TOTAL		4,814

APPENDIX No. VI.

Expenditure per In-Patient and Out-Patient 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 :								
1975-76	4.58	12.62	4.14	1.12	4.52	0.72	24.40	52.10
1976-77	3.93	12.32	2.81	1.58	2.82	0.37	25.97	50.80
Out-Patient :								
1975-76	...	2.88	0.95	0.26	1.03	0.16	5.57	10.85
1976-77	...	3.18	0.67	0.38	0.67	0.09	6.20	11.19

APPENDIX No. VII

Prizes and Awards

ACADEMIC

- 1st M.B.B.S. (April 1976) : Mr. Kapdekar P. V. stood 1st in class.
 2nd M.B.B.S. (April 1976) : Mr. Parekh B. J. and Marar U. K. stood 1st in Class.
 3rd M.B.B.S. (April 1976) : Shri Shah S. B. stood 1st in Class
 1st M.B.B.S. (October 1976) : Miss Gupta R. H. stood 1st in Class.
 2nd M.B.B.S. (October 1976) : Mr. Raut S. L. stood 1st in Class.
 3rd M.B.B.S. (October 1976) : Miss Chandrakunnel J. M. stood 1st in Class.

- (1) Dr. Phadke Prize in Surgery won by Miss Chandrakunnel J. M.
- (2) Dr. Damle Prize in Medicine was not awarded to any student.
- (3) Dr. Bhargava Prize in obstetrics and Gynaecology was awarded to Miss S. R. Varma.
- (4) Dr. Gadre's Prize in ENT won by Shri Deshmukh P. M.
- (5) Dr. G. S. Ambardekar Scholarship for the year 1976 was awarded to the following students studying in I M.B.B.S. and II M.B.B.S.
 Miss R. H. Gupta (I/II) and Mr. V. Sitaraman (II/I).
- (6) "Pfizer Gold" for standing 1st in the University at the final M.B.B.S. examination was won by Dr. Vijay Deshmukh.

CULTURAL : Our College Play "KISI SEEMA KI EK MAMOO LI SI GHATNA" was placed third at the IPTA inter-collegiate one Act Hindustani Drama Competition. It also bagged the Best script Award and two of the four Actors were awarded 'Certificates of Merit' in Acting, namely Shri Purohit S. B. and Shri Avasthi B. S. .
 Our College Dance Troup consisting of Miss Joshi S. R. Miss Kulkarni A. H., Miss Rao P. N., Miss Sadna S., Miss Shiralkar M., Mr. Sawant P. S., Mr. Maniar P. H. and Mr. Parikh M. gave a live performance of "BHOJPURI FLOK DANCE" on Bombay T. V. on 18th November 1976 at 8.40 p.m. (Loksangeet Programme).

SPORTS : Mr. P. V. Prabhu Captained the Bombay University Basket Ball Team (1976-77) and the Maharashtra State Basket Ball Team (1976-77).
 Mr. S. M. Kumta was awarded the second prize in high jump event at the Bombay University Athletic Meet. (1976-77).
 Mr. Abhyankar U. S. was Captain of Bombay University water Polo team (1976-77).
 Mr. Abhyankar U. S. also achieved the following distinctions at the All India Inter Medical Competition arranged by All India Institute of Medical Sc. New Delhi.

2nd prize in Back stroke—

3rd prize in 400 meters	}	Free style.
200 meters		
100 meters		

3rd prize in 50 meters Butterfly stroke.

3rd prize in 100 meters Breast stroke.

Shri Dixit S. P. and Shri Dixit V. P. entered the final of the Bombay Inter-Medical tennis tournament organised by Seth G. S. Medical College. Our Cricket team reached the semi-finals of the Bombay Inter Medical competition organised by Grant Medical College. Our Volley Ball Team was placed 3rd at the Bombay Inter-Medical competition organised by Grant Medical College. J. R. Kulkarni was the Captain Our team consisting of Mr. Kirpalani H. L. (Captain), Mr. Sanghavi A. P., Mr. Busshah B., Mr. Ratnaparkhi S. B., Mr. Mody J. K. and Mr. Dixit S. P. won the Bridge Championship at the Inter Medical Competition organised by Grant Medical College.

Mr. Vaidya R. S. was awarded the first prize in Chess at the Inter Medical tournament organised by G. M. C.

DEBATING : Our team comprising Mr. Dube M. G., Hegde A., Miss M. V. Lakshmy reached the Semi-finals of the Bombay University Inter Collegiate debating competition.

Miss M. V. Lakshmy was awarded the second prize for individual speakers at the "BHAU DAJI TROPHY" Inter Medical Debate organised by Grant Medical College.

APPENDIX No. VIII.

Performance—Targets and Achievements.

Serial No.	Activity.	TARGETS		ACHEVEMENTS	
		Out-Patients.	In-Patients	Out-Patients	In-Patients.
1.	Medicine	48,000	12,000	63,786	12,945
2.	Surgery	62,000	11,000	83,983	11,690
3.	Obst. and Gyn.	17,000	9,000	20,427	9,596
4.	Paediatric	22,000	7,500	37,494	8,573
5.	Casualty	40,000	...	25,851	...
6.	Orthopaedic	19,000	3,000	25,353	3,125
7.	E. N. T.	12,000	1,600	13,472	1,645
8.	Ophthalmology	11,000	1,100	11,293	1,299
9.	Skin and V. D.	21,000	1,000	24,374	313
10.	Psychiatric	1,200	840	1,202	590
11.	O. T. and P. T.	36,000	28,000	27,293	9,942
12.	Dental	11,000	...	10,846	7
13.	Dispensary	26,300	...	4,22,818	...
14.	Social Service	12,000	...	13,953	...
15.	Paying Ward	...	12,000	...	1,263
16.	Radiology	...Number of X-Ray Plates.	86,000	...	82,885
17.	Blood Bank	... (i) Collection of Blood bottles.	6,000	...	5,503
		... (ii) Blood bottles issued.	6,000	...	5,436
18.	Pharmacy	... No. of Infusion bottles.	1,25,000	...	1,32,083
		... No. of vials.	56,000	...	62,610
19.	Emergency Ward and Accident Service, Emergency	... No. of patients to be admitted.	2,000	...	2,504
		... Calls.	900	...	719
20.	Lab. Service	... Routine Cases	1,30,000	...	2,72,421
		... Special Cases.	70,000	...	
21.	Anaesthesiology	... No. of patients.	10,000	...	19,384
22.	Operation Theatre	...	12,000	...	16,513

THE NAIR HOSPITAL DENTAL COLLEGE

1. High Lights—

(i) Income	... Rs.	2,85,571.00	(ii) Expenditure	Rs.	25,81,785.00
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2. Students—

(i) B. D. S. Course	...	241	(ii) M. D. S. Course	...	46
(iii) Passed B. D. S.	...	61	(iv) Passed M. D. S.	...	17

3. Patients treated—

(i) Out-Patients	...	1,42,668	(ii) Daily average	...	475
(iii) New In-Patients	...	179			

4. Free Supply—

(i) Teeth sets	...	334	(ii) Partial teeth sets	...	248
(iii) Teeth sets repaired...		93			

5. Poor Box Fund Collection—Rs. 15,575/-

The College conducts four-year Course in Dentistry leading to the Degree of Bachelor of Dental Surgery as also post-graduate course in seven dental subjects, leading to the Master of Dental Surgery of the University of Bcmby.

EDUCATION ACTIVITIES : Dr. Martin Entine, Sr. Prosthodontist from Florida took a comprehensive lecture on Oral Rehabilitation. Dr. A. Bryan Wade, Sr. Consultant in Periodontology from the Royal Dental Hospital and School of Dental Surgery from University of London took week long Lecture course and demonstration of latest surgical techniques in Periodontology for the staff and students. Dr. V. B. Dhuru, Asstt. Prof. of Dental Materials at University of Milwaukee, U.S.A. and Dr. B. C. Gomes, Asstt. Prof. in Periodontology State University of New York gave lectures to the staff and students.

HOSTEL : Nair Hospital Dental College Hostel, Municipal Building No. 6 at Haji Ali started functioning from 1-7-1976 for male students only. 58 students are accommodated in the hostel.

LIBRARY : During the year 180 books have been added to the collection totalling to 4063 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 123 Dental Chairs, 101 Dental Units, 120 Bench Type Engines, upto-date Operation Theatre 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.

The staff engaged for the service is 126 Medical, 16 Para-medical and 165 Non-medical.

RESUME OF WORK DONE IN CLINIC : The total number of dental out-patients treated in the dental clinic of the College was 1,42,568 including School Children (in the morning as well as in the evening Clinics) which includes 62,335 males, 49,663 females and 30,570 children the details of work in different departments, operations performed, etc., are given in the Appendices attached.

During the year, revenue of Rs. 2,85,571.00 was collected by way of fees from the students and charges from the patients as against Rs. 1,50,986.00 during the preceding year. The total expenditure incurred came to Rs. 25,81,785.00 as against Rs. 20,80,206.00 during the preceding year.

17,683 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	55,441	Roots Extracted	800
Old Patients	87,127	Abscess Open	27
Total Patients	1,42,568	Alveolectomy	50
Male	62,335	Flap Cutting	83
Female	49,663	Imp. 3rd Molar	113
Children	30,570	G. A. Extractions	1,206
Silver Filling	8,928	Bands	353
Porcelain Fillings	218	Full Denture	1,645
Root Canal Treatment	544	Partial Denture	812
Gold Inlay	109	Repaired Denture	331
Jacket Crown	231	Arch Prepared	366
Crown & Bridge	24	Retention Plate	582
Pulp Capping	423	Retention	6
Apicectomy	38	Fixed Appliances	437
Scaling	19,997	X-Rays	4,108
Cingivectomy	806	Cement Filling	5,825
Curettage	227	Obturator	4
Extractions	49,732	Splint	10
Gold Crown	24	R. C. Filling	551
Dowel Crown	93	Pulpotomy	320

APPENDIX 'B'

Maxillo-Facial and Plastic Surgery Department-List of Operations done during 1976-77

Serial No.	Description	Nos.	Serial No.	Description	Nos.
1	Impaction	380	20	Gland Excision	10
2	Biopsy	45	21	Nurectomy	5
3	Cro-Antral Fistula	15	22	Arthroplasty	5
4	Cyst	20	23	Maxilectomy	2
5	Fracture	38	24	Frenectomy	15
6	Cald-well-luc	16	25	Extra-oral Sinus	10
7	Apicectomy	60	26	Extractions	90
8	Alveolectomy	22	27	Removal of Salivary Calculus	1
9	Alveolar Abscess	18	28	Aureoplastry	5
10	Hemimandibulectomy	2	29	Immediate Denture	8
11	Maxillary Osteotomy Mandibular	10	30	Operculecty	4
12	Cleft Palate	2	31	Excision of Eulis	5
13	Curettage	70	32	Exploration	3
14	Transplantation of Ganine	4	33	Gingivectomy	1
15	Skin Graft	3	34	Wiring	30
16	Bone Graft	3	35	Eric's Splint	15
17	Condylectomy	10	36	Removal of Splint	13
18	Nerve Avulsion	2	37	Salivary Stone	2
19	Sub Luxation of T M Joint	2	38	Sialography	9
Total					955

Operations under L A ... 895

Operations under G A ... 60

Total ... 955

APPENDIX 'C'
DENTAL PATHOLOGY DEPARTMENT

Serial No	Description	Nos
1	Pathology Biopsy	30
2	Surgical Biopsy	180
3	Paraffin Blocks	260
4	Tooth Paraffin Blocks	30
5	Recutting of Paraffin Blocks	50
6	Slides stained (Routine)	400
7	Slides stained (Special)	200
8	Ground Sections	50
9	Investigations	825

APPENDIX 'D'
RADIOLOGY DEPARTMENT

Details of Radiographs taken and examined

No of Patients Treated	...	...	...	...	6,867
(i) Intra-oral Radiographs	...	...	...	...	9,880
(ii) Extra-Oral Radiographs	...	...	...	...	1,696

APPENDIX 'E'

List of Publication and paper read during the year 1976-77

Doctor	Subject	Particulars
SPECIALIZED IN OPERATIVE DENTISTRY		
Dr. S. T. Talim	... Modified Technique for Intentional Reimplantation of molar teeth.	Indian Dental Association Conference held at Pune.
Dr. S. T. Talim	... Electronic Chmmeter an Electronic Device for the Determination of the root chanal length.	Oral Surgery Oral Medicine Oral Pathology Volume 43 No. 1 January 1977.
DENTAL PATHOLOGY		
Dr. H. M. Dholakia, Dr. A. P. Bhatt.	Chondrosarcoma of Maxilla ...	Journal of Oral Medicine, U.S.A.
Dr. H. M. Dholakia, Dr. A. P. Bhatt.	Oral Lichen Planus and its managements.	Maharashtra State Dental Conference held at Lonawala.
Dr. H. M. Dholakia	... Paediatric Oral Pathology ...	Bombay Branch Indian Dental Association.
Dr. H. M. Dholakia, Dr. A. P. Bhatt.	Oral Hygiene an actiological factor in oral Careinogenesis.	Indian Dental Conference held in Pune.
PERIODONTOLOGY		
Dr. R. P. Nayak, Dr. D. P. Mulgund.	... Is tongue cleaning beneficial ? ...	31st Annual Dental Conference held at Pune.
Dr. R. P. Nayak, Dr. (Miss) I. D'Silva.	Some observation on the use of an ancient oral hygiene procedure.	1st Annual Conference of the Indian Society of Periodontology held at Pune.
Dr. R. P. Nayak, Dr. P. K. Bhambhani.	The effect of different tooth brushes on plaque removal.	Do.
ORAL AND MAXILLOFACIAL SURGERY		
Dr. A. P. Chitre	... Maxillofacial injuries ...	IDA Maharashtra State Branch Symposium.
Dr. A. P. Chitre	... Surgical management of T. M. J. ankylosis.	5th Karnataka State Conference IDA, Belgum.
Dr. A. P. Chitre	... Periapical Surgery ...	Maharashtra State Branch Symposium at Lonawala.
Dr. (Miss) N. Y. Masurkar Dr. A. P. Chitre.	Surgical management of Maxillary Protrusion.	II Annual Conference of the Oral Surgeons (Indi.) held at Bombay.
Dr. (Mrs.) Hitkari, Dr. A. P. Chitre.	Case report of clear cell adenocarcinoma.	II Annual Conference of the Oral Surgeons (India) held at Bombay.
ORAL DIAGNOSIS AND RADIOLOGY DEPARTMENT		
Dr. A. L. Bhoweer, Dr. L. G. Shirwatkar.	Toludine Blue in diagnosis of Oral Cancer.	Read in XXXI Indian Dental Conference, Poona and accepted for publication in Indian Dental Journal.
Dr. Y. N. Saxena, Dr. L. G. Shirwatkar.	Radiation dosage during Maxillofacial and Dental X-Ray procedures.	Read in XXXI Indian Dental Conference, Poona and accepted for publication in Indian Dental Journal.

APPENDIX 'F'

Dental Camps Conducted in Slum Areas in the year 1976-77

Serial No.	Date	Place	No. of Patients treated
1	22-8-1976	Matunga Labour Camp, Matunga...	403
2	17-10-1976	Dhanagar Samaj Hall, Govandi ...	454
3	21-11-1976	Municipal Dispensary, Park Site Colony, Vikhroli	625
4	13-2-1977	Chita Camp Municipal School, Chita Camp, Trombay ...	188

APPENDIX 'G'

Prizes and Awards won by the Students of the College

Serial No.	Name of the Students	Name of the Prizes
ACADEMIC		
1	Smt. S. N. Soparkar ...	1st Class in I B.D.S. Silver Jubilee Scholarship.
2	Shri P. V. Angelkar ...	Do. II B.D.S. Do.
3	Shri S. V. Shevde ...	Do. III B.D.S. Do.
4	Shri M. K. Mallua ...	Do. IV B.D.S. Do.
5	Shri S. V. Shevde ...	Do. III B.D.S. Dr. J. M. Dubhash Scholarship.
6	Shri M. K. Mallya ...	Do. IV B.D.S. Dr. P. Sahani P. Scholarship.

CULTURAL

- 1 The College secured 2nd Prize in Hindi Section and 3rd in English Section in Debate competition arranged by University of Bombay.
- 2 Dr. G. R. Karandikar won the Best Student Award.
- 3 Mr. S. P. Charan stood 2nd in Merit List in Final B. D. S. of University of Bombay and Shri A. P. Bari and Smt. S. S. Karandikar stood 2nd in Merit List in 1st B. D. S. of University of Bombay.

GROUP OF T. B. HOSPITALS

HIGH-LIGHTS :

I. Expenditure :

	Rs.
1. Total Expenditure	1,45,94,219
2. Amount spent on In-Patients	1,29,79,706
3. Amount spent on Out-Patients	16,14,513
4. Average cost per day	
(i) In-Patient	28.70
(ii) Out-Patient	8.23

II. Significant Activities :

1. Schedule Bed Strength	1,130	G.T.B. Hospitals.
	+	600 Sarvodaya Hospitals.
	1,730	
2. Admissions	... 10,059	
3. Daily Average of In-Patients	... 1,013	
4. Out-Patients	... 23,791	
5. Average stay of patient in the Hospital	... 1½	Months.
6. Operations carried on during the year	... 444	
7. Health Visits paid	... 2,789	
8. Patients on Waiting List	... 9,492	
9. Patients covered under City Tuberculosis Programme	38,618	

Group of T. B. Hospitals is managed by the Medical Superintendent with the help of Deputy Medical Superintendent and Assistant Medical Officers.

Treatment to 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 600 beds from the Trustees of Sarvodaya Hospital at Ghatkopar where in-patients are treated. Thus, the total beds strength both Municipal and hired comes to 1,730 as under:—

G. T. B. Hospitals, Sewri :

Total number of beds reserved for T. B. Patients in this Hospital:—

Department.	Male.	Female.	Child.	Total.
Medical	596	306	35	937
Surgical	131	62	...	193
Sarvodaya Hospital, Ghatkopar (Hired Beds)	727	368	35	1130
	450	150		600
Total	1177	518	35	1730

After discharge, 4,968 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 admissions	Total	Cured	Othwise	Died	
1,043	10,509	11,102	8,043	807	1,214	1,038

Mortality figures revealed the high incidence in the age group of 26-30. Ratio of death was 10.9% 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	13,500	9,119	4,381
2. Samaldas Gandhi Marg T. B. Clinic	16,066	4,132	11,934
3. M. M. Munshi T. B. Clinic, Khar	9,345	4,517	4,828
4. Balaram Street T. B. Clinic	4,020	2,274	1,746
5. Nawab Tank T. B. Clinic (Started from August 1976)	253	239	14
6. Snb-T. B. Clinic, Bhabha Hospital, Kurla	5,705	3,510	2,195
Total	48,889	23,791	25,098

Sarvodaya Hospitals, Ghatkopar :

600 beds are preserved by the Corporation in Sarvodaya Hospital for T. B. patients as the strength of beds in Municipal Hospital was inadequate. The bed strength at T. B. Hospitals has been further increased progressively from January 1977 and at present the bed strength is 1,230.

Sarvodaya Hospitals :

Patients			Discharge			Remained at the end of the year
From previous year.	New admissions	Total	Cured	Otherwise	Died	
1,200	3,045	4,245	3,676		264	305

The rate charged by Sarvodaya Hospital, Ghatkopar, per patient is Rs. 11.50. Total amount spent during the year comes to Rs. 22,61,361.

POOR BOX :

Collection out of Poor Box is utilised for the benefit of the poor and needy patients and incidental expenses and Rs. 26,123.50 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 Homoeopathy 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 Government. The Central Government have agreed for free supply of drug to the City Tuberculosis Programme of the Corporation and their first supply has been received on 9-2-1977 by the Corporation.

Under this Programme, the whole Area of the Greater Bombay has been divided into sixteen centres (Area Tuberculosis Centres). Two are managed by State Government and one by the Maharashtra State Anti-Tuberculosis Association 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 Technician, Laboratory Technician and BCG Team Leader.

Following are the Upgraded Dispensaries, Peripheral Centres, (T.Cs.) and BCG Vaccination Centres covered by each ATC.

Ward	Area Sq. Kms.	Population	Name of the ATC	No. of Upgraded Disp./Peripheral Centres (T.C.s) and BCG Vacc. Centres covered by each ATC.		
				Up-Graded Disp. having facility of screening and Lab.	Peripheral Centres (T. Centres)	BCG Vacc. Cent.
A	10.48	1,84,531	G.T. Hospital	1	3	5
B	2.47	1,74,536	Nawab Tank T. B. Clinic, Mazagaon	3	1	3
C	1.79	3,11,795	Princess Street T. B. Clinic	1	3	1
D	6.63	4,47,811	Foras Road 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 Gulabi 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 Hospital	1	2	1
M	62.19	2,25,000	Chunabhatti Dispensary	...	8	4
N	39.00	3,47,012	Park-site Colony, Vikhroli	...	4	3
P	74.83	3,96,496	Choksey Dispensary, Malad.	1	9	2
R	82.73	2,36,931	Dahisar Municipal Dispensary	...	6	4
T	41.44	1,24,272	Bhandup Municipal Dispensary	...	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, 7 ATCs 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.

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 Government's BCG Team No. 1 and Organised Home Treatment Clinic, Sewri carry out BCG work in private Schools. In addition O.H.P. Clinic is also conducting BCG in shums during their Shibirs.

Central 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 output performance are also briefly stated in the statements enclosed.

A. P. RAO,
Medical Superintendent,
Group of T.B. Hospitals.

PERFORMANCE—TARGETS AND ACHIEVEMENTS—HOSPITAL.

	Targets down.	Achievements	Remarks.
(1) Indoor Cases ...	25,500	15,327	(i) Due to reduction of 600 Beds out of 1200 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 the past.
(2) Operations(Nos.) ...	500	444	(i) No Blood Bank at these Hospitals. (ii) Shortage of Blood.
(3) Follow-up Examinations ...	3,850	4,968	
(4) Patients kept on waiting List	21,000	9,492	Only selected cases by the Board are kept on Waiting List for admission and not all the case as was done in the past.
(5) X-Rays :			
(a) Mass Miniature Radiography (Nos.) ...	3,500	10,530	.....
(b) Big Plates (Nos.) ...	14,000	11,036	.....
(c) Screening Exams.(Nos.)	1,800	736	.....
(6) Pathology :			
(a) Blood ...	30,000	29,890	.....
(b) Sputums	30,000	29,600	Due to less number of admissions and rationalisation of admissions sputum examinations are done at Clinic level.
(c) Urine ...	6,400	10,720	.....
(d) Stools ...	6,500	3,198	This is done only when it is necessary and not as a routine one like sputum, blood etc.
(e) Histopathology ...	200	62	These are special types of examinations which are done only when necessary for the patients.
(f) Sensitivity Tests ...	1,400	944	
(e) Pleural fluids ...	300	89	

T. B. CLINICS

1976	R.D.T.B. Clinic,		Princess Street		Foras Road		Khar T. B.		Nawab		REMARKS
	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	achievements	Targets	achievements	
I.—OUTDOOR CASES											
(a) T. B. Cases ...	9,000	9,119	4,000	4,132	3,000	2,274	6,000	4,517	4,000	239	(1) The Nawab Tank T.B. T.B. Clinics not yet established on a full fledged T.B. Clinic like other T.B. Clinics. X-Ray Machine is still not installed. Hence the output is less.
(b) Non-T.B. Cases	5,000	4,381	12,000	11,934	4,000	1,746	14,000	4,838	12,000	14	
Total	14,000	13,500	16,000	16,066	7,000	4,020	20,000	9,345	16,000	253	
II.—X-RAYS											
(a) Mass Miniature Radiography (Nos.)	16,000	16,196	20,000	19,937	5,000	4,861	16,000	12,419	3,000	.....	(2) Re Screening This is done only when X-R.y machines are out of order or there is a shortage of films.
(b) Big Plates(Nos.)	600	792	300	157	500	170	200	233	200	.....
(c) Screening ...	200	...	500	682	106	15	3,000	720	200	74	
III.—PATHOLOGY											
(a) Blood Exam.	600	709	2,800	2,486	100	167	1,500	1,011	100	...	(3) Re Stool This is done only when it is necessary and not as a routine one like sputum, blood, etc.
(b) Sputum ...	9,000	8,548	3,500	3,870	3,000	3,722	6,000	6,531	2,000	101	
(c) Urine ...	200	568	500	348	150	154	200	116	100	...	
(d) Stool ...	20	1	10	10	10	8	...	...	...	...	(4) Re Health Visiting Due to introduction of City Tuberculosis Programme, Health Visitors attached to Khar T. B. Clinic have to visit dispensaries (Treatment Centres) etc. for training the personnel working thereat and hence there is less number of Visits.
IV.—Health Visiting (House)	500	445	1,500	1,723	400	476	600	233	400	274	

SETH A. J. B. MUNICIPAL E. N. T. HOSPITAL

HIGH-LIGHTS—

I—Expenditure :

	Rs.
(A) 1. On In-Patients	8,50,995.71
2. On Out-Patients	4,25,497.85
(B)- Average Cost	
1. Per In-Patient per day	41.41
2. Per In-patient admission	181.64
3. Per Out Patient attendance	4.03
4. Per Out patient admission	8.21

II—Results :

(A) 1. Scheduled Bed Strength	100
2. Daily Average in-patient in wards	56
3. Admission including those brought over from previous year (4685—61).	4,746
4. Patients discharged	4,094
(i)-as cured	596
(ii)-as Unchanged	33
(iii)-as Left against Medical advice	5
(iv) expired	9
(v) Remained in the hospital on last-day of the year	54
5. Average stay of In-Patient (In days)	4.50
(B)- O. P. D. Patients :	
1. Patients (New)	51,779
2. Daily average of out patients	169.76
3. Out patients (New and Old)	1,05,492
4. Daily average of Out Patients attendance	345.87

Seth A. J. B. Municipal E. N. T. Hospital.

The Municipal Ear, Nose and Throat Hospital which was started in December 1962 at Improvement Trust Building has been renamed as Seth Atmasingh Bankebihari Municipal E. N. T. Hospital.

The Scheduled bed strength of the Hospital is 100 and all the beds were commissioned for in-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 a single day was 524, during the year. 4,336 operations were performed on In-patients. In Pathology Department 30,110 Clinico-pathological investigations were performed, and in Radiology Department 7,966 Radiological investigations were performed during the year 4416 X-Ray films were used for 3775 patients and 4191 patients were recorded for screening. 6,132 Audiograms including 1,130 post operative audiograms, 105 speech cases were treated. An audiology room for full comprehensive tests of handicapped individuals is provided in the hospital.

An amount of Rs. 13,284 collected through poor boxes during the year were utilised to provide hearing aids, tracheostomy 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 (part-time) Anaesthetist, 2 Jr. Assistant Medical Officer, 1 Pathologist (part-time).

Nursing staff consisted of 1 Sr. Sister, 6 Sisters and 28 Staff Nurses.

Rs. 8,36,116 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	26,332	21,662	47,994
Female	14,019	16,861	30,880
Male-Child	5,609	8,913	14,522
Female-Child	5,829	6,277	12,096
Total	51,779	53,713	1,05,492

Classification Indoor Patients :

Sex	Admitted	Discharged	Died	Remained in the Hospital
Male	1,925	1,893	7	25
Female	1,326	1,304	2	21
Male-child	773	768	5	4
Female-child	722	718	4	4
Total	4,746	4,683	9	54

DR. (SMT.) S. C. BASRUR.
Assistant Medical Officer.

APPENDIX No. I.

Number of Patients.

Performance Budget — Targets and Achievements.

Serial	Activity	Physical target as per performance Budget	Actual Target achieved.	Remarks.
1	Ear, Nose and Throat Department :			
(i)	Outdoor	1,26,500	1,05,492	
(ii)	Indoor	6,000	4,746	Operation Theatre was closed for air-conditioning in 1976.
2	Pathology Department	29,800	30,110	
3	X-Ray Department :			
(i)	No. of Screenings	950	4,191	X-Ray machine was under repairs during 1975-76 hence there is increase in number of screening and X-Ray during 1976-77 i.e. after repairs of X-Ray machine.
(ii)	No. of X-Rays	3,500	3,775	
4	Audiology Department :			
(i)	Audiograms	6,000	6,132	
(ii)	Post Operative Audiograms	950	1,130	
(iii)	Speech cases	100	105	

CITY ENGINEER'S DEPARTMENT

HIGH-LIGHTS :

I—(a) Expenditure :—

	Rs. (in crores)
(i) On execution of Loan Works	13.21
(ii) On execution of revenue works	7.55
(iii) On Establishment	12.24
(iv) On other heads—	
(a) From Loan Works Budget	2.97
(b) From Revenue Budget	4.89
(b) Revenue earned :	4.52

II—Achievements :—

	Completed.	In progress
1 Building Construction Section—		
(a) Housing tenements	587	1,488
(b) School buildings	9	25
(c) Markets	5	4
(d) Hospitals, Maternity Homes & Dispensaries	12	5
(e) Other building works	15	11
2 Road Construction Section—		
(a) Road surfacing in Asphalt concrete	13	6
(b) Road surfacing in cement concrete	...	...
(c) New Roads including S. W. Drains	22	19
(d) Road widening	18	18
(e) Any other works	22	15
3 Private Building Construction Section—		
	Under Sec. 337	Under Sec. 342
(a) Building Proposals Residential—		
(1) Received	1,965	1,832
(2) Approved	1,291	506
Non-Residential	...	1,203
(b) Residential buildings constructed by—tenements shown in brackets :—		

Private Parties.	Co-op. Societies.	Employers for their employees.
531 (10,557)	351 (5,029)	12 (462)

(c) Non residential buildings constructed by private parties

	...	442
--	-----	-----

4 Slum Improvement :

(i) Colonies covered for improvements	...	85	} Population benefited.
(ii) Slums cleared and development completed	...	24	
(iii) Slum under clearance and under redevelopment stages	...	3	
(iv) Tenements completed under Govt. of India Subsidised slum clearance scheme	...	93	

5 Mechanical Branch :

(a) Jobs attended by—		
(i) Workshop : 1,479	(ii) Foundry : 213	(iii) Design Section : 908.
(b) Washing services rendered by Municipal Power Laundry	...	45
(c) Linen washed by Laundry	...	65,70,999

6 Electrical Branch :

(I) Building Construction Section :		
Works by Contract—(a) Completed : 42	(b) In progress : 29	
(II) Plant and Machinery Section :		
Jobs executed—(a) Departmentally : 856	(b) Through Contract : 105	
(III) Refrigeration Section :		
Works by contract—(a) Completed : 32	(b) In progress : 11	
(IV) Ward Maintenance Section—Jobs executed by contract : 130.		

7 Transport Branch :

Transport Branch used 808 vehicles for rendering various services to V. I. P. 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 removed (in tonnes)	...	9,30,000
(b) Total vehicles employed for removal of refuse	...	1,88,026
(c) Public latrines maintained	...	1,175
(d) Urinal Stalls maintained	...	1,502
(e) Welfare Centres for the Conservancy employees	...	28

9 Acquisition of Land :

(a) Properties acquired :	
Under L. A. Act : 2	By Negotiations : 11
(b) Proceedings in progress :	
Under L. A. Act : 235	By Negotiations : 149

10 Implementation of Town Planning Scheme :

(a) Plots taken over by the Corporation	...	84
(b) Execution of works under T. P. Scheme—		
(i) Building Works : 2	(ii) Roads : 4	(iii) Other : 1.
(c) Expenditure incurred	Rs.	41,05,811
(d) Contribution charges collected	Rs.	8,05,307

11 Maintenance of Municipal Properties:

Buildings: 7,885 (ii) Roads: 1378.30 Km. (iii) Works carried out through P. W. C. 315 Km.

12 Supervision of Private Buildings and Factories:

(i) Notices under different Sections of the Act—

Issued: 8300 Complied with: 3700 Pending: 4600.

(ii) Unsafe buildings or portions thereof removed by the Corporation under Sec. 489 of B. M. C. Act	...	117
(iii) Authorities granted to the tenants under Section 499 of the B. M. C. Act...	...	167
(iv) Tenants who took advantage of the authorities	...	1,013
(v) Action taken against unauthorised structures	...	15,378
(vi) Unauthorised structures removed—		
By Parties: 1208 By Corporation: 2029 Cases where action dropped: 791		
(vii) Factory permits issued	...	1,771
(viii) Prosecutions launched	...	2,699
(ix) Prosecutions decided in favour of the Corporation	...	1,744

The City Engineer's Department is charged with the functions of Planning, Designing 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 Byelaws and Development Control Rules for the orderly growth of the City. It functions in three Sections *vi.*, 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 Dindoshi Village, Malad (East), 'P' Ward. Subsequently, the Government of Maharashtra decided to shift the milch cattle outside Greater Bombay limits and original proposal has been dropped. In the meanwhile, Rs. 16 lacs 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 under 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 their decision is awaited.

2. PLANNING BRANCH:

This Branch headed by Dy. City Engineer (Planning and 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 buildings and supply of drawing materials to Municipal Departments. The details of work carried out are as under:—

Particulars	General Building Works		Housing		
	City	Suburbs & Ext. Suburbs	City	Suburbs & Ext. Suburbs	
(1) Cloth Tracing	...	17	10	5	5
(2) Paper Tracing	...	340	405	99	22
(3) Blue Print Copies	...	17,630	11,548	367	688
(4) Block Estimates	...	73	68	30	8
(5) Amount of Block Estimates (in Crores) Rs.	...	12.25	14.9	9.35	0.7
(6) Details plans and estimates	...	31	37	17	4
(7) Amount of detaile estimates (in crores) Rs.	...	5.75	...	2.00	...
(8) Contracts awarded	7.5	...	0.8
(9) Detaile estimates in hand	...	25	16	14	2
(10) Approx. cost of detaile estimates in land in crores)	Rs. ...	8.00	3.3	3.20	0.2

3. ADDITIONAL ACTIVITIES :

Mechanical and Electrical Branches of this Department (except the office of the Executive Engineer Mechanical, North and Project) is under the control of Dy. City Engineer Mech. and Electrical). The work of Civil Defence Cell, Air Pollution Prevention Cell and the work related to Central Ambulance Service including setting up of V. H. F. Radio Telephone net work for Central Ambulance Service and Water Works installations has also been brought under his control from 21-6-1976. In addition, the work of municipalisation of Bombay Gas Co. visa-vis the supply and distribution of Natural Gas from Bombay High, is also looked after by this Branch.

(i) **Civil Defence Cell :** This 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.

Following works have been attended to by the Civil Defence Cell in this year :—

(a) Fresh guide lines for updating Civil Defence paper plans of essential services and survival plans for the installations.

(b) A Scheme for training Municipal employees in Civil Defence Courses conducted by the Controller of Civil Defence was finalised and introduced in the Education Department in the first instance to impart training to Municipal teachers. 133 Municipal employees including 67 Municipal teachers have undergone the above courses during the year. Guide lines have been framed to extend similar training to Hospitals, Engineering and Ward staff by forming sub-Units.

(c) All the remaining seventeen aboveground static tanks in the City were demolished and site released to the Director of Civil Defence for construction of underground static tanks. Three new sites in the City for such tanks will also be finalised at Strategic points to meet fire fighting requirements.

(d) The vigilance work is carried out by this Cell. 49 tender proposals were preaudited, including those of Transport Department. 43 sites were inspected for verifying contract works and investigation of complaints and irregularities found were pointed out to the departments. The staff proposals and specifications of Plant and Machinery of these departments were also scrutinised and technical staff interviewed for promotional posts.

(e) In addition, the Civil Defence Cell looks after the work of project monitoring pertaining to the Electrical and Mechanical branches.

(ii) Air Pollution Prevention Cell :—

With a view to take long term measures so as to control and minimise the air pollution in Greater Bombay, a separate Cell known as 'Air Pollution Prevention Cell' has been established first time in the Municipal Corporation. The first task of the cell is to assess the concentration of primary air pollutants in the ambient air quality. The Cell also suggests to the different industries, the preventive and controlling measures to be adopted to minimise and bring down the pollution level. A separate well equipped laboratory is proposed to be established at Worli for the purposes. A contract has also been entered into with NEERI to carry out extensive survey of air pollution in Greater Bombay (The 2nd phase programme of Air Pollution Survey) at the cost of Rs. 8.40 lacs. The Health Survey Unit established at the K. E. M. Hospital to study and to establish the cause-effect relationship between pollutants and their effects on human health, vegetables etc. has conducted the sample survey in the selected captive localities viz. Lalbag, Parel, Chembur Trombay as relatively polluted urban areas and Khar as relatively clean urban area. For the sake of comparison the Unit has also selected a place in rural area, a Village known as Poinad in Kolaba District and have carried out census surveys. With a view to tackle the problem of air pollution in Greater Bombay, a Committee of experts in the field of air pollution has been set up under the Chairmanship of the Mayor.

During the year, 90 cases of complaints of air pollution were investigated and 187 proposals for issue of N. O. Cs. were examined.

(iii) Central Ambulance Service :

The Project Report for Central Ambulance Service is submitted to the Corporation for sanction. The entire project is estimated to cost Rs. 7.50 crores and will be executed in stages in a span of five years. During the year, one prototype 'B' category ambulance is fabricated.

The tenders for construction of Emergency Medical Care at Mulund General Hospital and R. N. Cooper General Hospital, Juhu have been finalised. The proposals for purchase of wireless sets were finalised and frequency allocation proposal submitted to the Central Government.

(iv) V. H. F. Radio Telephony System for Water Works Installations and for Central Ambulance Service :—

During the year special type of Antenna for Kapurbawdi and for Pise Pumping Station were fabricated and installed at site. The wireless sets installed at different Water Works Installations were maintained efficiently and were kept in good working condition.

(v) Municipalisation of Bombay Gas Co. :—

The Corporation passed Resolution during the year to Municipalise the Bombay Gas Co. and the Government of Maharashtra was informed accordingly. Final orders are, however, awaited. During the interim period, pollution control measures are suggested and are being enforced on the company with a view to reduce ground level pollution.

(vi) Distribution of Natural Gas in Greater Bombay :—

With the prospects of availability of about 4.1 million M3 of associated gas from Bombay High, there is a very good scope for supply of Natural gas as piped fuel to the citizens of Greater Bombay. The preliminary techno-feasibility study was carried out and submitted to the Government. The total quantity of 0.65 million M3 of gas could be supplied in the Island of Bombay in two phased programme spread over a period of five years to ultimately serve 2,0,000 consumers and commercial establishments. The entire project is estimated to cost Rs. 30 crores.

4. REPAIRS BOARD CELL :

Two Asstt. Engineers with four Sub-Engineers are working in this Cell under the direct supervision of City Engineer to help the members representing the Corporation on the Bombay Building Repairs and Reconstruction Board to play their roles effectively.

The Broad features of the work done by the staff working in the Repairs Cell during this year are as under : (i) Scrutiny of the proposals under Section 33(5) of the Board's Act (27 Nos.), scrutiny of the draft schemes submitted by the Repairs Board for Reconstruction of Buildings (66 Nos.).

(ii) Site inspection of the location of the buildings which were to be undertaken by the Bombay Building Repairs and Reconstruction Board for structural repairs (616 Nos.) The inspections were necessary to determine the admissibility of structural repairs to such buildings viz., if affected by the D. P. Reservations, proposed regular line of road, road widening schemes etc.

(iii) 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. (100 Nos.).

(iv) Preparing Agenda, notes for Board's meeting, offering comments and replies to the references from Government etc.

5. SLUMS :

(a) **Improvement of Slums :** Since the establishment of the Cell in 1969, the work of construction of huts, providing amenities in different hutment colonies has been continued. The Maharashtra Slum Improvement Board has given grant of Rs. 2,12,30,976 to the Corporation for the Slum Improvement Programmes for the year 1976-77. 85 more colonies comprising a population of about 4,35,705 were provided with amenities under the Slum Improvement Programmes during the year. The Corporation have provided about 1838 water taps, 36,661 W.C./SP Seats, 3,51,895 Sq. Mts. of roads and passages and 1,84,305 R. Mts. of drains.

The Corporation under this Programme has taken the work of providing schools, markets, dispensaries, welfare centres, sub-stations, colony offices etc. at an estimated cost of Rs. 74,00,000 and have spent Rs. 25,19,000 so far. The works are in progress. The Revenue earned by the Corporation by way of compensation from the hut dwellers during the period is Rs. 1,08,53,800.

(b) **Clearance of Slums :** This Branch is mainly concerned with the following :—

(i) Preliminary Survey of Slum area, declaration of Slums areas 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 ' Clearance Areas ' under Section 354-R 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 on Municipal Land :** During the year, the Corporation have not acquired any slum areas for development. However, the following works of construction of tenements were completed, this year.

(i) 48 tenements at Gora Gandhi (Transit Camp).

(ii) 45 Tenements at Walpakhadi.

(iii) 24 slums declared and development completed.

(iv) 3 slums under clearance and redevelopment in stages.

6. MATERIAL TESTING LABORATORY AT WORLI:
The following samples were tested in the M. T. Laboratory, Worli, during the year and the cost thereof was recovered—

Particulars of Samples	Deptl. Works	Govt. Works	Private Works	Total
Concrete	1854	1709	871	4434
Bricks	1402	550	92	2044
Cement	212	5	10	227
Misc. (Aggregative Analysis)	(Not separated)			
	Rs.	Rs.	Rs.	Rs.
Cost recovered— Concrete	315	12,817.50	13,065	26,197.50
Bricks	17,355	7,150	1,196	25,701
Cement	18,645	525	815	19,985
Misc. Test	(Not separate.)			1,230
Hire of mould	2,184	(By Deptl. Contract only)		2,184
Total	38,499.00	20,492.50	15,076.00	75,297.50

Cost of testing of concrete and cement samples tested free of cost amounted to Rs. 31,141.

7. 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)
			Rs.		Rs.
1. Housing—					
(a) Works including Pile foundation	I	6	37.50	8	147.40
(b) Structures	I	20	...	18	...
(c) Tenements	I	371	304	...	...
	II	16	2.28	564	65.00
	III	200	3.69	+ 12 shops 900	33.51
2. Other than Housing—					
(a) Schools	I	3	21.82	9	153.78
	II	2	36	8	148
	III	4	10.49	8	36.04
(b) Markets	I	3	6	2	12.73
	II	2	15	2	28.00
	III	2	...	...	...
(c) Hospitals & Mat. Homes	I	11	88.05	3	52.79
	II	1	43.09	2	31.83
	III	...	...	4	41.16
(d) Other Works	I	4	8.30	4	65.60
	II	1	17.39	3	89.60
	III	10	19.35	4	5.00

8. MAINTENANCE OF MUNICIPAL BUILDINGS AND ROADS:

(i) Municipal Buildings: Municipal Buildings in the City at the end of the year were:—

- (a) Housing: 716 (Tenements 34,708) in City and 601 (Tenements 8686) in Suburbs.
(b) Other buildings: 6050 in City and 518 in Suburbs.

The work of maintenance is classified under the major heads (1) Normal Repairs, (2) Special Repairs, and (3) New Works. Normal Repairs include works of monsoon repairs. Special repairs cover the works which are likely to increase the life of buildings or structures where as the work of additions and alterations to the buildings as also those of providing additional amenities fall under the category of new works.

The repairs and maintenance works at the Municipal properties were carried out either departmentally or through annual petty works contractors.

The total expenditure incurred on the maintenance of Municipal properties was Rs. 5.63 Crores (City Rs. 2.69 Crores and Suburbs Rs. 2.99 Crores). Out of this, an amount of Rs. 2.33 Crores was spent on normal maintenance and an amount of Rs. 3.35 Crores was spent on new works and special repairs work. Works costing Rs. 5.13 crores (City Rs. 1.89 crores and Suburbs Rs. 3.24 crores) were executed through the petty works contractors.

(ii) Roads and Footpaths:

(1) Length of Roads (K.M.)

	Cement Concrete	Block topped	Sett. paved	Water bound macadam	Others	Total Length
City	56.07	269.32	0.53	...	141.49	467.41
Suburbs	115.20	759.00	2.00	11.00	23.70	910.90

(2) Improvement to Road:—

	Asphalt	Chip on Asphalt	Semi-grouting	Asphalt concrete	Surface dressing
City	Area (Sq. Mtrs.)	12,000	...	1,560	25,154
	Expenditure (rupees in lacs)	2.40	...	0.23	12.55
	Area (Sq. Mtrs.)	...	72,230	40,000	90,995
	Expenditure (rupees in lacs)	...	39.30	28.00	4.26

(3) Rs. 129.84 lacs and Rs. 53.25 lacs have been spent on repairs to roads including reinstatement of trenches and 45,714 sq. Mtrs. and 1,41,677 Sq. Mtrs. of different types of road surface were improved departmentally in City and Suburbs respectively.

(4) 333 works and 1174 works costing Rs. 78.87 lacs and Rs. 277 lacs respectively in City and Suburbs were executed through the Annual Petty Works Contractors.

(5) As usual, an amount of Rs. 2,65,465 was paid to the Bombay Port Trust for cleaning and repairing the Port Trust Wharves and Roads.

(6) Miscellaneous works like repairing, repainting of street name boards, providing new boards, maintenance of public monuments, benches on the footpath and guard railing were undertaken as usual.

(7) While widening Roads 4791 Sq. Mts. land in City and 54,580 Sq. Mtrs. in Suburbs was acquired under setback and compensation claims for set back settled during the year amounted to Rs. 3.49 lacs for City and Rs. 8.20 lacs for Suburbs.

(8) There are 54 road rollers out of which 4 were petrol driven and 44 were diesel driven and steam driven. 6 Steam Rollers were in non-working conditions and were stacked at Khar Depot.

(9) Permits: 4547 Permits in City and 8167 permits in Suburbs were issued for excavation in roads and foot-paths. The cost of reinstatement of disturbed surface was charged to the respective permit holders and the trenches were repaired. Amounts of Rs. 10,711 in City and Rs. 13,333 in Suburbs were recovered as fees for the purpose. 280 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 addition, 894 permits were issued for occupation of roads for erecting mandaps, placing chairs and benches etc. and Rs. 21,373 were realised therefrom. The amount recovered in Suburbs was Rs. 13,072.

(iii) Asphalt Plant and Crushers: During the year, footpaths and roads covering an area of 2,05,155 sq. metres was asphalted at a cost of Rs. 29.37 lacs (Appendix 2).

The Municipal hot mix asphalt plant at Worli was in operation through out the year except during monsoon from July 1976 to October 1976. The Payson Plant mixer worked for taking out Asphalt chip mixture and cold mixed materials required to fill in the potholes in the City and Suburbst. The labourers for running the Asphalt Plant were engaged departmentally.

1,82,584 metres (exclusive of potholes and trenches) of Road and footpath were repaired during the year as against 1,67,256 sq. metres in the previous year.

Different roads admeasuring 22 sq. mtrs. were repaired with 3 sheet Asphalt.

Capital roads admeasuring 107794 sq. mtrs. were repaired by grit coats or chip coats. The seal coating and different miscellaneous works admeasuring about 10290 sq. mtrs. were also carried out.

Different Roads admeasuring 24578 sq. mtrs. were repaired with binder and macadam.

The total turn out by the main and Pegson Plant has been shown in Apendix 4.

There are four crushers and one granulator at Worli, out of which on an average one crusher was working during the year.

(iv) Crusher at Worli: The work of crushing the rubble stones at Crusher was done departmentally. The total output of crushing the rubble during the year was 801.71 brass.

As per Municipal Commissioner's order under No. MCP/4019 of 18-8-1976 the working of Worli Crusher has been closed down from 1-9-1976.

9 PUBLIC STREETS :

(i) Lighting : Electric street lamps including T. D. Bollards and lights on the roads, gardens, on foot over bridges were 22766 in City and 27338 in Suburbs giving an increase of 606 and 2138 respectively over the last year.

The details of the different types of street light lamps having different wattages are as follows (Related to City).

Description	T. F. Lamps	H.P.M.V. Lamps	Fluorescent Lamps	T. D. Bollards	Total
Municipal	108	10,638	113	231	11,090
All-in-Hire	Nil	9,961	1,715	Nil	11,676

Besides, there are 192 lamps of 160 watts special blended lamps provided in the garden and Shivaji Statue at Gateway of India to beautify the place. 34 lights are provided on foot over bridges at Chowpatty, Marine Lines, Kelewadi, Churchgate, Bycula, Dadar, Charni Road Station.

During the year, 5046.386 Kilowatt (load) and 18,15,573 KW (Units) were consumed for maintenance of street lighting through B. E. S. T. Undertaking.

Additional expenditure of Rs. 4,28,874 has been incurred on Erection of new lamps, shifting of street lamps, improvement of street lighting, traffic amenities etc.

Additional expenditure of Rs. 3,74,572.47 was incurred for the rebate given to Bombay Port Trust Authorities as usual due to lighting of 675 Nos. Street lamps on B. P. T. Roads, cotton depots, wharfs, docks and bunders.

As usual important statues were illuminated with flood light and foot top lantern and special blended lamps during the year.

The work of maintenance of street lighting and illumination of statues in Greater Bombay was carried out through B. E. S. T. Undertaking, B. S. E. S. Ltd. and Thana Electric Co. Ltd. who are the sole contractors as per the agreements made with them.

The street lights on 43 roads were converted from 200 Watts T. F. to 80 Watts H.P.M.V. Very few roads are there in the City on which 200 watts T.F. lamps are existing which will be converted to 80 watts M. V. lamps shortly under the conversion programme.

The street lamps on 4 roads were improved by converting 40 watts M. V. lamps to 125 watts M. V. lamps.

The street lamps on 13 roads were improved from 250 watts M. V. lamps to 400 Watts M. V. lamps.

The street lighting was improved at 18 junctions by providing additional street lamps and higher wattage lamps.

The Street lights were provided on 7 new roads constructed during the year under report.

The street lights were provided on more than 2 metre wide passages in 12 slums on Municipal lands under the Slum Improvement Programme.

The temporary lighting arrangements were provided during the Ganpati Immersion Festival at Mahim Creek, Shivaji Park, Dadar, Prabhadevi, Girgaum Chowpatty, Colaba beach and Cuffe Parade beach for safety of general public.

Acrylic (plastic) T. D. bollards were provided on channelizing islands on roads by replacing old M. S. T. D. bollards at 116 places.

Special type of 150-watts blended lamps were provided to illuminate the statue of Chhatrapati Shivaji and Garden in front of Gateway of India.

The yearly maintenance cost of street lighting on all the roads in the City, gardens on the foot over bridges and illumination of statues through B. E. S. T. Undertaking amounts to approximately Rs. 2 crores. The same was Rs. 94.94 lacs in Suburbs and Ext. Suburbs.

(ii) **Removal of vehicles:** Vehicles which were found under repairs or abandoned on public roads or footpaths thereby causing obstruction to traffic and pedestrians, are removed to Municipal custody under Section 314 of the B. M. C. Act. This year, 1294 vehicles were removed to Municipal custody out of which 1150 vehicles were released on payment. Steps are taken to auction remaining 114 unclaimed vehicles.

(iii) **Traffic:** The work of constructing traffic islands, central dividers, R. C. C. railings were carried out on 50 roads at an approximate cost Rs. 8,00,000.

Automatic traffic signals are installed at Nathalal Parkh Marg Junction, Captain P. Petho Marg (Budhwar Park), Dinsha Wacha Road junction Netaji Subhash Road, Sardar Patel Marg Junction Dr. Purandare Marg, Pandita Ramabai Road Junction, Dr. Purandare Marg, Gokhale Road South Junction, Shankar Ghanekar Marg, Appasaheb Marathe Marg Junction, P. Balu Marg (Ravindra Natya Mahdir).

(iv) **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 and resectioning outfall channels and out falls for established proper hydraulic gradient.
- (3) Removing all encroachments on and along covered and opened drains.
- (4) Desilting and maintenance of storm water drains within and passing through their premises.
- (5) Resectioning, regrading and pitching all kutcha drains.
- (6) Providing pumping stations at out-fall of storm water drains etc.

For taking the above measures and co-ordinating these activities effectively a separate S. W. Drain Section has been created under the control of one Dy. City Engineer (S. W. Drains) and the following works are mainly attended to by that Section.

- (1) Survey, preparing plans and estimates for training of nallas, 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 control rooms during the monsoon period.

During the year, 22 estimates for training of nallas, 12 estimates for underground S. W. Drains in Suburbs and Extended Suburbs have been prepared, 14 estimates for S. W. Drains in City have been prepared and 12 works costing Rs. 90 lacs have been completed.

10. PRIVATE BUILDINGS AND STREETS :

(i) **Building Proposals:** 3799 proposals (982 in City and 2817 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 these, 1797 proposals (277 City and 1520 Suburbs) were passed.

Particulars	City	Suburbs
(1) Building Applications received	982	2817
(2) Permits for construction of building issued	418	883
(3) Completion certificate received	277	1520
(4) Buildings dealt with	1259	3327

(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.	37	494	548	10,009
(b) Co-operative Societies.	9	342	192	4,867
(c) Employers for their employees.	3	9	222	240

1203 proposals (460 City and 743 Suburbs) for non-residential buildings were received during the year out of which 862 proposals (421 City and 441 Suburbs) were disposed of and 442 non-residential buildings (45 in City and 397 in Suburbs) have been constructed during the year.

20 proposals for amalgamation (City 1 and Suburbs 19) and 31 proposals for sub-division (1 in the City and 30 in Suburbs) were received and some of them were sanctioned on merit.

Out of 156 proposals received for the commencement certificates in respect of T. P. Scheme areas, 85 proposals have been approved (57 in City and 28 in Suburbs).

(iii) *Improvement of private streets*: Action under the provisions of the B. M. C. Act is taken to improve private streets. Different types of action taken by the Section are as per Appendix 10.

11. MECHANICAL BRANCH.

During the year, Municipal Workshops in City received 1640 fresh jobs. 1479 jobs were completed including 148 pending jobs of previous year. Rs. 25.26 lacs were spent on the departmental works. The upkeep and overhead charges amounted to Rs. 3,03,075 which work out to be 11.991 incurred on labour and stores. The labour strength was about 428. There were 301 working days during the year.

(i) *Machine Shop*: The following works were either in progress or completed—(1) Repairs to the Pump of Purification Works, (2) Specially jobs of large size pumps of L. G. P. Station, (3) Manufacturing of Impellers, C. I. bushings, shafts of pumps and C. I. castings, (4) Complete overhauling of pumps, repairs to the steel furniture of hospitals, lawn movers of garden department, (5) Shaft spindles sheds, brass bushes were manufactured (6) Help to carry repairs to the compressor at Victoria Gardens and for repairs of blowers, etc. at Chandanwadi Crematorium.

(ii) *Boiler Shop*: Major jobs undertaken are of fabrication of refuse bins and hand carts for conservancy department. Repairs to tar boilers, fabrication and repairs to iron hand carts are also undertaken. Children play apparatus for garden department were fabricated in addition to various types of fabrication works of different departments.

(iii) *Carpentry Shop*: The usual works undertaken are repairs to recaning and polishing of the furniture of different departments. Besides, different types of racks, notice boards, benches were manufactured. Hand carts, wooden keys are regular products. Diving boards for swimming pools and some such other special jobs were undertaken. Repairs to seats, sofas of Hospitals and Head Office as also fabrication of wooden trollies for Municipal Power Laundry were undertaken.

(iv) *Municipal Foundry*: 221 jobs were received from Workshop department for the supply of different castings, 9 work orders received from Dy. C. E. (Stores) for the supply of 1000 C. I. manhole frames and covers, foundry has also received 14 work orders from other departments for the supply of 300 C. I. frames and covers and 6 work orders from Dy. C. E. (Stores) for the supply of 350 perforated covers (see Appendix 3.)

Out of 221 jobs received, foundry has completed 213 jobs and 24 jobs of the previous year. It has supplied 1300 manhole frames and covers and 350 perforated manhole covers to Dy. C. E. (Stores) and other departments, against the guarantee of 600 frames and covers per year (Appendix 3).

(v) *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 barrowes was carried out.

(vi) *Design Section*: Mechanical Design Section prepares estimates, blue prints and specifications for machinery, furniture and mechanical equipments and invites tenders and sealed quotations for all types of mechanical jobs for Municipal Departments. It also helps the other mechanical and electrical sister departments in carrying out their works.

Important works were executed during the year.

1. Fabrication and supply of bottomless refuse bins for H. S. department.
2. Supplying wooden Rabbit Traps for B. Y. L. Nair Charitable Hospital.
3. Manufacturing and supplying Swivel type wheeled wooden hand carts for H. S. Department.
4. To fabricate and supply 10 Ton capacity L. P. Gas Tanks for L. T. M. G. Hospital, B. Y. L. Nair Charitable Hospital, K. E. M. Hospital, G. T. B. Hospital and Harilal Bhagwati Hospital, Borivli.
5. Manufacturing and supplying double wheel iron hand carts for Ward Officer A Ward and Dy. C. E. (S. W. D.).
6. Manufacturing and supplying dissection tables for the Anatomy Department at B. Y. L. Nair Charitable Hospital.
7. Polishing wooden furniture and spray painting steel furniture.

General Repairs Works.

Collapsible Gates.	..	150	Mutton and beef stall.	..	120
Rolling Shutters.	...	55	Steel windows.	..	2100
M. S. Man gates	...	56	Carpenter Jobs	...	95
M. S. Storage Tanks	...	275	Other Miscellaneous works	...	360

Special Works

1. Demolition of old steel bridge at Old Marine Lines Station.
2. Preparing one Tilting gate at Dharavi Dumping Ground.
3. Repairing and refixing one vent shaft.
4. Removing and repairing 5 cooling towers at L. T. M. G. Hospital and K. E. M. Hospital.
5. Removing 2 market sheds at Lower Parel Market.
6. Removing the fallen chimney of Asphalt Plant, Worli.

(vii) *Municipal Power Laundry*: The Laundry washed 65,70,999 linen of 45 medical institutions and 2 other Municipal departments at the rate of Rs. 50 per 100 pieces of linen.

12. ELECTRICAL BRANCH

The activities of the different Sections of the Electrical Branch were as under:—

(i) *Planning and Design Section*: This Section deals with the preparation of Estimates, Invitation and recommendation of Tenders, Execution of contract for major electrical works in the newly constructed and old Municipal Buildings under the Loan Works programme in the City, Suburbs and Extended Suburbs.

During the year some of the tenders were invited jointly with the Civil Tenders for synchronization of electrical and civil works. For details as regards preparation of estimates, awarding contract please see Appendix 5.

(ii) *Building Construction Section*: This section supervises the execution of major works in different zones for which contracts were awarded by the Planning and Design Sections. Details are provided in Appendix 8.

(iii) *Plant and Machinery Section*: This section carries out repairs and maintenance of Electrical Machinery and Electrical works in the existing Municipal properties.

Area.	Works orders received.	Carried out through Department.	Cost thereof.	Carried out through contract.	Cost thereof.	Estimates prepared.	Cost thereof.
City	902 (+ previous outstanding)	856	Rs. 7,28,413	105	Rs. 1,82,710	54	Rs. 5,63,474
Suburbs.	250	...	8,67,000	..	2,08,000	181	17,70,000

(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 130 estimates amounting to Rs. 16,96,834 prepared and works of electrifications providing pumping sets, providing electric fans, fittings, clocks etc. amounting to Rs. 9,85,784 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 contracts and supervision of contracts in respect of works for purchase and installation of air conditioning and Refrigeration Machinery under Loan Works Programmes as well as under the Revenue Budget for City and Suburbs. Moreover, the works pertaining to repairs, maintenance and servicing of existing air conditioning and refrigeration machinery in the City, Suburbs and Extended Suburbs is also looked after by this Section. The works of Repairs/Maintenance are carried out through private agencies by inviting quotations and by entering into service contracts. A beginning has, however, been made from this year to attend departmentally to the work of servicing and maintenance of the equipments, located at major Municipal establishments (See Appendix 7)

13. TRANSPORT BRANCH

The Transport Department is entrusted with the maintenance and operation of vehicles for all the Municipal Departments. There were 709 vehicles and 99 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 :—

Name of the services.	No. of vehicles.		No. of Trailers. (City).
	City.	Suburbs.	
(1) V. I. P. Cars—Staff Cars & Committee Cars ..	26	..	Nil.
(2) Committee Buses & M. S. Agenda circulations ..	12	..	Nil.
(3) Health Services (Ambulances hearses, Mobile Health Unit vehicles, school, health & Blood collection vehicles etc.) ..	85	50	Nil.
(4) Conservancy Services (refuse removal etc.) ..	89	186	87
(5) Meat Van Services. ...	61	...	...
(6) Encroachment removal vans. ..	13	23	..
(7) Others ...	...	50	...

14. DEVELOPMENT BRANCH.

(i) *Preparation of Development Plans* : As provided under Section 38 of Maharashtra Regional and Town Planning Act, the existing Development Plan is due for revision and the work of the same is taken in hand. Advisory Committee of various experts has been formed to give guidelines for revision. The Advisory Committee has appointed a Technical Group.

As per the recommendations of the Advisory Committee for the Revision of Development Plan appointed by the Government of Maharashtra, Appraisal Report of the Development Plan to assess the achievement during 1974-1975 was prepared which comprises charts and graphs.

As per the directions of the Technical Group of the revision of Development Plan, amenity plans for various civic amenities like existing and proposed Municipal Schools, Maternity Homes, Hospitals and Markets were prepared to assess the progress made and need in future.

Plan showing population distribution and jobs are prepared for entire Greater Bombay.

An elaborate format for existing Land Use is designed.

Layouts for two new Commercial Complexes for Eastern and Western Suburbs are prepared.

Existing Land Use Plan for Dharavi admeasuring 472 acres and plan showing ownership of land in Dharavi is prepared.

The team of tracers have completed the tracing of all the Cadestral Survey Sheet numbering about 700 to a scale of 1:500.

Index plans for Survey sheets of Suburban areas are prepared.

Development Plans for A, D, F, E, G/North and G/South Wards are retraced.

Existing Land Use Maps from Land Use Survey for 'C' Ward are prepared.

Plans showing Census Section and Census circles are prepared.

As regards implementation of the Development Plan already sanctioned in 1967, no new proposals were received from the Government giving directive under Section 37 of the Maharashtra Regional and Town Planning Act 1966, for modifying the Development Plan during the year.

With a view to modifying the Development Plan in cases of discrepancy, and on representation from the owners and Councillors, 18 proposals for modification of reservation under Section 37 as also for deletion of the reservation under Section 50 of the Act, were approved by the Corporation and forwarded to the State Government seeking the Government sanction for the proposed modifications of Development Plan.

Development Plan roads and reservations were demarcated on site at the instance of private parties, architects, Government and Municipal Departments. Acquisition proceedings in connection with certain lands required to be acquired for implementing the Development Plan proposals are in progress.

Some members of the staff were deputed either to attend the Seminars or Study Course so as to gain knowledge in regional development planning.

(ii) *Acquisition of lands*: Eleven properties were acquired by negotiation and 2 properties were acquired through Land Acquisition Proceedings during the year. Award was made by Special Land Acquisition Officer in respect of three properties. Proceedings under Land Acquisition Act in respect of 235 properties and by negotiations in respect of six properties were in progress. Set back land rates in respect of 59 set back cases were fixed for making payment of compensation of land acquired for widening of various roads and lanes and standard rent in respect of 56 Municipal properties was fixed.

15. TOWN PLANNING SCHEMES

Within the limits of the City proper, the Schemes are as under :—

- (1) Town Planning Scheme, Bombay City No. I (Mandvi and Elphinstone Estate)
- (2) Town Planning Scheme, Bombay City No. II (Mahim Area).
- (3) Town Planning 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 (Final) (1st Varied) Award.
- (4) Town Planning Scheme, Bandra No. IV (1st Varied) (Final).
- (5) Town Planning Scheme, Bandra No. V (1st Varied) (Final).
- (6) Town Planning Scheme, Bandra No. VI (1st Varied) (Final).
- (7) Town Planning Scheme, Bandra No. X (Principal) (Final).
- (8) Town Planning Scheme, Santacruz No. I (1st Varied) (Final).
- (9) Town Planning Scheme, Santacruz No. II (1st Varied) 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. IV-IVA (1st Variation) (Final).
- (18) Town Planning Scheme, Vile Parle No. VI (1st Variation).
- (19) Town Planning Scheme, Andheri No. 1 (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. I (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 12-3-1976 as required under Section 68(1) of M. R. & T. P. Act 1966. The same is sanctioned by the Government on 10-1-1977, and the Arbitrator has been appointed on 4-5-1977 under Government Notification No. TPE-1176/770-UD. 5 dated 18-2-1977.

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 62 (1) of M. R. & T. P. Act, 1966 vide Government Notification No. TPB-1376/3297-UD. 5 of 2-2-1977 and has come into force from 1-5-1977.

Town Planning Scheme which are before the Town Planning Officer (i.e. the Arbitrator under the Maharashtra Regional & 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 Varied).

16. CONSERVANCY BRANCH

Conservancy Branch is under the control of Head Supervisor and it is overall supervised by Dy. City Engineer (Mechanical and 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 removed in City was approximately 6.42 lacs tonnes, average per day being 1,761 tonnes. The figures for Suburbs and Extended Suburbs were 2.88 lacs tonnes and 791 tonnes respectively.

(ii) **Transportation of refuse:** The refuse, collected in street cleansing operations as well as from the residential premises was regularly removed by engaging mechanical traction. Along with Municipal vehicles, vehicles on contract are also employed for the purpose. Vehicle shifts employed for removal of refuse during the year were as under:

Area.	Municipal vehicle Shifts.	Vehicle shifts on contract.	Ratio.	Refuse transported.
(1) City	24,054	1,04,167	19 : 81	6.42 lacs tonnes.
(2) Suburbs	27,934	31,871	47 : 53	2.88 lacs tonnes.

About 1370 (82,334 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 K. D. Railway.

(iii) **Disposal of Refuse:** The final disposal of refuse was carried out by reclaiming low lying land at Deonar and Dharavi in the City and Chincholi and Gorai in Suburbs. Total refuse dumped at Dharavi from City and new Suburban Wards was 5.58 lacs tonnes and at Deonar 99,469 tonnes. For Suburbs the figure is 1.65 lacs tonnes.

(iv) **Collection Removal and Disposal of Night Soil and Cesspool:** Night soil collection and disposal service was rendered to 6067 basket privy seats (371 in City and 5696 in Suburbs) and 26022 litres quantity of Night Soil was removed daily (22 K. L. in City and 26000 K. L. in Suburbs). In the Suburbs 2,678 cesspools were attended and 1,08,918 clearances given and total cesspool content of 4.56 lacs Kilo Litres were removed giving an average of 1248 Kilo Litres per day. Removal of Night Soil and Cesspool contents was done by the Municipal Cesspool vehicles making approximately 65 vehicles shift per day (6 in City and 59 in Suburbs).

(v) **Public and Private Latrines and Urinals:** During the year, 206 P. S. Cs. with 984 W. C. Seats and 738 Urinal Seats in City and 745 P. S. Cs. with 5693 W. C. Seats and 434 Urinal Seats in Suburbs were maintained. 69 public Sanitary Conveniences with 21 W. C. seats and 41 Urinal stalls and 19 Urinal Blocks with 87 Urinal stalls were constructed during the year.

(vi) **Prevention of Nuisance:** 7479 cases in City and 5351 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. 72,202 were recovered as fine. During the year 5,111 cases in City and 3248 cases in Suburbs were made under Section 372(B) of Bombay Municipal Corporation Act and Rs. 46,293 and Rs. 31,859 were recovered as fine respectively in City and Suburbs.

(vii) **Removal and disposal of Dead Animals:** 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. 40,958 dead animals were removed.

(viii) **Conservancy and Special Halalkhore Services:** These services were rendered to Circuses, Exhibitions, Big concerns, Industrial Establishment etc. on payment of scheduled charges. An amount of Rs. 14.84 lacs was received for rendering Conservancy services. For cleaning of Government Foreshores; a sum of Rs. 1,64,840.70 has been recovered from the Collector of Bombay.

(ix) **Conservancy staff Quarters in City:** 253 Labour chawls with 5954 tenements were looked after and maintained for housing Conservancy staff. Two new chawls were constructed and allotted during the year. Out of 13664 employees entitled to free housing about 37% have been provided with accommodation.

(x) **Labour Welfare:** 20 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 6,850 members for the benefit of the labour employees of the Branch. The Share Capital subscribed was Rs. 39,24,315. The working of the Co-operative Credit Societies was satisfactory.

(xii) **Expenditure on Conservancy Services:** The total expenditure incurred on Conservancy Services in City for garbage cesspool and P. S. Cs etc. during the year was Rs. 6.71 crores out of which Rs. 6.31 crores was for clearance transportation and disposal of refuse of 6.42 lacs tonnes. The expenditure on Halalkhore Services was Rs. 39.64 lacs. In Suburbs the amount spent was Rs. 290.23 lacs.

(xiii) **Removal and disposal of Refuse at Deonar Dumping Ground:** The Municipal Corporation had acquired 333.20 Hectors of land being the property of Mr. A. C. Cama at Chembur and this plot is being used for disposal of town refuse. So far about 212.12 Hectors of land has been reclaimed by dumpign refuse brought from Mahalaxmi Siding. This year 5.7 Hector of land is reclaimed.

The major portion of City refuse from 'A', 'B', 'C', 'D' Wards is generally collected at Mahalaxmi Siding and the same is transported by Railway's wagons to Chembur. 18 Refuse wagons per trip of train were sent to Deonar for unloading on low-laying area. The refuse from remaining City Wards is directed to Dharavi Dumping Ground by lorries.

The work was carried out departmentally upto 31st July 1976.

(vi) **Expenditure (K. D. Railway.)**

	Rs.
1. Haulage charges	4,39,368
2. Detention charges	2,761
3. Hire Charges	56,103
4. Maintenance of Siding at Chembur	700
5. Wages of Pointsman of Central Railway	7,817
6. Wages of Supervisory and Labour Staff	7,95,952
7. Amount paid to Contractors and spend for Departmental Works	7,67,094
8. Miscellaneous	1,495
Total	20,71,290

Statement showing the Expenditure per Metric Tonne of Refuse:

Serial No.	Particulars.	1975-76.	1976-77.
1	Number of refuse wagons received at Deonar	9,518	11,566
2	Quantity of refuse on an average of 17 M. T. per wagon	1,61,806 M. T.	1,96,622 M. T.
3	Cost of haulage and Detention	3,95,592	4,98,233
4	Cost of unloading wagons	5,40,741	7,67,094
5	Cost of Metric Tonne of refuse	5.79	6.44
6	Cost per Metric Tonne of refuse for entire expenditure	8.72	10.40

Position of Wagons as on 31st March 1977.

	Municipal	Hired	Total
1 Running Wagons	29	23	52
2 Breakdown Wagons in running condition	4	Nil	4
3 Sick Wagons	1	2	3

Some wagons were hired from Western Railway and the hire charges were Rs. 5.40 per wagon per day. The cost of maintaining Mahalaxmi siding was Rs. 53,755.14.

17. CONSTRUCTION OF ROADS.

The Appraisal Mission of the World Bank considered the financial assistance from the World Bank for Road Planning and execution, for effective utilisation of the World Bank's financial assistance and advised to establish Road Branch under Dy. C. E. (Roads). Accordingly, this branch has been formed as a centralised agency with a view to have a prospective planning of entire traffic system within Greater Bombay Area.

With the sanctioning of substantial loan of U.S. \$4.54 Million to the Corporation by the World Bank, a separate unit under Dy. C.E. (Urban Transport Project) has also been established since March 1977 mainly for executing over 34 projects of Fly overs, sub-ways, foot over bridges, channelisation etc. costing Rs. 10.38 crores as identified by the world Bank for financial assistance for the duration of the project execution. Certain additional work such as Bridge Planning, Nalla Training, Underground S. W. Drains are also assigned to this Unit.

This Branch is in charge of:

(i) Preparing Plans and Estimates and resurfacing of existing roads, construction of new roads widening of roads, improving private streets in City.

(ii) Invitation of tenders and awarding contracts of roads works.

(iii) Technical guidance for road works in progress.

(iv) Invitation of tenders for the supply of road metals, quarry materials, bitumen rubble pillar powder, coarse sand, transporting of bulk bitumen and awarding contracts for the same.

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.

18. BRIDGE SECTION.

Particulars	Details of Plans and Estimates prepared	
	City	Suburbs.
1 Contract plans	...	...
2 Paper Tracing	50	7
3 Blue Print Copies	600	125
4 Block Estimates	10	3
5 Amount of Block Estimates	Rs. 6 Crores	Rs. 3 Crores
6 Detailed plans and estimates	5	2
7 Amount of Detailed estimates	Rs. 5 crores	Rs. 1 Crore
8 Works awarded to Contractors	3	...
9 Works entrusted to Railways	2	—
10 Detailed estimates in hand	6	4
11 Scrutiny of plans received from—		
(a) Railways	3	...
(b) Ward, Zonal Officers & Project (Sewerage)	1	...
(c) Private Parties	1	2
12 Scrutiny of estimates received from Railways	2	...

19. PRODUCTIVITY UNIT.

The Productivity Unit is under the control of Dy. City Engineer (Productivity).

The main objective of the Unit is to suggest ways and means of increasing the overall efficiency of the organisation. This objective is achieved by—

- Suggesting the 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 techniques 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 handouts.
- Providing library facilities to the employees to keep abreast with the upto-date knowledge in their fields.

These functions are being performed by the Officers of this Unit who are drawn from the various departments and are specially trained in the various fields of Productivity Science.

Besides, the work of re-organisation of all departments of the Corporation entrusted to this Unit, is also in progress.

The major achievements in the year are:—

- 37 major project studies pertaining to various departments were carried out to streamline the existing methods and to ensure optimum utilisation of the resources.
- 60 training programmes comprising of Induction Training, Supervisory Training, Job Training and Managerial Training were carried out for various levels of the organisation.
- 56 Manuals 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.
- The library is provided with additional 160 new books on Management, Computer Science Engineering and allied fields. Strength of the membership of the library is also increased from 526 to 650.

T. K. SANTOKE,
City Engineer.

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.

Serial No	Name of the works	Expenditure
1	2	3
(a) Housing.		
<i>Zone—I</i>		
1	106 Tenements and 13 shops at Worli Hill Estate	16.63
2	45 T/S at Walpakhadi	7.51
3	50B T/S at Sahakar Nagar, Wadala	6.79
4	3 Works below Rs. 5 lacs	6.57
	Total	37.50
<i>Zone II and Zone III</i>		
		Nil.
(b) Building other than Housing.		
<i>Zone—I</i>		
1	School building at Mahalaxmi	6.93
2	School building at Talchekarwadi	10.81
3	Medical College Bldg. at L. T. M. G. Hospital, Sion	60.88
4	Superstructure work of Kitchen & mortury Blocks at B. Y. L. Nair Hospital	7.17
5	16 Works below Rs. 5 lacs	8.36
	Total	94.15
<i>Zone—II.</i>		
1	Expension of Municipal School Bldg. at Kher Nagar, Bandra	15.59
2	Hospital-cum-maternity Home with Qrts. for Staff at Plot No. 34 T. P. S. III Santacruz	43.00
3	Fire Station at Poisar Kandivali	17.39
4	School Bldg. at Rajada Nagar, Borivli	20.00
	Total	95.98
<i>Zone—III.</i>		
1	Municipal Market at Chembur Naka	8.58
2	Meat van garage at Deonar, Slaughter House Phase—II.	14.57
3	4 live stock market sheds at Deonar Slaughter House	6.17
4	9 Works below Rs. 5 lack	14.86
	Total	44.18

B—Works in progress.

(Rs. in lacs).

Serial No.	Name of the work.	Estimated cost (excluding 2½% supervision)	Expenditure incurred so far.
1	2	3	4
(a) Housing.			
<i>Zone—I.</i>			
1	169 T/S at Kamatipura	20.24	18.60
2	50 T/S at Dadasaheb Falake Road	12.15	5.15
3	S/S. Work of remaining municipal Bldg. (4A type bldgs. B type bldgs. & C type bldgs.) in municipal Colony at Khan Abdul Gafar Khan Road	44.34	6.18
4	45 Tenements at Morachi Wadi	6.22	0.82
	Total	82.95	31.11
<i>Zone—II.</i>			
1	240 Tenements at Land, Kandivali (West) Powell's	34.00	28.49
2	324 tenements and 12 shops at Powell's land, Kandivali (West)	35.32	19.02
	Total	69.32	47.51
1	300 tenements at Deonar	41.61	26.12
2	600 tenements at Deonar Slaughter House	82.82	7.49
(b) Buildings other than Housing.			
<i>Zone—I.</i>			
1	School Bldgs. at Stable Street at Kamathipura	17.22	16.77
2	School Bldgs. at N. M. Joshi Marg	15.43	13.38
3	School Bldg. at Curry Road	21.60	14.88
4	Extn. to Dental College Bldg. at Nair Hospital	33.58	9.13
5	Addl. 3 floors over Muni. Head Office Annexe	34.42	32.70
6	School Bldg. & F/N Ward Office at Khoja Ozphanage property Dadar, Matunga, Estate	25.52	14.98
7	School Bldg. at Sahakar Nagar, Wadala	20.71	1.72
8	Public auditorium at Sewri Crusher	8.30	5.64
9	Centralised G/S. Ward Office Bldg. at N. M. Joshi Marg	22.25	2.95
10	School Bldg. at 2nd Pinkhana Street	12.90	10.54
	Total	281.45	122.69
<i>Zone—II.</i>			
1	Superstructure for School Bldg. at Narli Agripada, Khar (West)	9.40	1.48
2	Drama Theatre. at Mor Bundglow, Vile Parle (East)	44.18	23.99
3	Superstructure for Medical Staff and Nurses Quarters at Dr. R. N. Cooper Hospital	50.75	43.62
4	Centralised Muni. Office building for 'K' Ward Offices at S. V. Road, Andheri (West)	31.00	12.44
5	A swimming pool at Sidharth Nagar, Goregaon (W)	13.63	5.46
6	Expansion of Muni. School Bldg. at Pahadi Village, Goregaon (East)	21.29	14.74
7	School bldg. at Quarry Road Malad (East)	22.39	14.87
8	School bldg. at Sodawala Lane, Borivali	24.11	21.00
	Total	318.09	137.60

Zone—III

1	Completing the incomplete work of repairs garage at S. G. Barve, Marg, Kurla	5.88	1.34
2	School building at Kasaiwada, Kurla	17.96	8.98
3	School building at Kannamwar Nagar, Hariali Village, Vikhroli	26.11	2.96
4	Maternity home at Barve Nagar, Ghatkopar	27.84	14.44
5	Maternity home and dispensary Mahatma Phule Road, Mulund	30.82	13.61
6	Municipal School building at Goshala Road, Mulund	34.42	15.70
7	Extension to Maternity Home at Bhandup	14.26	4.36
8	School building at Moreshwar Patankar Marg, Kurla	13.07	...
9	Centenary Hospital at Govandi	17.64	8.76
10	School building at Labour Camp., Chembur	15.94	6.22
11	Cemetery at Deonar	11.28	1.84
12	Additional floor over School building at Barve Nagar, Ghatkopar	6.99	1.79
		...	80.29
		228.96	...

APPENDIX No. 2

Statement showing details 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)	Repairs with Binder, Semidense Asphaltic etc.	24578	4.09
(2)	Asphalt Roads repairs with chip coat G. Coat Surface Coat etc.	107794	16.34
(3)	Bitumenous Road repaired	50212	5.85
(4)	Miscellaneous work carried out	10209	1.25
(5)	Potholes repaired	12362	2.04
	Grand Total	205155	29.57

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 castings	Quantity	Weight in kg.	Rate	Per	Amount
				Rs.		Rs.
(1)	C. I. Manhole frames and covers complete	1300	312000	300.00	Each	3,90,000
(2)	Perforated Manhole Covers	350	29750	150.00	Each	52,500
(3)	G. I. Machinable castings	Lot.	45000	4.00	Each	1,80,000
(4)	C. I. Non-machinable castings	Lot.	20000	2.50	Each	50,000
(5)	G. M. Casting 87-7-3-3	Lot.	3600	35.00	Each	1,26,000
(6)	Brass Castings	Lot.	800	25.00	Each	20,000
(7)	Cooper Castings	Lot.	600	45.00	Each	27,000
(8)	Other Items	...	...	...	...	20,752
				Total	...	8,66,072

APPENDIX No. 4

Statement showing the details of asphalt plant production

	Main plant		Pegs on plant	
	K. G.		K. G.	
(1) Asphalt concrete	...	16,60,410	...	...
(2) Binder	...	1,72,670	4,590	...
(3) Surface	...	53,82,690	...	...
(4) Chip Coat	...	21,73,140	5,23,230	...
(5) Grit Coat	...	21,73,140	...	...
(6) Premix 1"	...	3,99,830	5,69,600	...
(7) Premix 1/2"	...	8,63,520	28,17,120	...
		<u>1,28,25,400</u>	<u>39,14,540</u>	

APPENDIX No. 5

Statement showing the details of works carried out by Electrical Planning and Design Section
(Amount shown in lacs)

Serial No.	Item	Estimates Prepared		Amount		Contract Awarded		Amount			
		City	Subs.	City	Subs.	City	Subs.	City	Subs.		
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
(1)	School	8	19.00	16.13	27.64	Civil Elec.	2.00	7	Civil Elec.	5.11	6.50
(2)	Housing	12	4.00	14.20	5.31	Civil	8.00	2	Civil	6.78	3.24
(3)	Lifts	17	14.00	30.00	21.62		Nil.			Nil.	
(4)	Hospital, Dispensary, Nurses Quarters, etc.	5	7.00	7.22	19.36	Civil Elec.	1.00	1	Civil Civil	2.71	2.13
(5)	Markets	2	6.00	2.59	4.04	Civil	2.00	3	Civil	2.31	3.00
(6)	Offices	19	8.00	33.34	27.02		1.00	1		2.84	28.00
(7)	Miscellaneous											5.00	2	1.94	7.43
	Total	63	58.00	103.98	104.99		19.00	16	21.69		51.80

APPENDIX No. 6

Statement showing the works carried out by Road Branch (City & Suburban) during the year.

Particulars	Completed work				Work in progress				
	No.		Actual cost (Rs. in Lac.)		No.		Estimated cost (Rs. in L. c.)		
	City	Subs.	City	Subs.	City	Subs.	City	Subs.	
(1) Road surfacing work in asphalt concrete	6	8	65.88	40.00	5	...	97.00	...	
(2) Road surfacing in cement concrete	...	8	...	...	1	...	2.17	...
(3) New Roads including S. W. Drains	6	16	27.00	137.00	7	12	93.00	193.00	
(4) Road widening	3	15	24.00	105.00	2	16	24.22	428.00	
(5) Any other works	6	16	36.18	76.00	7	8	253.52	99.00	
Total	...	21	55	153.06	358.00	22	36	469.91	720.00

APPENDIX No. 7

Statement showing the details of work carried out by electrical refrigeration section
City and Subs.

(Amounts shown in lacs)

Sr. No.	Natural of Proposal	Estimate prepared		Contracts Awarded		Works completed		Works in progress					
		Nos.	Amount	Nos.	Amount	Nos.	Amount	Nos.	Amount				
		City	Subs.	City	Subs.	City	Subs.	City	Subs.				
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				
A) Loan Works													
Supply & Installation of :													
(a)	Water cooled Central Plant	2	2	2.70	31.40	1	1	1.63	6.70	1	1	1.63	6.70
(b)	Water cooled Packaged Plant	4		6.56									
(c)	Air cooled adaptomatica	7	4	19.25	3.88	4	5	6.29	3.55	2	2	2.10	0.65
(d)	Condensing units for Mortuary		1		2.20							1.72	
(e)	Window Model A/C units	12		2.50		9	2	4.66	0.65	8	2	1.72	0.65
(f)	Low temperature units	1	2	0.60	1.08		1		0.46				
B) Revenue works													
	Other allied. Miscellaneous works	14	5	1.35	0.65	17	4	2.92	0.08	15	3	0.94	0.07
Total		40	14	32.96	39.21	31	13	15.50	11.44	25	7	4.76	1.37

APPENDIX No. 8.

Statement showing details of works carried out by building construction
(Electrical Section)

(Rs. in lacs.)

Serial No.	Description of work	Works completed	Actual expend.	Works in progress	Expenditure upto 31-3-1977
			Rs.		Rs.
Electrification of providing electrically driven water pumping sets at—					
1	Schools—				
	Zone I	1	1.07	6	5.70
	Zone II	3	3.24	2	2.12
	Zone III	5	2.95	4	1.43
2	Ward Offices—				
	Zone I			1	1.68
	Zone II			1	
	Zone III	1			
3	Hospitals Dispensaries Maternity Home—				
	Zone I	4	9.28	2	
	Zone II	1	2.90	1	
	Zone III			3	1.72
4	Markets—				
	Zone I	2			
	Zone II	Nil		Nil	
	Zone III	1			
5	Housing—				
	Zone I	7	5.14	3	1.53
	Zone II	1		2	1.09
	Zone III	1		1	1.41
6	Garages—				
	Zone I				
	Zone II				
	Zone III	1	1.51	1	
7	Welfare Centres—				
	Zone I	1		1	
	Zone II				
	Zone III				
8	Lifts—				
	Zone I	1			
	Zone II	5	5.78		
	Zone III	3	2.99		
9	Cemetaries—				
	Zone I				
	Zone II				
	Zone III	1			
10	Fire Brigade—				
	Zone I	1		1	1.75
	Zone II	1	1.87		
	Zone III	1	1.00		
		42	37.73	29	18.44

APPENDIX No. 9

Statement showing the road construction works completed and those in progress

(Works costing Rs. 1 lac. and above)

A.—Works completed.

Serial No.	Name of the work	Expenditure Rs. in lacs.
Rs.		
I.—Road resurfacing in asphaltic concrete		
CITY		
1	Reinstatement of trenches and resurfacing Senapati Bapat Marg between Ranade Road and Jawle Marg	2.81
2	Reinstatement of trenches taken for laying 1800 mm. water main and resurfacing western carriageway on Senapati Bapat Marg between Jagannath Bhatankar Marg and Dr. E. Moses	28.59
3	Widening and resurfacing of Mori Road Mahim in asphaltic concrete	4.88
4	Resurfacing with asphaltic concrete Sardar Balwantsingh Dhondy Marg from Mazgaon T. T. to Jamshedji Jijibhoy Road	8.05
5	Resurfacing with asphaltic concrete Mirza Galib Marg from Byculla Bridge junction to Hasarat Mohani Chowk	4.56
6	Resurfacing Lady Laxmibai Jagmohandas Marg (Nepean Sea Road)	16.99
	Total	65.88
SUBURBS		
1	Improving the bad patches in the surface of the carriageway in asphaltic concrete of L. B. S. Marg from Sion to Premier Road, Kurla	7.22
2	Do. from Premier Automobile Road to Karani Lane Ghatkopar	33.99
3	Do. from Karani Lane, Ghatkopar to Bhandup	5.66
4	Improving and resurfacing asphaltic concrete V. N. Puroo Marg from Burmah Shell Bridge to Diamond Garden	5.86
5	Do. Do. from Diamond Garden to Govandi Station Road	5.50
6	Do. Do. from Govandi Station Road to Bombay Panvel Road	9.97
7	Resurfacing the existing carriageway of M. G. Road and N. S. Road between P. K. Road and Dr. R. P. Road	1.65
	Total	39.85
II.—Construction of new Roads including S. W. Drain		
CITY		
1	Private Street in Tokarsi Jivrajwadi between T. J. Road and Sewri Cemetery Road	7.83
2	9.14 M. wide road including open drain at Transit Camp, Sion, Koliwada	8.75
3	Cutting high ground extension of loop road and improvement of existing road at Dharavi Dumping Ground	4.24
4	18.29 M. wide road with S. W. D. from Duncan Causeway to Chunabhatti Station	2.91
5	Proposed 12.2 M. wide road behind Paradise Cinema	1.83
6	Extension of 18.3 M. wide road from Dharavi to Mahim connector	1.43
	Total	26.99

No.	Name of the work	Expenditure Rs. in laacs
SUBURBAN		
1	Extension of 18.30 M. D. P. Road from Navghar Road to E. E. Highway Mulund	2.73
2	Remaining portion of work of providing S. W. Drains along the Roads including construction of cross culverts at Subhash Nagar Chembur	1.97
3	Remaining portion of work of providing S. W. Drains along the roads at Sahakar Nagar Chembur	1.99
4	Providing S. W. Drains in Chembur Camp on the North and South Side of Koliwada Borla, Road	6.06
5	9.15 M. service road on West at W. E. H. from V. P. Nehru Road to Vile Parle Sub-way Part—I	11.60
6	9.15 M. service road on East at W. E. H. from V. P. Nehru Road to Vile Parle subway Part—III	11.70
7	9.15 M. service Road on West of W. E. H. from Vile Parle subway to Santacruz, Nehru Road Part—II	8.86
8	9.15 M. service Road on East of W. E. H. from Vile Parle sub-way from Santacruz Nehru Road Part—IV	9.08
9	9.15 M. service Road on West of W. E. H. from Vile Parle Nehru Road from Hanuman Road, Vile Parle, East	14.85
10	100' Road in S. No. 106-A, J. V. D. Scheme, Andheri (West)	31.06
11	Parsi Panchayat Road joining to Hindu Friends Society, Andheri (East)	6.43
12	Road along Tansa Vaitarna Mains between A. K. Road and Sahar Road	4.50
13	30' wide service road on both sides of Express Highway between sub-way and Daftary Road, Malad.	13.28
14	Road from 12' Road to Mudh Temple at Madh Island	5.45
15	Providing and laying proposed U. G. S. W. D. at M. H. B. Bandra Reclamation Scheme, Bandra (West)—Part 'A'	7.25
	Total	136.81

III.—Road widening

CITY

1	Adding set backs any where in 'D' Ward 1975-76—	
	(a) C. S. No. 323 B. G. Kher Marg.	
	(b) C. S. No. 599 L. G. Jagmohandas Road.	
	(c) C. S. No. 488 L. G. Jagmohandas Road.	
	(d) C. S. No. 288 L. G. Jagmohandas Road.	
	(e) C. S. No. 1/1487 and 1/1487 Maharshi Karve Road.	
	(f) C. S. No. 165, J. Mehta Road.	
	(g) Setback of Somerseth Palace Sophia College Road	10.01
2	Adding setbacks in 'D' Ward	
	(a) Winter Road.	
	(b) Mangalwadi.	
	(c) Ridge Road footpath works only.	
	(d) Tardeo Road footpath works only.	
	(e) Haji Ali to Tulsiwadi footpath works only.	
	(f) Bhatia Hospital	7.42
3	Adding setbacks any where in F-South Ward 1975-76—	
	(a) Setback at J. Bhatankar Marg—Madkebuwa Chowk.	
	(b) G. D. Ambekar Marg, Dabholkar Adda.	
	(c) Moon Mills Compound—Gollandaji Hill Road	
	(d) S. S. Rao Road near Gandhi Hospital	6.16
	Total	23.59

No.	Name of the work	Expenditure Rs. in lacs
SUBURBAN		
1	Widening and improving R. C. Marg from Chembur Naka and Burmah Shell level crossing and providing S. W. Drains	3.87
2	Widening and improving Wadhavali Village Road from Sion Trombay Road to Koliwada Borla Road	5.12
3	Widening and improving Nahur Village Road in grouting from Nehru Road and to the Jn. of D. P. Road and providing S. W. Drains at Mulund	1.04
4	Widening and improving R. B. Mehta Marg and providing S. W. Drains at Ghatkopar West.	4.64
5	Widening and improving of Roads in and providing S. W. Drains in T. P. S. II, Ghatkopar.	2.35
6	Construction of 27.43 M. wide D. P. Road at Nehur Nagar, Kurla (East)	3.66
7	Improving Hemu Talani Marg from E. E. Highway to the junction of R. C. Marg and providing S. W. Drains	2.30
8	W/I Mathuradas Vasanji Road between proposed 13.41 M. D. P. Road and proposed 23.77 M. D. P. Road and providing S. W. Drains	3.50
9	W/I Peripheral Road around Slaughter House, Deonar.	7.31
10	Improving of 60 Road in J. V. D. Scheme North of Irla Nalla	23.56
11	Improving of 100' Road in J. V. D. Scheme North of Irla Nalla	12.66
12	Widening and improving of Beharam Baug Road, Jogeshwari	13.38
13	Improving and widening of Irla Society Road, Vile Parle (West)	6.03
14	Widening and improving Ceaser Andheri (West)	14.78
		104.20
IV.—Other works		
CITY		
1	Desilting of S. W. Drains in City Part—I	8.61
2	Desilting of S. W. Drains in City Part—II	8.49
3	Construction of trapezoidal open drain of 1.07X1.37 M. long periphery of the transit camp at Sion Koliwada	5.28
4	Proposed extension across Maharashi Karve Road of Railways existing Sub-way Churchgate	5.46
5	Further works of desilting existing S. W. Drain in City	8.14
	Total	35.98
SUBURBS		
1	Construction of superstructure for foot over bridge across E. E. Highway connecting Tagore Nagar and Kannamwar Nagar.	3.58
2	Reinstatement of trenches for the work of laying Trombay Inlet on V. N. Purav Marg, Chembur	1.46
3	Construction of culvert and S. W. Drains at Izac stables etc. at Andheri (East)...	7.01
4	Construction and training of S. W. Channel from V. P. sub-way upto LIC staff quarters at Vile Parle.	2.28
5	Construction of culverts over Gogata wide nalla, Churi wadi nalla at Goregaon.	1.69
6	Culverts in 'P' Ward	4.19
7	Development of milch cattle settlement near Dindoshi Village North of Aarey colony, Goregon.	12.81
8	Do. Do. portion on D. E.	7.88
9	Do. Do. portion FGHI	11.16
10	Construction of bridge on road from Krishna Nagar to E. E. Highway including asphaltting of Road and retaining wall along Dahisar River.	4.11
11	Construction of two culverts along I. B. Patel Road and laying of U. G. S. W. D. and construction of Road over it at Goregaon (East)	10.60
12	Reconstruction and providing slab over the remaining portion of Chandavarkar nalla at Chandavarkar Road, Borivli (West)	1.37
13	Construction of channel from Jakeria Road upto Ramchandra nalla through Mamladar Wadi Road, Malad (West)	5.82
14	3 Works below 1 lacs.	1.76
		75.72

B.—Works in progress

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1977
		(Rs. in lacs)	(Rs. in lacs)
I.—Road resurfacing in asphaltic concrete			
CITY			
1	Reinstatement of trenches on Senapati Bapat Marg between D. P. Works and Kakasaheb Gadgil Marg including resurfacing Eastern carriageway ...	17.59	4.51
2	Resurfacing with asphaltic concrete and adding set back lands whenever possible to Swantantia Veer Savarkar Marg ...	19.07	14.43
3	Resurfacing with asphaltic concrete Ibrahim Rahimtulla Road with its junction with J. J. Road to Chunam Lane ...	14.09	6.78
4	Reinstatement of trenches and resurfacing of Eastern Carriageway on Senapati Bapat Marg between Kataria Marg to Tilak Bridge and Jawle Marg to Dadar Purification Works ...	18.67	5.41
5	Resurfacing Dr. B. A. Road from Volta Sagar to Byculla Bridge...	28.02	15.17
	Total ...	97.44	46.30
SUBURBS			
<i>Nil.</i>			
II.—Road resurfacing in cement concrete			
CITY			
1	Resurfacing and widening Dharavi Cross Road from Ganesh Temple Lane to Dharavi Road ...	2.18	<i>Nil.</i>
	Total ...	2.18	<i>Nil.</i>
SUBURBS			
<i>Nil.</i>			
III.—Construction of New Roads			
CITY			
1	Proposed 4.5 m. wide approach road for water supply project store at Marol ...	1.95	0.70
2	Barkatali Dargah Marg from L. M. Nadkarni Marg to Shaikh Mistry Road ...	11.09	3.48
3	Roads in B. B. R. S. Block V with asphaltic concrete ...	10.17	9.72
4	27.43 M. wide road in asphalt macadam from Estrella Batteries to Dharavi Road. ...	24.59	10.46
5	80' Road between Clerk Road and Arthur Road, Tulsiwadi Dharavi Road. ...	14.71	<i>Nil.</i>
6	9.14 M. wide Road at Transit Camp. ...	11.25	<i>Nil.</i>
7	20.38 M. wide Road near President Hotel at B. B. R. Scheme ...	8.84	2.43
	Total ...	92.60	26.79
SUBURBS			
1	Widening and improving 13.41 M. D. P. Road parallel to east of pipe line from Rajawadi to Tilak Nagar, Ghatkopar, Chembur...	1.76	5.98
2	Roads in Pestom Sagar Housing Scheme, Chembur ...	6.32	1.75
3	40' Road. (12.2M) Link Road between Kalanagar and Bandra Railway Station, Bandra (East) ...	10.04	6.90

Serial No.	Name of the work	Estimated cost	Expenditure booked upto 31-3-1977
		(Rs. in lacs)	(Rs. in lacs)
4	9.16 M. Service Road on both sides of T. P. line of East and West sides at W. E. H. culvert between W. E. H. and service road junction Kalanagar and construction of linkroad near P. F. Office Bldg. Bandra (East) ...	12.70	6.82
5	9.15 M. Roads and Bandra Reclamation scheme, Bandra (West) ...	8.18	2.10
6	Service Road from A. K. Road to Boundry of K/P Ward limit ...	54.71	48.32
7	13.42 M. Road opposite Topiwala Cinema, Goregaon ...	2.92	8.83
8	Quarry Road from Dhanaji Wadi to W. E. H. at Malad (East) ...	15.41	6.01
9	9.15 M. service road from 100' link road (special Steel Ltd.) to M. G. Road, Borivli ...	17.64	2.13
10	Providing S. W. Drains in S. S. III, Chembur ...	22.16	2.71
11	Providing and laying proposed U. G. S. W. D. at M. H. B. Bandra Reclamation Scheme, Bandra (West) Part—B ...	16.07	6.19
12	Do. Do. Part—C ...	11.77	6.59
	Total	179.68	104.33

IV.—Road widening

(CITY)

1	Adding setbacks anywhere in E. F. & G. Wards 1976-77.		
	(a) Adding setbacks at Shaikh Mistry Road.		
	(b) Adding setback at Dharavi Road.		
	(c) Dadar Market.		
	(d) Madkebuwa Chowk Parel T. T.		
	(e) Ganpatrao Kadam Marg.		
	(f) G. D. Ambekar Marg (Dabholkar Adda).		
	(g) Road leading to Nehru Centre Worli.		
	(h) New Prabhadevi Road junction Appasaheb Marathe Marg.		
	(i) Dr. E. Moses Road Centre Divider ...	20.40	15.15
2	Widening and improving Ganesh Temple Road from Dharavi upto Dharavi Pond including side drain ...	3.82	Nil
		24.22	15.15

SUBURBS.

1	S. W. drains (widening & improving of roads in Municipal Colony Barve Nagar Ghatkopar ...	24.12	9.14
2	W/I V. N. Purav Marg between Bombay Panvel Road and Mankhurd Stn. Road with asphalt macadam & providing s. w. drains ...	15.66	8.76
3	Widening & improving of Jay prakash road from 7 Bunglow to Mohamedan cemetery ...	25.84	10.30
4	Widening & improving of Veera Desai Road Andheri ...	19.46	6.43
5	Improving of M. V. Road from Police Stn. to Chakala Jn. including U. G. S. D. D. ...	34.53	17.15
6	Improving of M. V. Road from Chakala Jn. to T. P. line including U. G. S. W. D. ...	42.36	26.36
7	Improving of M. V. Road, from T. P. line to Mithi river including U. G. S. W. D. ...	43.54	21.18
8	Widening and improving S. V. Rd. from Oshivra Bridge to Javahar Nagar Road No. 4, Goregaon including U. G. S. W. D. ...	29.14	19.08
9	W/I M. G. Road between S. V. Rd., and Bangur Nagar, Goregaon ...	21.83	21.99
10	W/I S. V. Rd., from culvert at 4th road Javahar Road upto Piramal Nagar Goregaon ...	18.18	9.87
11	Widening of existing road between Gorai Villages in R Ward—Part—I ...	23.55	0.27
12	Do. Do. Part—II ...		1.10
13	W/I of S. V. Road from Borivali level crossing upto Dahisar Bridge including U. G. S. W. D. — Stage—I ...	30.85	1.46
14	Do. Do. — Stage—II ...	22.97	3.22
15	Do. Do. — Stage—III ...	30.79	9.88
16	Do. Do. — Stage—IV ...	37.16	11.53
		419.98	17.72

Serial No.	Name of the work	Estimated cost. (Rs. in lacs)	Expenditure Booked upto 31-3-77. (Rs. in lacs)
V—Other works.			
(CITY)			
1	Proposed over bridge in lieu of existing level crossing No. 5 H. B. at Wadala including construction of approaches ..	191.30	21.58
2	Strengthening of existing treble Barrelled drain between Jahangir Boman Behram Marg and Keshvrao Khaday Matg at Mahalaxmi Part—I ..	12.74	12.49
3	Do. Do. Part—II ..	14.02	9.16
4	Do. Do. Part—III ..	12.74	8.19
5	1.21 x 1.21 M. R. C. G. open drain to the west of Central Railway between proposed 17.06 M. D. P. Road and Dharavi Road ..	3.03	2.43
6	Raising approaches to Falkland Road bridge ..	10.26	Nil.
7	Desilting s. w. drains in the City—Part-IV ..	9.41	69.00
		253.50	54.53

SUBURBS.

1	1800 mm. dia. culvert on 23-77 m. D. P. Road to Kurla Dairy, Kurla ...	1.54	0.43
2	Over bridge for connecting 100' Ghatkopar Andheri Road with 40' wide road at Kajupada, Ghatkopar ...	4.23	3.08
3	Bed channel on either side of W. E. H. from Santacruz Nehru Road upto T. P. Line, Khar (East) ...	6.66	3.31
4	Filling for development of Bandra Kurla complex first phase work —Part—I ...	59.34	8.31
5	Do. Do. Part—II ...		10.76
6	Dhapa drain at L. I. C. colony at S. V. Road, Vile Parle (West) ...	9.36	5.75
7	2 culverts & 1 bridge at Majaswadi Jogeshwari (West) ...	3.08	1.52
8	Demolition and reconstruction of bridge on Dahisar river along S. V. Road, Borivali (East) ...	14.62	1.82
		98.83	34.98

APPENDIX 10.

Serial No.	B. M. C. Act. Section No.	Location	Action taken.
1	305	Private streets in Tokarsey Sivraj Wadi, off Tokarsey Sivraj Road 40 feet wide portion A. B. C. and 60 feet wide portion D. E. F.	Improvement work in progress.
2	471	Private street known as Vakil Lane off Dr. Gopalrao Deshmukh Marg.	Prosecutions are filed.
3	305	Private street leading to Tumna Flour Mill in Anjirwadi 'C' off Chavsi Bhiraji Road	Improvement works being carried out by owners.
4	305	Private street in New Badamwadi between V. P. Road and Shamrao Vithal Marg.	Notice period not yet over.
5	305	1st Patra Lane	Six appeals in cases of Municipal references are still pending before the Supreme Court.
6	306	Private streets joining Chinchpokli Cross Lane and Dhaku Prabhuchiwadi near Palanji Chawl.	Declared Public Street.
7	306	Private Street by the South side of Kaisor 1-Hind Mills off Rambhau Bhogale Marg, Mazgaon.	Declared Public Street.
8	491	Private street joining Chinchpokli X Lane and Dhakuprabhuchi Wadi, near Palanji Chawl.	Demand notice.

ESTATES AND LAND MANAGEMENT DEPARTMENT.

(1) Money spent	...	...	...	...	Rs.	4,81,67,595
(2) Money earned—						
(i) Rent from tenants and lessees	...	...	...	...	Rs.	1,45,63,808
(ii) Other	...	...	...	...	Rs.	2,17,293

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

4 Plots in Municipal Scheme have been disposed off in the year 1976-77 as shown in Statement 'C'.

The statement below indicates the progress of the disposal of the Municipal land during the previous years.

Year.	No. of Plots	Area in Sq. Metres.	Capital Value.
			Rs.
1973-74	3	15,110.25	38,46,045.00
1974-75	6	3,899.03	10,63,166.40
1975-76	6	58,933.03	29,09,417.53

Slum Clearance

No new tenements were completed during the year under report.

Industrial Estates

The construction of Industrial Estates has been taken by Corporation for rehabilitation of the Industrial Units required to be shifted from the lands required for Municipal purposes.

No new Industrial Estate has been constructed during the year under report.

New Housing Schemes

(1) The following new tenements were completed during the year under report :—

- (1) Construction of 105 Tenements and 13 Shops on plot No. 107, Worli.
- (2) Construction of 40 Tenements at Chowney Gully.

(2) Housing of Squatters. The number of Squatters families authorised for residing at Mankhurd and Jogeshwari Colonies were 2464 and 1957 respectively. These Squatters Colonies were transferred to Slum Improvement Department.

(3) The recoveries of rents of the dormitory at Palton Road amounted to Rs. 48,216 during the year.

DISPOSAL OF LANDS

(A) Long Leases.

7 Plots were let out during the year. The total area of the land thus disposed off admeasures 6976.26 square meters valued at Rs. 7,65,742. The total No. of plots disposed off upto the end of 1976-77 were 4385 with an area of 5391605.79 square metres and valued at Rs. 15,03,02,937.37 yielding an annual ground rent of Rs. 62,32,152. The ground rent is charged at 7 per cent. on the value of land. The rate for calculating ground rent revised from 7% to 10% as per C. R. No. 546 of 23-3-1976. The commutation is stopped from 1st July 1962.

The progress of the disposal of Trust lands on permanent basis is shown as under :—

Particulars	No. of plots.	Area in sq. mts.	Capital value	Annual Rent.
Plots leased on Rental basis	3	2405.92	Rs. 4,66,836	Rs. 34,706
Corresponding figures—				
1975-76	2	2142.89	1,71,452	12,002
1974-75	5	5862.12	15,57,570	77,513
1973-74	5	4447.99	5,29,351	10,500

The amount received by way of commutation of ground rent and premium etc., during the year was Rs. 1,59,380.

As can be seen in the Statement 'J' vide Item No. 8 that percentage of 28.70 arrears could be attributed mostly to the usual tendency on the part of the prospective lessees to withhold payment of ground rent to the extent to cash security deposited by them with a view to getting the same adjusted towards the ground rent. The main items of arrears which constitute a part break up of Rs. 29,75,390 pertaining to 'B' Budget and of Rs. 15,569 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 Maharashtra and Defence Department ...	5,07,936
(3) Of properties vested in the Deputy Custodian of Evacuee Property ...	40,818
(4) Of plots against which disputes have been raised and cases are under consideration ...	5,93,710
(5) Due from Western and Central Railways ...	27,798
(6) Due from Municipal Department ...	64,742

(2) Short Leases

7 temporary leases were granted during the year under report.

The number of vacant land tenancies both ex-Trust and Municipal Estates excluding those given in Marikhurd and Jogeshwari Colonies were 4984 and 1169 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. 8,44,589 and Rs. 7,72,133 and the recovery was Rs. 6,72,566 and Rs. 5,26,233 respectively inclusive of arrears.

MANAGEMENT OF PROPERTY AND COLLECTION OF REVENUE.

A.—Trust Section.

(a) *Chawl Permanent*: The gross demand of tenements in the Chawls for the year was Rs. 43,71,747 on 31st March 1977 as against Rs. 44,72,216.

The concessional rent includes the rents of rooms let out to the peons of the different departments in lieu of house rent allowance and rent free quarters allotted to 193 sweepers on this department.

The Collection on account of rents from the permanent chawls during the year amount to Rs. 37,09,497 deducting therefrom the charges on account of outgoing amounting to Rs. 67,72,924 net loss comes to Rs. 30,63,427.

The capital expenditure incurred on the chawls including the value of the land is Rs. 246 lakhs. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. per annum on the capital expenditure prior to 1919-20 and 6.55 percent 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 lacs 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. 31,99,552.

(b) *Semi permanent sheds*: The gross demand in respect of 7436 rooms in the Semi Permanent Sheds including Labour Camps for the year was Rs. 19,11,427. The net demand after excluding the concessional rent and vacancies was Rs. 19,05,575. The revenue actually collected comes to Rs. 16,99,857 which was equivalent to 89.38 per cent. of the total recoverable rent including arrears of Rs. 25,79,121 for the previous year.

The percentage of outgoing in respect of the Chawls and Semi-permanent sheds are shown in Statement on the basis of annual rental of Rs. 51,07,350 for chawl and Rs. 17,28,453 for semi-permanent sheds, total outgoing being 142.79 per cent. and 260.43 per cent respectively.

Amounts transferred to Rent Equalisation Fund and Amenity Fund were Rs. 1,78,178 and Rs. 59,391 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. 22,65,195 against the demand of Rs. 31,66,730 inclusive of arrears.

Acquired properties: At the commencement of the year there were 437 acquired or surrendered buildings in charge of this department containing 6674 tenancies. At the close of the year, corresponding figures were 447 building and 6741 tenements.

The gross demand of 6741 tenements in the acquired and re-entered buildings was Rs. 14,85,371. After excluding the amount for concession in rent and vacancies the net demand for the year was Rs. 14,81,712.

The revenue collected amounted to Rs. 14,94,052 which was equal to 68.88 per cent. of the total recoverable amount including arrears of Rs. 21,68,979 for the previous year.

Summary of revenue: The total collection of revenue from leasehold plots and rent and ground 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 17 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. 1,64,754 and the recovery was Rs. 83,628 which was equal to 50.76 per cent. of the total recoverable amount.

During the year under review, the demand and recovery of taxes aggregated to Rs. 62,291 and Rs. 34,479 respectively. The arrears due for collection at the close of the year stood at Rs. 3,09,792.

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 1976-77		As at the end of 1976-77	
	Sq. metres in thousands			
Area permanently leased	64,15.01		64,25.39	
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	6582.37		6,592.75	
Rent of permanently leased area in rupees (in thousands)	13616.46		13676.39	

"B" Statement of permissions granted in respect of leased plots for 1975-76.

Description	No. of proposals.	Premium		Ground rent	
		Rs.	Rs.	Rs.	Rs.
Motor Garages	6	Nil		1,832	
Additional floors	10	957		16,312	
Change of users and Misc. proposals such as encroachments, Basement floors Canopies, temporary structures, Gallery Projections, Rewas projections, Ota Projections, Lofts and Mezzanine floors etc.	101	13,311		40,198	
Fines					
Transfer fees		7,000			

Statement 'C' showing the disposal of Municipal Ex-Trust plots during the year 1976-77.

Land/Estate.	Plot No. & C. S. No.	Area in sq. mts.	Capital Value	Annual Ground Rent.
			Rs.	Rs.
Municipal.				
(1) T. P. S. IV, Mahim	.. 1141 (Pt.)	999.15	54,866.00	4,137.00
(2) Goregaon Industrial Estates	.. 23.24	613.62	44,040.00	3,083.00
(3) Park Site Colony, Vikhroli	.. ..	170.57	..	1
(4) Goregaon Industrial Estate	.. 11	2,787.00	2,00,000.00	1,4000
Total	.. ..	4,570.34	2,98,906.00	21,221.00
Ex-Trust.				
(1) Sewri Wadala South	.. 76A	336.00	67,536.00	67,54.00
(2) Veer Jijamata Nagar, Worli.	... ..	46.80	..	1
(3) Dharavi Paraplegic Foundation	... ..	20,23.12	39,93,00.00	27,951.00
Total	... ..	2,405.92	4,66,836.00	34,706.00

"D" Summary of Revenue of Properties for the years 1976-1977.

(000 omitted)

Particulars.	Properties under 'B' Budget			Properties 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.	66,65	90,91	157,56	21,77	9,89	31,66	2,68	48.25	50,93
Arrears.	29,38	72,19	101,57	9,35	6,49	15,84	1,07	21,54	22,61
Totals	96,03	163,10	259,13	31,12	16,38	47,50	3,75	69,79	73,54
Amount collected.	58,03	79,80	137,83	18,85	7,66	26,51	4,71	42,01	46,72
Variation in Demand for the previous year	..	+3,07	+3,07	+30	..	+47	..	+2,10	+2,10
Carried out during the year	..	-1,20	-1,20	-4	..	-64	..	-1,18	-1,18
Amount written off	..	..	..	..	..	..	..	..	..
Arrears as on 1-4-77	25,46	68,41	93,87	9,90	6,13	15,03	6	21,36	21,42
Arrears as on 1-4-76	20,75	71,20	100,95	9,36	6,50	15,86	16	21,54	21,70
Arrears as on 1-4-75	21,02	53,84	70,86	7,46	3,91	11,37	33	18,59	18,92

"E" Statement of tenements constructed for Slum Clearance Scheme (City and Suburbs)

Serial No.	Locality.	Yard of Construction	No. of structures	Number of Tenements		Subsidised rents Charged	Standardised Rent	
				Residential	Shops Godowns		Rs. P.	Rs. P.
Municipal Scheme :--								
1	Palton Road Chawl No. 4	1956	1	83	20	31.30	50.43	105.85
2	Haines Road Transit Camp.	1957	19	137+9	...	26.98	32.05	40.08
3	Tank Pakhadi Transit Camp	1958	27	254	...	26.98	31.95	...
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	...	30.91
7	Shopping Block at Tulsiwadi	1963	1	...	15	32.27	31.92	...
8	Shopping Blocks at Water St.	1963	1	112	10	...	Varying from 35.15 to 43.94	
Government Aided Schemes								
1	Haines Road	1959	7	112	...	32.05	62.52	...
2	Haines Road	1959	5	80	...	32.05	...	...
3	Sukhalaji Street	1960	1	76	...	42.29	...	...
4	Sion Scheme 6	1960	1	40	...	31.50	...	...
5	Body yard Lines	1960	6	96	...	31.49	52.23	51.32
6	Dharavi	1961	5	168	...	31.50	...	...
7	Foras Road	1961	1	42	13	31.49	...	...
8	Rawli Camp	1961	18	288	...	31.50	80.55	...
9	Bane Compound Arthur Road	1961	6	208	...	31.49	57.03	...
10	Water Street, Byculla	1961	7	112	...	34.26	...	...
		1962	2	32	...	32.05	...	...
11	Haines Road	1961	2	80	...	32.05	...	...
12	Sion Scheme 6	1962	2	80	...	31.50	...	...
13	Body Guard Lines	1962	8	128	...	32.48	...	...
14	Papty Road	1963	1	40	...	34.24	75.40	...
15	Haines Road	1963	6	96	...	34.26	70.85	...
16	Rawli Camp	1964	14	224	11	33.64	135.40	...
						73.16	69.66	...
17	Sion Village Bk E	1964	1	24	...	34.07	...	...
18	Kamathipura C Bk Bapty Rd.	1964	1	22	...	34.24	26.98	66.67
19	Do. Bapty Rd. 'A' Block	1964	1	26	11	28.81	87.25	87.25
						34.21	89.91	89.91
20	Kamathipura MI Area stable street	1965	1	41	11	34.26	96.28	96.28
21	60 t. Falkland Road	1966	1	60	...	...	...	...
	8th X Lane	1966	3	60	...	41.61	25.98	194.61
22	60 t. Hains Road	1966	6	240	...	42.38	69.45	73.49
23	Rawli Camp	1967	5	132	8	42.67	61.00	61.00
24	Rawli Camp	1969	1	32	10	42.68	61.00	147.00
	Rawli Camp near Koliwada level crossing Opp. S. S. S. Nagar						shops 153.00	shops 63.00 rooms 75.00
25	Kamathipura M.I. area stable street	1970	1	45	12	56.44	149.00	149.00
26	Peruchawl Lalbaug Gas Work Lane	1970	1	30	...	37.00	...	...
27	60 t. Rawli Camp	1971	3	60	...	40.77	81.70	81.70
28	Rawli camp BKE 3 & A. 7	1972	2	44	...	...	100.06	100.06
29	230 T and 20 shops Rowli Camp.	1973	...	230	...	...	105.00	232.00
30	Vikroli	1961	16	396	...	31.51	52.00	57.00
31	Do.	1963	12	348	...	31.51	57.00	55.50
32	Kherwadi Bandra	1964	17	217	...	34.55	55.50	64.12
33	Tenements along Eastern Express Highway Chhatkopar	1965	108	1004	...	...	...	...
34	60 t. at Bombay Agra Road Chhatkopar	1966	3	60	...	...	...	...
35	320 t. at Santacruz	1966	20	320	...	34.55	64.12	64.12
36	200 t. at Match Factory Kurla...	1973	10	200	...	...	...	...
37	40 t. at Sion Village	1974	...	40	...	55.00	117.00	117.00
38	Rawli Camp	1972	...	103	12	39.92	170.73	170.73
39	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.	
	1975-76	1976-77	1975-76	1976-77
Sanitary Staff and Pumpmen	55.94	23.53	52.54	58.82
Cost of Management and Establishment.	7.50	7.50	7.50	7.50
Municipal Rates and Taxes	37.29	37.25	77.90	88.23
Repairs and Maintenance including lighting.	40.66	74.51	93.36	105.83
Vacancies.	...	...	...	...
Total	190.71	142.79	231.30	260.43

"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 5.	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	Interst and Sinking Fund charges on capital out layat 4 1/2 per cent on column 8 up to 1919 and thereafter at 6 3/4 per cent.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Sq. Metre	Rs.	Rs.	Rs.	Rs.	Rs.
1	1-4 Agripada A Chawls	1900	6091.21	8	50,995	1,85,505	2,36,500	10,903
2	5-16 Agripada B Chawls	1903	9970.85	6	71,550	5,41,639	6,13,189	28,269
3	31-32 } 38-40 } Agripada C Chawl	1903	5226.65	6	37,506	2,79,182	3,16,688	14,599
4	45-46 } 19-24 Chandanwadi Chawls	1904	8080.36	15	1,44,960	3,76,915	5,21,875	24,059
5	26-27 } 29,30&31 } Imamwada A Chawls	1905	11239.26	13.8	1,81,467	4,98,562	6,80,029	51,349
6	50 Imamwada B Chawl	1905	793.49	13.8	12,811	19,368	32,179	1,483
7	33-37 Mandvi-Koliwada Chawls	1908	3485.83	75	3,12,675	2,76,040	5,88,715	27,140
8	52 Workmens Cottages Matunga	1905	789.31	5	4,720	12,083	16,803	774
9	17-18 Nagpada C Chawls	1903	2148.02	7	17,983	82,358	1,00,341	4,676
10	39 Nagpada A Chawl	1904	1755.04	7	14,693	99,776	1,14,469	5,277
11	28 Princess Street Chawls	1907	1237.47	30	44,400	42,417	86,812	4,002
12	42-44 } 47-49 } Suparibaung Chawls	1910	6756.77	48	36,364	3,39,878	3,76,242	17,345
13	52-57 Chinch Bunder Chawls	1913	7103.76	26,66(d)	2,26,560 (a)	6,79,622	6,06,182	27,945
14	86-95 Cottage Blocks (Old)	1920	2324.44	10	27,800	36,069	63,869	4,056
15	58-61 Clerk Road Chawls	1921	3495.86	15	62,715	4,39,814	5,02,529	51,911
16	62 Pais Street Chawls	1921	2858.73	15	51,285	1,70,863	222,145	14,106
17	63-66 Mominpura Chawl (Old)	1921	6488.37	15	1,16,400	4,31,655	5,48,055	34,801
18	67-72 Three room tenements Scheme 5	1922	4689.85	6	33,654	2,64,717	2,98,371	18,946
19	73-78 Two room tenements, Scheme 6	1922	3540.17	6	25,404	2,91,972	3,17,376	20,153
20	79-85 Cottage Blocks (New)	1922	6528.50	6	46,848	69,312	1,16,60	7,376
21	Blocks 1-19 Sillars Road Chawls	1922	9853.19	19	6,78,376	25,75,065	32,53,441	2,66,594
22	1-16 Mizgaon Chawls	1922	24515.50	10	2,90,810	21,77,079	24,67,889	1,56,711
23	1 Mominpura Chawls (New)	1923	3,70.10	20	78,220	3,14,276	3,92,496	24,923
24	1-23 Love Lane Chawls	1925	11176.50	188	2,47,289	11,36,407	13,83,696	87,865
25	1-10 Sydenham Road Chawls	1925	13698.28	16	2,04,720	7,78,071	9,82,791	62,407
26	1-2 Paltan Road Chawls	1946	2721.60	25	81,373	2,32,503	3,13,878	19,931
27	3 Paltan Road Chawls	1952	9551.86	50	92,777	3,48,544	4,41,321	28,024
28	A-J Sewri Chawls	1956	5554.41	25	1,66,075	5,06,514	6,72,589	28,120
29	Nuigaon 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	10068.63	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						
	Total		2,61,288		54,30,62	91,81,087	2,47,14,689	12,96,415

(a) Rs. 8-0-0 for 8 larger rooms (Double) rooms having partition inside.

(b) R 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 revised at be dividing By 8,496 yds.

Calculated at 4.24 percent.

A- Includes rooms ren. free mil 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.

Number of tenements, full letting value.

Gross annual rent	Annual profit + or loss— i.e. 90.71 per cent. of column 10-9.	Percentage of rate annual return* 9)71 of col. (10) of capital cost (col.8)	Total Number of rooms.	Number of floors including ground floor.	Floor area of tenements including Verandah.	Rent per room as on 31-3-1962 inclusive of increase in taxes.	Economic rent Exclusive of increase in taxes.	Number of rooms living purposes.	Number of rooms let for Shops, Godowns, or Municipal purposes
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs. 45,638	Rs. -29,996	17.29	312	3	Sq. ft. 175	Rs. P. 7 49	8 14 0	276	1-B, 5-D, & 50-E
60,615	-26,714	8.79	658	4	110	10 40	7 10 0	926	20-E
1,14,508	-89,271	32.79	258	4	142	6 45	8 1 0	414	18-E, 1-F
1,06,346	-72,407	18.48	433	4	177	7 49	8 12 0	633	2-D, 9-E
1,17,487	-73,740	14.96	857	4	125	9 36	10 6 0	846	2-B, 4-E & 5-D
1,00,747	-64,247	18.69	30	4	135	8 95	9-13, 10-1 10-5	30	-
1,988	-1,029	10.73	278	4	160	11 93	Rs. 9-13 10-1, 10-5 17 5 0	222	308-E-26-E
18,735	-12,319	16.94	15	1	120	8 31	12 7 0	-	-
20,494	-13,313	16.28	144	4	148	9 96	9 10 0	144	-
10,607	-13,623	11.08	144	4	160	8 31	9 0 0	144	-
60,897	-72,584	14.68	64	4	136	10 83	14 2 0	64	-
93,948	-1,13,165	14.06	481	4	176	12 98	9 4 0	479	1-B, 1-F
5,127	-8,707	7.28	405	2	176	9 36	13 6 0	372	33-C
52,061	-79,135	9.39	405	2	176	10 09	13 6 0	372	-
22,806	-34,793	9.31	14	1	275	24 81	38 0 0	-	-
57,960	-87,376	9.59	325	4	176	28 80	13 12 0	320	4-E
22,631	-39,474	6.58	134	4	175	9 62	15 13 0	131	1-F
27,474	-45,093	7.86	246	4	175	10 66	15 13 0	241	3-E
4,488	-12,447	3.50	(b) 160	4	175	12 82	13 8 0	-	6-D
3,14,931	-4,92,268	8.78	36	4	562	9 36	Rs. 55.60 & 65	-	-
1,94,413	-3,33,063	7.15	72	3	338	11 24	Rs. 35, 33, 32	-	-
46,907	-67,472	10.84	10	3	325	29 47	35	-	-
1,48,771	-2,22,815	9.75	1,549	3	176	30 83	35	1,513	20-C7-D & 9-E
97,988	-1,51,291	9.04	1,385	3	176	10 69	Rs. 16.5 18-6, 17-14	1,263	36-C, 4-D
81,058	-1,21,483	16.66	234	4	176	12 83	Rs. 15-6. 15-14	227	S 2-E
65,591	-87,618	8.84	821	4	176	9 36	13 8 0	792	7-E
42,184	-67,375	5.31	821	4	176	12 30	Rs. 15-9. 16-1, 16-9, 17-1, 17-9	387	6-D, 22-E, & 1-F
15,574	-22,124	7.63	821	4	176	11 24	Rs. 15-7.	125	1-B, 1-C, 1-D & 1-
66,647	-92,929	7.89	391	4	176	12 38	Rs. 15-7. 32, 33, 35	76	24-E, 7-C
1,52,932	-2,25,115	4.24	156	4	180	26 74	R. 15-7 R16, 16-8	194	4-E, 6 G
82,346	-1,29,704	4.24	156	4	180	10 38	Rs. 35	120	-
65,680	-1,18,323	4.30	86	4	180	11 09	Rs. 35	24	-
1,05,164	-1,78,339	4.88	194	2	180	26 03	Rs. 36-10	120	-
14,221	...	...	120	4	190	27 06	Rs. 4	24	-
71,636	...	...	24	4	237	22 91	...	...	...
7,18,572	...	...	112	4	273	24 20	...	...	...
37,558	...	...	272	4	...	21 86	...	...	...
5,44,472	...	...	144	4	...	29 43	...	...	...
21,001	...	...	112	4	...	50 33	...	...	...
38,31,656	...	...	272	4	...	31 50	...	...	...
38,31,656	-31,99,352	358.31	144	4	...	47 00	...	...	...
38,31,656	-31,99,352	358.31	13,484	-	-	64 00	...	...	...
						66 50	...	...	...
						67 50	...	...	...
						07 00	...	...	...

"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.	
						(Subsidised rent at Rs. 12 per 100 Sq. ft.)	
1	Gilder Lane Tenements.	1958	4	144 (64)*	62.52 39.85		103.30 71.93
2	Elphinstone Road	1958	3	72	28.33	20.69	45.89
3	Surya Cinema Tenements Naigaum	1958	2	48	28.33	20.69	45.15
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. Amic 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.	1974	1975	1976	1977
(1) Number of Tenancies	3757	4133	4138	4143
(2) Balance of arrears in lacs of rupees...	21.31	19.26	21.35	30.45
(3) Demand for the year in lacs of rupees....	47.28	51.75	54.57	69.33
(4) Total demand including arrears in lacs of rupees.	68.49	71.01	75.92	99.78
(5) Amount collected in lacs of rupees.	49.58	52.75	50.41	62.74
(6) Percentage of collection to the demand including arrears.	72.20	74.19	66.40	62.85
(7) Percentage of collection to the demand for the year.	104.75	101.93	93.21	90.49
(8) Percentage of arrears to amount for collection.	32.82	27.12	28.12	28.70

BOMBAY FIRE BRIGADE

HIGH-LIGHTS :

Expenditure : Rs. 1,57,01,913 Income : Rs. 63,470 Fire Stations : 19.

Service Calls.

Fire :	2487	House Collapse :	458	Rescue :	470
Others :	705	False :	172		

Ambulance Calls.

Accidents :	1236	Maternity :	219
Hire :	2082	Free Poor Cases :	3

Premises inspected for rendering advice on Fire Precautionary Measures : 8089.

Functions and Activities : The Fire Brigade Department renders fire fighting services as also keeps vigil to prevent occurrences of fires so as to protect life and property of the citizens. It has 19 Fire Stations, 13 in the City, 4 in the Suburbs and 2 in the Extended Suburbs. All of them are well equipped with Fire Appliances such as Snorkels, Turn Table Ladders Motor pumps with Escape Ladders, Motor Emergency Tender, etc. The location of these fire appliances at various fire stations is based on the type of fire risk, height of buildings and population density in the particular arease. The details of equipment are furnished in Appendix I".

The telephonic communication system has also been supplemented with Radio Telephone. Each Fire Station has at least two wireless sets, one at the station and the other fitted to the leading fire appliance at the station.

The details of communications are as under :—

Telephones :

Ten Emergency Lines, two for Ambulance Service and the remaining for fire and other calls, were in operation.

Wireless Communication System :

The Brigade had 55 Radio Telephone Sets, (14 static sets, 31 Mobile Sets and 10 Walkie Talkie Sets) actually in use and 2 spare Walkie Talkie Sets.

Fire Alarm :

The total number of Fire Alarms were 218.

There were 25 serious fires during the year (*vide* Appendix II).

61 persons lost their lives and 1177 were injured in House Collapse.

Some serious House Collapses are mentioned in Appendix III.

Other Services :

There were 705 calls of other services which included leakage of poisonous gases and dangerous fumes, spilling of acids, falling of trees, shock due to electricity, vehicle accidents, etc., 56 persons lost their lives in such accidents and 125 persons received injuries.

Rescue Service :

The Brigade attended 470 calls of various types of Rescue work such as persons fallen in wells sea, trapped in lift cages, drainages, marooned in flooded area etc., 98 persons died in such cases and 256 were injured. Majority of deaths (169) were due to drowning. The Brigade also rescued 89 animals and birds.

Burning Casualties :

There were 494 casualties due to fire, out of which 285 persons lost their lives (120 men and 165 women), 209 persons received burns and subsequently recovered. Out of total casualties, 56 cases (16 men and 40 women) were of suicide.

Fire Loss :

The total loss due to fire was approximately Rs. 5,25,01,970. Out of this, the damage to the insured property was Rs. 3,25,01,240. The total property involved was worth Rs. 7,16,50,76,950.

Water supply :

The approximate quantity of water used for extinguishing fires was about 90,67,214 litres out of which 89,71,302 litres were drawn from Municipal mains and rest from sea, wells, ponds etc.

Hydrants :

The number of hydrants provided in the City and Suburbs is 9,563.

Fire Prevention Cases :

Licence, Factory and Health Departments of Municipal Corporation	..	6,802
Public Entertainment and Buildings	..	875
Commissioner of Police, Inspector of Explosives and Controller of Drugs	..	95
Complaints	..	1,077
Multistoreyed Buildings	..	390
Building proposals ...	...	271
Miscellaneous	...	333
Total cases (including previous one)	...	9,453
Cases disposed of during the year ...	...	8,085

OTHER ACTIVITIES :**(1) Celebration of Fire Services Week :**

The Bombay Fire Brigade in co-ordination with other Fire Services of the City celebrated the Fire Service Week from 8th April to 14th April 1976.

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 Service personnel by selling flags to the public on the last day of the Week. The most remarkable 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 B. G. Doshmukh, Municipal Commissioner, presided on the occasion.

(2) Republic Day :

Along with the Defence and other Services, a Unit and the Band of Bombay Fire Brigade also participated in the Republic Day Ceremonial Parade. The Fire Brigade Unit and Band also participated in the Maharashtra Day Parade.

(3) Annual Sports and Tournaments :

The Annual Tournaments in various games were conducted and the Sports Meet was held on 4th February 1977. All Fire Stations showed great enthusiasm by sending teams and competitors. Smt. Lilyben Pandya, Chairman, Standing Committee, presided over the occasion and distributed the prizes.

(4) Annual Drill Competitions :

The Annual Fire Drill Competitions were conducted as usual. During the year, competitions were held in (i) Fire Trailer Pump Drill, (ii) Fire Extension Ladder Drill. Teams in each competition were participated from different fire stations.

(5) Awards and Prizes :

A Silver Medal, Recurring Award of Rs. 5 and Cash Prize of Rs. 250 was given to the following Officers and Men of the Brigade for showing exemplary courage and valour while fighting a fire or carrying out rescue operations, at the hands of Shri J. C. Azarwal, Chairman, Bombay Port Trust.

- (i) Shri L. S. D. Meherwanjee, Dy. Chief Fire Officer.
- (ii) Shri N. V. Chitnis, Divisional Officer.
- (iii) Shri M. I. Anwar, Assistant Divisional Officer.
- (iv) Shri M. G. Sirkhot, Station Officer.
- (v) Shri V. B. Bhosale, Sub-Officer.

Fire men :

- (i) Shri Bal Atmaram Mane.
- (ii) Shri Rangrao Dauloo Chawan
- (iii) Shri Purshottam Laxman Kajrekar.
- (iv) Shri Prabhakar Krishnaji Chawan.

Fire Services Medal for Meritorious Service :

On the occasion of Republic Day Parade, the names of Shri N. V. Chitnis, Divisional Officer and Shri S. S. Rane, Assistant Divisional Officer were announced by His Excellency, the Governor of Maharashtra, for awarding the Fire Service Medals for Meritorious Service.

(6) Award of Scholarships to children of Brigade employees :

As in the previous year, scholarships ranging from Rs. 10 to Rs. 50 were also awarded in the current year to 33 school going children of the Brigade employees who passed the Annual Examination with credit from Standard IV to XI.

(7) Best Fireman Award of Rs. 100

Shri Sahadeo Vithoba Labdhe

... Leading Fireman.

(a) Cash Prize of Rs. 50 each to employees securing first place in Driver Operator Class and Leading Fireman Class.**(i) Husseinsha Noorsha**

... Driver Operator.

(ii) Jairam Tukaram Ambre

... Leading Fireman.

(b) Commendatory Certificate :**(i) Shri Sitaram Balkrishna Chawan**

... Driver Operator.

(ii) Shri Shankar Bhiwa Gaikwad.

... Driver Operator.

(iii) Shri Brijnathsingh Shivpradasad singh

... Driver Operator.

(iv) Shri Chandrakant Fatu Palva

... Fireman.

(8) Deputation of Officers :**(a) Shri S. M. Desai, Asistant Divisional Officer, is deputed to State Bank of India from 10th April 1974.****(b) Every year two Fire Officers are deputed to National Fire Service College, Nagpur, for undergoing training in Divisional and Assistant Divisional Officers' Course. During the year under report, Shri S. S. Amolik and Shri D. S. Mulye were deputed for the course. Shri S. S. Amolik secured distinction and Shri D. S. Mulye secured Honours.****(9) Fire Fighting Training to outside candidates :****(a) Practical training in fire fighting and rescue operations was imparted to the Home Guards of Greater Bombay.****(b) Officers of Bombay Fire Brigade gave a number of lectures on fire fighting to the security Guards of the Corporation.****(10) Vocational Service Awards :**

Following Awards were presented by Rotary Club of Walkeshwar to the Brigade staff :—

(a) Annual Totary Trophy with cash prize of Rs. 251/-.

Shri Vi. V. Vaigay, Asstt. Divisional Officer.

(b) Cash prize of Rs. 151/-.

Shri Vithal Balaji Bhosale, Sub-Officer.

(c) Cash prize of Rs. 101/-.

Shri Parmashwaran Pillai, Leading Fireman.

AMBULANCE SERVICES :**In all 1236 persons were removed in Ambulances. First-aid was rendered in deserving cases. The total receipt during the year on account of hire of ambulances amounted to Rs. 25,718 including arrears as against Rs. 25,624 in the previous year.****G. S. SALVI**

Chief Fire Officer.

APPENDIX No. I.

Fire Appliances and Equipments :

	Nos.
(1) Motor Turn Table Ladder :—	
(a) of 100 ft. extension with pump	2
(b) of 125 ft. extension with pump	2
(c) SS 300 Simon Snorkel	2
(2) Motor Pumps :—	
(a) with escape of 50 to 60 ft. extension	37
(b) with extension ladders of 35 ft. extension	13
(3) Fire Tender with extension ladder	2
(4) Motor Emergency Tender with Special Gears	1
(5) Motor Emergency Tender-cum-Fire Tender	2
(6) Trailer Pump :—	
(a) Medium Type	18
(b) Light Type	2
(7) Water Tankers	8
(8) Hose Laying Lorry-cum-Canteen Van	1
(9) Control Post Van	1
(10) Motor Ambulances	16
(11) Other Vehicles	22
(12) Scooters	5
(13) Ladders of various sizes	91
(14) Breathing Sets :—	
(a) Oxygen	36
(b) Compressed Air	36
(15) Hoses Delivery R. R. L. 2½" size	84,180 ft.
(16) Hoses Delivery R. R. L. 1½" size	29,200 ft.
(17) Gas Masks of various types	42
(18) Three wheeler Tempo	1
Out of the above appliances and equipment the following were purchased during the year 1976-77	
(1) Matador Ambulances	6

APPENDIX No. II.

Brief details of serious covering damaged above Rs. 1 lakh during the year.

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated damage
1	2	3	4	5	6
4-4-1976 04.32 hrs.	Beauty House, Thakarsi Jivraj Road, Bombay 15.	Dyers and Cleaners.	Firemen with 8 lines of nine Motor Pumps.	Large stock of dyes and chemicals in drums, bags i.e. sulphuric acid, oxalic acid, bleaching powder, caustic soda, turpentine, mineral oils, furnace oil, large stock of hosiery, fabrics and fabrics two blowers, three steam radiators, three calendar machines, one compressor and drying chambers, two paint processing machines, electric installation, records, etc., severely damaged by fire, heat, smoke and water.	20,70,000
6-5-1976 11.28 hrs.	R-Street Godown, Maharashtra State Co-op. Marketing Federation, Sewree.	Godown.	B.M.C. Firemen with 8 engine lines of 7 motor pumps and B.P.T. Brigade with One Motor Pump.	Large stock of sugar bags, empty gunny bags, cotton bales, maize bags, weighing machine, banana elevator, tarpaulin, furniture, fixture, office records, etc., brick walls, rolling shutters, doors, windows, severely damaged by fire, heat, smoke and water.	3,75,00,000
18-6-1976 05.35 hrs.	Senapati Bapat Marg, Messrs. Sterling Chemicals Factory.	Chemical.	Firemen with 6 motor lines of 5 Motor Pumps.	Large quantity of chemicals in a drum containing stoving thinner, paraformaldehyde, three drums of ethyl acetate, various types of butyl, solid chemicals, office records, wooden and steel furniture severely damaged by fire, heat, smoke and water.	20,00,000
27-9-1976 18.00 hrs.	Messrs. U. K. Optical Co., 35 Woollen Mills Lane.	Mig. optical goods.	Firemen with 2 engine lines from 2 motor pumps and Soda Acid Extinguisher.	Large quantity of mica, cellulose sheets, sheets, large quantity of ready-made goods of opticals, few raw material of screen etc., furniture, wooden curbs, levelling, banding and buffing machines, doors and windows, electric installation severely damaged by fire, heat and smoke.	1,75,000
27-9-1976 19.35 hrs.	Akash Deep Building, 4/5 Zakaria Bunder Road, Sewree.	Ready-made garments.	Firemen with 5 Motor Pumps.	Large quantity of cotton cloth, packing materials, stitching threads, packing papers, brass papers, corrugated packing material, embroidered and synthetic cloth, office furniture, office records, collar tussing machine, cloth rolling machine, cutting machines, air compressors, spare electric machines, etc., severely damaged by smoke, heat and water.	3,92,000
3-11-1976 21.45 hrs.	Messrs. Vora Cotton Waste Cleaning Factory, 9-C, Jagannath Bhatnagar, Marg.	Waste cotton dealers.	Firemen with 10 lines of 8 engines.	Large quantity of cotton waste hessian bags, electric motor, telephone, packing machine, furniture severely, testing machine slightly, window, wall etc., severely damaged by fire, heat, smoke and water.	1,00,000
3-12-1976 09.15 hrs.	Messrs. Chemicals and Allied Products Factory, at Chaitram Gidwani Marg.	Chemical factory.	Firemen with 6 Motor Pumps.	Large quantity of chemicals, dyes, and colours, laboratory chemicals, equipment, instruments, wooden and steel furniture, electric wiring, motors, etc., severely damaged by fire heat, smoke and water.	3,15,000
31-1-1977 03.35 hrs.	Mudhav Bhanan, 93/101, Dr. B. A. Road, Jahangir Meherwanjee Street.	Hotel and residential.	Firemen with 11 lines of 11 Motors.	Household articles, personal belongings, clothing, furniture, electrical installation such as fans, radio sets, t. v. sets and kitchen articles, currency, ornaments, documents and beer bar etc., severely damaged by fire, heat, smoke and water.	3,00,000
13-2-1977 20.25 hrs.	Indian Cork Mills, Saki Vihar Road, Bombay.	Cork Mills.	Firemen with Motor Pumps.	A large stock of laminated cork sheets, auxiliary commodities, associated with manufacturing of cork sheets, adhesive rubber tapes, raw material and finished goods, packing material, office furniture, records, machinery of various types, for manufacturing process etc., severely damaged by fire, heat, smoke and water.	9,50,000
19-1-1977	Natraj Studio, 195-K.171A, Ancheri Road.	Studio.	Firemen with motor pumps.	3 Dress and dress material, steel furniture, decorative cloth, dark room, cinema film material, air conditioning machine, electric installation. Plywood partition walls, wooden doors, windows etc. severely damaged by fire, heat, smoke and water.	4,48,000
3-3-1976 03.31 hrs.	Nari Seva Sadan Road, Ghatkopar.	Timber and gunny bags dealers.	Firemen with 8 motor pumps.	A large stock of cut timber, wooden khokas, mechanical saw, office papers, etc., severely damaged by fire, heat, smoke and water.	

APPENDIX No. II.

Brief details of serious covering damaged above Rs. 1 lakh during the year.

Date and Time	Place	Business	Extinguished by	Description of damage	Estimated damage
1	2	3	4	5	6
22-2-1977 21.40 hrs.	New Vinod Pvt. Ltd., Chakravarti Ashok Road, Kandivali (East).	Silk Mills Textile Mills.	Firemen with motor pumps.	3 Large quantity of finished and unfinished goods of yarns, cloth bales, air conditioning unit, electric installation lubricating oil, drums, warping machine, severely damaged by fire, heat, smoke and water.	Rs. 1,00,000
27-3-1977 00.24 hrs.	Amboli Timber Market, Andheri (West).	Timber merchant.	Firemen with motor pumps.	8 A large stock of timber, building material, empty bottles, tarpaulin, furniture, empty gunny bags, aromatic chemicals and other miscellaneous, scrap stored in galas of various dimension severely damaged by fire, heat, smoke and water.	1,96,500
14-12-1976 23.58 hrs.	9-A, Sitafalwadi, Off Dr. Mascarhanse Road.	Engineering industry.	Firemen with motor pumps.	8 Drill machines, engineering goods raw material, all types of engineering machines office records, electric installation, spot welding machines, grinders, teleph equipment, documents, etc. severely damaged by fire, heat, smoke and water.	2,66,900
1-1-1977	Mahalaxmi Glass Works Shakti Woollen Mills Lane, Dr. E. Moses Road,	Manufacturing bottles.	Firemen with engine lines of motor pumps.	6 8 Large number of bottles, cartoon boxes, paper partition, wooden khokas, containing various size and type of bottles, dexten racks, office records, furniture, electric installation, ceiling and flooring portion of first floor, severely damaged by fire, heat, smoke and water.	1,85,000
4-3-1977 02.35 hrs.	Nari Seva Sadan, Road, Shivpuri Hill Road, Chhatkopar.	Gunny bags.	Firemen with engine lines Motor Pump.	6 Utensils, cot, ornaments, structure of the of sheds, large quantity of empty guny bags, few garments, office files and records etc., elonging to each owner of the shed severely damaged by fire, heat, smoke and water.	7,00,000

APPENDIX No. III.

Brief details of Serious House Collapses during the year 1976-77.

Date and Time	Place	Death	Injury	Details
1	2	3	4	5
6-6-1976 1735 hrs.	7, Mohamed Mansion Sitaram Patkar Marg, Pan Gully	3	1	Entire rear side portion of six floored brick walled, timber framed building had collapsed, 4 persons were buried under the debris.
14-7-1976	Byculla House, Sir J. J. Road	...	4	A cement shed, sign-board supported with steel and some portion of weather shed of the ground floor eating house of R.C.C. building collapsed injuring 4 pedestrians.
9-8-1976	101-103, Dr. Babasaheb Jaikar Marg, Thakurdwar Road, Bombay	3	1	The front portion of first floor and second floor together with the tiled roof of the three floored building under repairs gave way causing injuries to 4 pedestrians.
15-8-1976	19, Thokarsi Jiwraj Building Keshavji Naik Road.	...	12	Entire front portion of five floored brick walled, timber framed structure consisting of living room, shops on ground floor collapsed injuring 12 persons.
18-8-1976	Abdullah Zakeria Masjid Street, Bombay.	6	10	Front side flooring consisting of living room of a western wing on 1st, 2nd and 3rd floor of a five floored building, brick walled structure caved in resulting into the death of six persons and injury to 10 persons.
16-12-1976 1929 hrs.	Bajaj Godown, Acharya Donde Marg, Sewree, Bombay.	6	14	Cement concrete slab being cast on a ground floored, brick and stone walled structure given way thereby injuring 20 persons where 6 persons were declared as dead and 14 persons were severely injured.
28-1-1977 1605 hrs.	Victoria Building, Sayad Abdulla Brelivi Road.	2	8	Entire R.C.C. balcony of 2nd floor of a five floored brick walled and R.C.C. framed building had collapsed.

APPENDIX No. IV.

Types of Rescue	In fires	In Accidents	Total
(1) Persons rescued alive with burnas and/or injuries and subsequently recovered.	209	390	599
(2) Persons rescued alive with burns and/or injuries but subsequently died.	285	308	593
(3) Human lives lost before arrival of the Brigade	111	27	138
(4) Casualties amongst Fire Service Personnel	12	...	12
(5) Animal lives rescued.	14	75	89

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 1975-76.

Sr. No.	STATIONS.	NUMBER OF FIRE ALARMS ATTENDED.	HOW CALLED					HOW ATTENDED														HOW EXTINGUISHED.									
			Municipal.	Private.	By Strangers.	By Fire Alarms.	Control Room.	Total.	STATION APPLIANCES				ADDING APPLIANCES.																		
Motor Pump carrying Fire or Ladder.	Extension.	Fire Unit.							Escape.	Extensio.	Motor Turn table Ladder.	Fire Unit.	Trailer Pumps.	Motor Emergency Tender.	Control Post.	Hose Lorry.	Sund.	Buckets.	Chemical Extinguishers.	Hand Pumps.	First Aid Appliances.	Hydrants.	No. of Motor Pumps.	No. of Jets.	B. A. Sets.	Automatic Sprinkler heads actuated.	Foam Equipment.				
1	Cajals	10	1	20	12	135	167	108	32	...	22	8	17	1	3	1	...	32	6	...	7	1	10	17	...	1	...				
2	Fort	9	2	25	11	140	176	42	31	...	20	4	12	1	2	1	...	20	2	4	...	3	8	9	12	...	...		
3	Memonsada	11	...	40	20	432	472	487	87	...	59	3	24	...	14	10	1	...	107	52	...	16	...	7	10	...	...		
4	Gowalia Tank	2	3	26	21	330	382	262	85	...	46	2	23	...	12	8	2	...	101	46	2	...	5	...	8	9	...	...	
5	Bycolia	...	...	69	2	145	216	233	34	...	18	10	9	...	...	6	2	2	76	45	...	...	1	6	15	...	...		
6	Worli	8	...	32	...	232	272	235	102	...	57	69	4	1	23	2	3	3	61	10	114	...	8	13	21	27	...	...	
7	Dadar	...	...	16	10	270	296	279	19	2	133	17	1	...	9	5	2	2	46	36	363	...	21	12	...	20	3	...	
8	Shivaji Park	1	...	32	...	140	172	1	172	...	25	...	...	...	8	1	...	28	8	...	5	1	2	2	...	...	1	...	
9	Indira Dock	3	26	6	5	82	22	100	63	11	91	13	3	...	1	10	3	...	9	1	6	...	...	14	25	7	...	...	
10	Mandvi	3	...	40	1	458	502	299	224	1	...	113	...	42	39	120	9	2	25	96	29	...	8	1	105	92	...	1	...		
11	Sewree	...	...	17	2	110	129	126	2	...	70	46	4	1	39	1	4	4	19	12	46	...	10	4	58	60	...	1	1
12	Andheri	32	...	650	682	407	256	1	...	150	...	32	44	32	19	5	71	68	39	...	16	1	107	116	6	...	
13	Vikhroli	5	...	55	...	203	263	...	232	...	118	...	...	...	35	49	7	5	37	31	77	...	2	1	93	81	...	...	...
14	Chembur	6	...	18	...	140	164	8	168	...	1	23	10	...	7	2	1	...	4	10	53	...	10	5	8	4	...	...	...
15	Dharavi	2	...	12	2	150	166	2	...	...	...	20	9	...	8	...	...	...	2	8	2	...	8	4	2	3	...	...	...
16	Deonar	...	...	11	...	39	50	...	50	...	...	29	...	...	8	3	...	...	11	2	1	...	2	...	19	19	...	...	...
17	Mulund	...	...	40	...	84	124	...	128	...	...	43	...	...	10	20	...	...	10	10	47	...	5	19	27	...	...	...	...
18	Raoli Camp	...	...	18	...	23	41	...	41	...	8	10	...	...	3	3	...	...	16	5	...	...	...	...	5	13	...	...	...
19	Kandivali	7	...	39	46	...	46	21	3	3	5	5	2	...	2	...	5	13	38	...	
Total		60	32	516	84	3807	4484	2609	1843	15	561	719	116	78	265	275	53	23	688	413	790	123	57	474	552	10	2	51	

APPENDIX No. VII.

Fires and losses for the period from 1972-73 to 1976-77.

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

APPENDIX No. VIII.

Special Service Call

Sr. No.	Date and Time	Place	Death	Injury	Details
1	27-2-1977 1623 Hrs.	L. B. S. Marg, Powai Road, Bombay.	1	75	A bus bearing Regn. No. BMS/5213 proceeding along Powai Road from West to East in considerable speed knocked down a pedestrian who died on the spot. 75 persons received injuries who were removed to hospital where they were treated.
2	29-1-1977 1820 hrs.	Canheri Caves, National Park, Borivali (W) Bombay.	...	28	A school carrying 77 boys and girls which was on a picnic to Canheri Caves had dashed against a tree and met with an accident. In all 28 children sustained injuries. They were removed to Bhagwati Hospital after rendering first aid for further treatment.

MUNICIPAL MARKETS

There are 86 Markets—68 Municipal and 18 Private under the control of the Corporation. In addition to this, 702 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 1010 personnel (Supervisory 6, Inspectorial 181, Indoor, Staff 54 and Labour staff 769).

The Markets are divided into 3 Units viz., City, Eastern and Western Suburbs and Eastern and Western Extended Suburbs.

Their relative position is as under :—

Unit.	Municipal Markets.	Private Markets.	Licences issued for outside shops.	Revenue collected	Expenditure.	
					Establishment.	Maintenance
				Rs.	Rs.	Rs.
(1) City ...	32	11	258	85,70,086	38,49,680	31,77,949
(2) Eastern and Western-Suburbs ...	26	2	330	13,07,676	12,11,963	6,69,916
(3) Eastern and Western Extended Suburbs...	10	5	114	6,02,388	4,23,682	2,13,485
Total ...	68	18	702	1,04,80,150	54,85,325	40,61,350

The Markets under Suburban area could not collect requisite revenue to support themselves this year. Although there is increase in the Revenue by about Rs. 2 lacs., the expenditure has also increased by about Rs. 5 lacs due to revision of grades, renovation and reconstruction works etc., thereby offsetting the increased income.

Even though Fish season was not satisfactory and arrival was much less than that of the previous year and also the cold storage plant at Mahatma Jyotiba Phule Market was out of order for a long period, the overall position was comparable to the previous year. During the year, revenue amounting to Rs. 1,04,80,150 was collected against the amount of Rs. 1,05,87,265 for the previous year. So also the expenditure for the year was Rs. 95,46,675 as against Rs. 76,83,659 for the previous year.

Surprise raids to detect smuggling of animals and unauthorised slaughter of animals were carried out regularly by the special staff. 10,855 places were raided and Rs. 2,46,250 were collected by way of fine and auction of stuff.

Immunization of cattle and dogs is being done by a board of Veterinary staff. During the year, 233 dogs and 41,298 milch cattle were immunised at 10 centres. The curative and preventive treatment to animals was continued at the Khar Veterinary Dispensary.

The following developments took place during the year :

City Markets :

- (1) Colaba Market ... 2nd phase construction work which has already started is expected to be complete within a year.
- (2) Mahatma Jyotiba Phule Market Cold Storage ... Cold storage mutton and vegetable chambers have been put into commission from 1-10-1976 after necessary repairs.
- (3) Masjid Bunder Market ... A temporary market is being constructed for shifting the dealers from the existing Market to vacate the same for reconstruction.
- (4) Babu Genu Market ... 1st phase construction which includes ground and four upper floors have been completed and 2nd phase construction is started. It is only a ground floor structure to house the fish section.
- (5) Elphinstone Road Market ... A temporary market is constructed and the vegetable section is shifted as a transitory arrangement. The Elphinstone Road Market is demolished for development of permanent Market thereat.
- (6) Prof. D.K. Mandai, Lower Parel ... Construction of a temporary Market is completed and all sections in the Market 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. A temporary shed was constructed for wholesale mango business for a period of three months on the open plot on the North side of New Dadar Market.

Markets in Eastern and Western Suburbs :

- (1) Khar Market ... Space-holders from Central Pavilion Building have been shifted to 5th Road, Khar on temporary stalls specially constructed for shifting them. The work of construction of multistoreyed building at Central Pavilion at Khar market has been started.
- (2) Kalina Market ... The old Market has been shifted to the new Market constructed at Dispensary plot and old market is used as a depot for storing etc., by Ward Officer H/ East Ward.
- (3) New Vile Parle Market (East) Mor Bungalow Plot Allotment of alternate stalls is done to the shop-keepers of old Market at Munghibai Road, Vile Parle (East).
- (4) Chembur Naka Market ... Construction work of the Market (both Phases) is completed. The space/stall-shop-holders from old market have been shifted in the New Market. Allotment of shops on ground floor and some shops on the first floor to the shop-keepers affected due to road widening near Chembur Naka is in progress.
- (5) New Market at Hirachand Desai Road, Ghatkopar (West) Shifting of shop-keepers, coming in road widening of Mahatma Gandhi Road is in progress.
- (6) Deonar Hutment Colony Market; Fish, Beef and Part of Mutton Sections have been put into commission. Mode of allotment and fixation of stallage charges of Vegetable and Mutton Stalls are pending.
- (7) Temporary Markets ... Construction works of new temporary Market at D. N. Nagar, Andheri (West) and at Marol Village have been started.

Markets in Eastern and Western Extended Suburbs :

- (1) New Market at Sewaram Lalwani Road on Plot No. 36, Mulund (West). Allotment of alternate shops to the shop-keepers at Mulund Station Road is being finalised by Ward Officer 'T' Ward.
- (2) Plot No. 4 and 5 A at Mulund (West) Sewaram Lalwani Road. Private owner has already constructed the residential building. The ground floor is to be developed by the Corporation into a Municipal Market. Possession of the said plot is yet to be taken by the Corporation.
- (3) Temporary Market ... Construction work of new temporary Market at Somwar Bazar, Malad (West) has been started.

H. M. CHACHAD.

Ward Officer (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.

The Blood Powder produced at the Inedible Plant at the Abattoir is of international standard. Production of meat meal in addition to blood powder has been undertaken. 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 now rendered in 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 fertilizer or as poultry feed. During the year, 60 tons of meat meal was sold at the rate of Rs. 2,450 per metric ton.

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 was mainly air-lifted.

As was done last year, during Bakri-Idd Festival, special arrangements were made for sacrificial slaughter of animals in the Live Stock Market Sheds 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 Pharmaceutical Company continued the cattle calves slaughter at Deonar Abattoir for the Pharmaceutical use of production of food and mouth vaccine. Pharmaceutical concerns like Messrs. Sandoz Ltd., Messrs. Griffon Laboratories, Messrs. Immu Kimia, Messrs. Ciplas Messrs. Franco India, Messrs. Hafikine Institute and many other concerns continued to take the benefit of the facilities made available for collection of various glands etc. at Deonar Abattoir for the use of their pharmaceutical products.

Construction of 600 tenements is in progress. The construction of 4 more Live Stock Market Sheds was completed and the same have been put to use and the animals are now fully protected against sun and rain. The construction of meat van garage has been completed and put to use for repairing meat vans. The plans and estimates for additional lines in cattle unit have been nearing finalization.

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 Corporations have paid visits to the Abattoir.

Construction of the Pilot Project of Gobargas Plant has been undertaken this year and it is expected to be commissioned in the year 1977.

Dr. D. M. BAILUR,
General Manager,
Deonar Abattoir.

STATEMENT I.

Part—I.

	Buffaloes.	Bullocks.	M. B. Cs.	Sheep/ Goats.	Pigs.	Pigligns.	Total.
Brought							
1975-76	38,185	84,746	13,212	24,41,549	17,920	24	25,95,636
1976-77	71,183	92,161	13,467	33,12,115	18,756	59	35,07,741
Rejected							
1975-76	1,089	1,203	292	15,953	...	...	18,547
1976-77	2,066	1,441	495	14,823	...	...	18,826
Percentage of Rejection							
1975-76	2.8%	1.42%	2.21%	0.86%	...	...	...
1976-77	2.9%	1.55%	3.66%	0.44%	...	...	...
Animals Removed.							
1975-76	65	32	26	2,12,594	...	...	2,21,689
1976-77	412	143	14	2,80,481	...	...	2,81,050
Slaughtered.							
1975-76	40,962	86,819	11,739	17,36,299	17,910	29	18,93,758
1976-77	70,165	91,190	12,664	21,77,162	18,437	86	23,69,704

Part—II.

Meat,	Quantity Produced. (In Tons)		Condemned. (In Tons)		Percentage of condemnation.	
	1975-76	1976-77	1975-76	1975-76	1975-76	1976 77
(1) Beef	21,367.75	27,236.49	152.71	143.48	0.65%	0.52%
(2) Mutton	17,362.99	21,771.62	16.80	18.90	0.97%	0.83%
(3) Pork	540.18	554.83	5.61	6.57	1.02	1.19

STATEMENT II.

Revenue collected at Deonar Abattoir.

	1975-76.	1976-77.
	Rs.	Rs.
(1) Fair fees	25,40,823	35,95,484
(2) Slaughter fees	36,61,111	49,43,848
(3) Licence fee	44,500	49,345
(4) Blood fees	2,79,643	3,62,260
(5) Service charges for slaughtering of animals	48,09,129	89,80,371
(6) Miscellaneous Receipts	6,05,967	23,24,745
(7) Rent	2,70,712	2,63,515
Total	1,22,11,885	2,03,19,568

LICENCE DEPARTMENT

High-Lights :

(1) Money spent :

(a) Establishment : Rs. 48,50,398 (b) Other Rs. 1,39,200.

(2) Number of licences issued and amount realised. :

Section fo B.M.C. Act.	No. of Licences issued.			Revenue realised (in rupees)		
	Division I	Div. II	Div. III	Div. I	Div. II	Div. III
313(1)(b)(c)	43472	2641	704	46,37,963	1,29,987	56,241
313A/313B	6349	1788	559	38,71,975	13,78,356	5,28,893
328/328A	6232	1037	176	24,61,449	3,00,487	55,273
393, 394	63422	25969	11728	93,33,611	46,21,092	25,94,893

(3)	Prosecutions launched.			Fines inflicted (in rupees)		
	Div. I	Div. II	Div. III	Div. I	Div. II	Div. III
	1,688	1,400	562	2,31,375	1,84,582	82,425

Functions 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 B.M.C. Act, with a view to regularising storages of licensable commodities and trades and controlling steam whistles and steam trumpets etc.

(a) There was no revision of fees made during the past eight years and hence as advised by the Chief Accountant, licence fees were revised with effect from 1-4-1976.

(b) This year, the period of licence is changed from financial year to calendar year and licences were therefore, renewed once from 1-4-1976 to 31-12-1976 and thereafter from 1-1-1977 to 31-12-1977. Due to this change during the financial year 1976-77, the department has recovered fees for seven quarters instead of four quarters.

(c) 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 B.M.C. Act were started. Police complaints were also lodged under Section 516AA of the B.M.C. Act and defaulters got arrested.

(2) **Encroachment Section :** This wing controls hawkers and squatters by issue of licence and removes unauthorised hawkers from roads and footpaths.

(a) In order to have strict control over the unauthorised hawkers, the Encroachment removal work was arranged centrally from Head Office and weekly programmes were given to Lorry Staff to work in different Wards instead of working in one and the same ward. By making this little change, the work of removal improved due to which there is considerable increase in the recovery of redemption charges.

(b) The problem of unauthorised hawkers is a difficult one. The Hawkers Committee appointed by the Corporation has suggested to create Hawking Zones in each Ward, especially in Suburbs in consultation with Ward Councillors and Traffic Police. Such proposals are, therefore, submitted for sanction to the Hawkers' Committee and the Corporation periodically and licensed squatters from main roads and round about Railway Stations are shifted to these new places.

(3) **Stall Board etc., projection Section :** This wing deals with issue of permission for various types of projections viz., stall board, weather frame, over hanging awning, show cases, cupboards etc.

(4) **Advertisement Section :** This wing enforces Section 328 and 323A of the B. M. C. Act, and thereby regulates various types of Advertisements and skysign in the City and Suburbs.

(a) During the year, permission for hoardings at new sites in the 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 ft. in width.

(b) Some of the permitted hoardings were got removed on the grounds of nuisance and aesthetic point of view, on complaints from public.

(5) **Mass Raid Section :** At present there are 3 Mass Raid Sections, one for City, one for Western and one for Eastern Suburbs. These Mass Raid branches take 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 by filing prosecutions in court under Section 394 and also by lodging complaints to the respective police stations in Wards under Section 516AA of the B.M.C. Act are taken. Mass Raid Section arranges raids for removal of unauthorised hawkers in the Wards.

APPENDIX 'A'

Statement showing the number of licences and permits issued and fees recovered in the years 1974-75 to 1976-77.

Description	NO. OF LICENCES AND PERMITS									AMOUNT OF FEES REALISED								
	City			Suburbs			Ex. Suburbs			City			Suburbs			Ex. Suburbs		
	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77
	Rs.			Rs.			Rs.											
(1) Commodities and trades including Milk and its products (Sec. 394 & 412A)	46,533	57,916	61,775	16,031	21,640	22,631	9,845	10,786	11,550	29,58,271	26,36,081	92,74,805	13,47,516	14,27,808	43,34,625	2,69,519	7,95,455	25,91,272
(2) Blowing steam whistle (Sec. 393)	41	18	47	59	35	56	28	37	32	1,245	648	2,475	1,019	495	2,565	900	1,099	1,050
Total	46,574	57,934	61,822	16,090	21,675	22,687	9,873	10,823	11,582	29,59,516	26,36,729	92,77,280	13,48,535	14,28,303	43,37,190	7,70,419	7,95,554	25,92,222
(3) Transfer of fees (Sec. 394 and 412A)	1,813	1,573	1,600	354	315	3,232	243	250	146	15,213	14,097	56,331	5,772	2,901	2,83,902	2,643	2,614	2,571
Grand Total	48,387	59,507	63,422	16,444	24,990	25,919	10,116	11,073	11,728	29,74,729	25,50,826	93,33,611	13,54,307	14,32,204	46,21,092	7,73,062	7,97,168	25,94,893

APPENDIX 'B'

Statements showing the number of permits for advertisements issued and amount of fees collected during the year 1974-75 to 1976-77 under Section 328, 328A.

Description	NUMBER OF ITEMS									AMOUNT OF FEES (INCLUDING COMPOSITION)								
	CITY			SUBURBS			EXTENDED SUBURBS			CITY			SUBURBS			EXTENDED SUBURBS		
	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77	1974-75	1975-76	1976-77
	Rs. P.			Rs. P.			Rs. P.			Rs. P.			Rs. P.			Rs. P.		
(1) Wall posters boards and boards																		
(2) Movable boards and handcars																		
(3) Illuminated advertisements sky signs	5,550	4,988	6,232	1,180	999	1,037	235	243	176	18,35,239	22,31,384	24,61,449	3,16,814	4,19,930	3,00,487	55,613	85,656	55,273
(4) Non-illuminated sky signs																		
(5) Wall Paintings																		
Total	5,550	4,988	6,232	1,180	999	1,037	235	243	176	18,35,239	22,31,384	24,61,449	3,16,814	4,19,930	3,00,487	55,613	85,656	55,273

APPENDIX C
Statement showing the number of Hawkers Licences issued and amount of fees collected during the years 1974-75 to 1976-77

Description.	Year.	No. of Licences issued.			Amount of fees collected.		
		City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs.
(1) Squatter's fees collected in the reserved areas (under Sec. 313).	1974-75	6,000	6,881	420	10,42,476	3,01,660	99,882
	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
(2) Fees received from itinerant hawkers licences (under Section 313A).	1974-75	8,389	4,478	105	...	88,036	62,02
	1975-76	3,144	...	90	4,688	...	11,40
	1976-77	251	326	55	9,805	32,073	9,541
Total of Items 1 and 2	1974-75	14,389	11,359	525	10,42,476	3,89,696	1,06,084
	1975-76	9,111	1,767	537	11,42,111	3,91,217	1,79,534
	1976-77	6,349	1,788	559	19,45,493	6,15,238	2,00,688
(3) Recovery of expenses under (Section 490) for removal of Encroachments under Section 314.	1974-75	...	...	...	6,40,400	1,23,305	92,000
	1975-76	...	...	...	13,84,341	3,53,076	1,10,093
	1976-77	...	...	...	19,25,782	6,44,557	3,28,203
Final Total	1974-75	14,389	11,359	525	16,82,876	5,13,001	1,98,088
	1975-76	9,111	1,767	537	25,26,452	7,47,292	2,89,627
	1976-77	6,349	1,788	559	38,71,275	12,59,795	5,28,893

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 1976-77 Under Section 313(f) (b) (c).

No. of Licences issued.			Amount of fees collected.		
City.	Suburbs	Extended Suburbs.	City.	Suburbs	Extended Suburbs.
			Rs.	Rs.	Rs.
43,472	2,641	704	46,37,963	1,29,967	56,241

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, 69 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 2,03,122, and their classification is shown in Appendix A.

The total complaints received during the year were 1,799 out of which, 1788 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 10,604 and 10,799 prosecutions were decided and fines of Rs. 3,91,516 were inflicted.

The State Government did not sanction any grant-in-aid for the year 1975-76 and 1976-77 though the Corporation acted on behalf of the State Government.

The total expenditure incurred on different activities of this department during the year amounted to Rs. 13,17,148 (exclusive of provident Fund, Leave Contribution and Supervision charges). As against this, the total income by way of Registration ect, fees during the year amounted to Rs. 8,55,058.32.

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 9,385 out of which, 5,420 for shops, 3,306 for Commercial Establishments, 634 for Residential Hotels, Restaurants and Eating Houses and 25 for Theatres.

As a result of intervention of Inspectors of this Department an amount of Rs. 2,14,267.99 was distributed to 793 employees of different organisations by way of increase in wages, differences etc.

In all 942 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

Category.	City	Suburbs.	Ext. Subs.	Total
1. Shops	80,382	32,684	14,712	1,27,778
2. Commercial Establishments	50,647	8,213	5,330	64,190
3. Residential wHotels	408	97	431	936
4. Restaurants and Eating Houses	6,324	2,993	760	10,077
5. Theatres etc.	89	35	17	141
Grand Total	1,37,850	44,022	21,250	2,03,122

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	26	22	16	809	388	154	794	387	158	41	23	7
2. Payment of Wages Act 1936	9	...	...	231	57	3	234	57	3	6	...	...
3. Minimum Wages Act, 1948	16	2	...	154	3	...	152	3	...	18	2	...
4. Workmens' Compensation Act	...	...	...	...	...	...	...	...	...	...	...	...

S. D. BENDRE,
Chief Inspector, Shops Establishments.

MUNICIPAL GARDENS

- (A) Amount Spent : Rs. 5,44,701.00.
 (B) Maintenance of Gardens and Playgrounds etc.

Area	Gardens	Play-Grounds	Gardens attached to Municipal Buildings	Fountains	Band Stand	Box Hedge	Statues
City	145	60	14	30	6	1	6
Suburbs	91	11	3	8	2	1	3
Ext. Suburbs	35	4	6	2	...	...	1
Total	271	75	23	40	8	2	10
GRAND TOTAL : 429							

(C) Planting of Trees :

City	Suburbs.	Extended Suburbs.	Grand Total
6,037	4,837	7,346	18,220

The Garden Department has maintained 429 sites consisting of 271 gardens, 75 playgrounds and open spaces of various sizes, in the City, Suburbs and Extended Suburbs during the year under report.

Veer mata Jijabai Bhosle Udyā : Centrally located garden in the heart of the Bombay City is one of the best attractions to the visitors. Boating facilities, joy ride, modern play apparatus installed in the gardens were the main features and remained main attraction of the children.

As a part of our 'Grow More Tree' campaign, about 24,000 plants from the Botanical Gardens were distributed free of cost to Co-operative Housing Societies, Public Trusts, Colleges and Public Institutions for planting in their premises.

Zoo : Bombay Zoo is one of the leading Zoos in India. During the year under report, 5 lion cubs were born in the zoo. Protected animals like Chital, Sambar, Black-buck Ribfaced Deer are bred regularly with a steady increase in number. We have received three elephant calves and one black Panther in exchange of one Hippopotamus.

Regular annual painting, repair and maintenance of cages planting of the trees in the cages and enclosures to offer shade, natural environment to the animals/breeding facilities for birds/animals were provided during the year under report.

The dispensary for Zoo animals is also nicely maintained in the premises and better treatment is always given to the sick animals.

During the reporting year, we have incurred expenditure of Rs. 5,44,701 on Zoo as against the provision of Rs. 5,03,000.

There were 220 animals, 575 birds and 275 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 Dramas Social Gatherings and Tamashas etc., and it is becoming popular day by day.

Gateway of India Garden : The garden laid recently at Gateway of India with a fountain and lights, was the attraction during the year under report.

The gardens and playgrounds established in Eastern and Western Suburbs were kept under proper care and now the Nanda Deep garden at at Bandra etc., has become an attraction of Western Suburbs.

A Tree-plantation programme was under taken on a large scale specially to fight air pollution faced in major part of the City and we have planted 6037 plants in City, 4837 plants in Suburbs and 7346 plants in Extended Suburbs.

Research Centre : Two research centres have been started at Dadar Purification Plants and Love Grove Pumping Station. Experiments are carried out for planting of Road Side Trees suitable for Bombay environmental conditions. Besides citronella grass plantation is carried out at Dharavi Purification Plant.

J. C. 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 remained closed during this year also as the building is being reconstructed.

Details of books purchased, number of visitors, Income and Expenditure etc.

Particulars.	Division I		Division II		Division III.	
	1975-76	1976-77	1975-76	1976-77	1975-76	1976-77
Books Purchased	337	358	191	240	...	...
Cost of the books	Rs. 3,494	3,403	1,875	2,490	...	...
Number of visitors	98,918	97,511	12,714	14,531	...	...
Income	13,235	12,302	1,798	2,997	2,220	2,160
Expenditure excluding grant paid to the M. M. Granthsangrahalaya	1,25,308	1,20,224	15,856	16,723	...	1,536
Grant paid to the M. M. Granthsangrahalaya	1,50,500	1,44,000	18,000	39,500	24,250	27,000

V. N. BARVE,
Chief Librarian i/c Municipal Free
Reading Rooms and Libraries.

Dr. Bhau Daji Lad Museum

The Museum formerly known as Victoria and Albert Museum, was handed over to the Corporation by the Bombay Government, in 1885. It is renamed from 1st November 1975 as Dr. Bhau Daji Lad Museum, in his memory. The portrait of late Dr. Bhau Daji Lad, donated by the "Dr. Bhau Daji Lad Shatabdi Samaroha Samiti" was unveiled by Shri Manohar Joshi, Mayor of Bombay on 22nd May 1976.

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 & 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.

The rate of admission fee has been increased from 5 Paise to 10 Paise from 1st April 1976 which derived almost double the amount.

The grant of Rs. 21,906 has been sanctioned by the President of India for the purchase of equipment and for publication.

The Museum was kept open on 304 days during which period 6,91,449 visitors took advantage. Rs. 41,877 were collected by way of admission fee, sale of guide and fees for taking photographs.

Rs. 1,05,175 have been spent on maintenance of the Museum which includes establishment cost also. Receipt and expenditure for the previous year were Rs. 22,008 and Rs. 91,856 respectively.

V. N. BARVE,
Ag. Curator,
Dr. Bhau Daji Lad Museum.

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. Nine junior swimmers of the M. G. M. O. Swimming Pool participated in the National Aquatic Meet held at Patiala in June 1976. Six senior members of the M. G. M. O. Swimming Pool participated in the other National Aquatic Meet held at Secunderabad in October 1976.

(1) Financial

Swimming Pool		Income	Expenditure
		Rs.	Rs.
(1) M. G. M. O. Swimming Pool	...	3,38,988	2,88,171
(2) Sardar Patel Swimming Pool	...	1,37,361	1,34,301
(3) Ghatkopar Swimming Pool	...	1,70,712	1,31,115

(2) Swimmers

Swimming Pool	New Admissions	Casual Swimmers	School Children	No. of Institutions	Private Reservations
(1) M. G. M. O. Sw. Pool	7374	57918	1905	13	187 Hours.
(2) Sardar Patel Swimming Pool	4333	20275	2418	7	36 Hours.
(3) Ghatkopar Swimming Pool	3041	45187	1222	4	26 Hours.

S. N. PINGE,
Manager,
 M. G. M. O. Swimming Pool.

Raja Dr. Baldevdas Birla Kreedra Kendra

Raja Dr. Baldevdas Birla Kreedra Kendra is a multipurpose auditorium fully air-conditioned and equipped with push back type cushioned chairs with a seating capacity for 625 people patronised by private parties for Social and Cultural Activities on payment of scheduled charges. During the year it was engaged for 431 sessions of four hours each.

In its two children Halls, documentary films, cartoons, toy train are shown to the visitors free of charge. The children hall and the boat house are also utilised by private organisations for drama rehearsals and meetings on payment of moderate fees.

Various Municipal Departments also arranged their programmes at Birla Kreedra Kendra Auditorium. These programmes included:

1. One Act Play competitions of Welfare Centres of Labour Department.
2. Inter-Ward and Inter-Departmental Dramatic Competitions arranged by Labour Department.
3. Sports and Guide Meetings of Education Department.
4. Exhibition of Bal Bhavan Centres.
5. Prize Distribution Functions of Education Department.
6. Mayor's Awards and other functions arranged by Municipal Secretary and Public Relations Department.
7. Farewell Functions to Staff.
8. Main Lottery Draws by the Government of Maharashtra.

The Kendra has provided a First Grade Restaurant on its premises. The terrace garden is used by the Public for sight-seeing. The garden is used for Lunch and Dinner Parties as well as for marriage receptions.

During the year an amount of Rs. 1,97,210 was collected by way of revenue. As against this Rs. 1,47,560 were expended on staff and maintenance of auditorium.

V. V. KULKARNI,
Manager,
 Birla Kreedra Kendra.