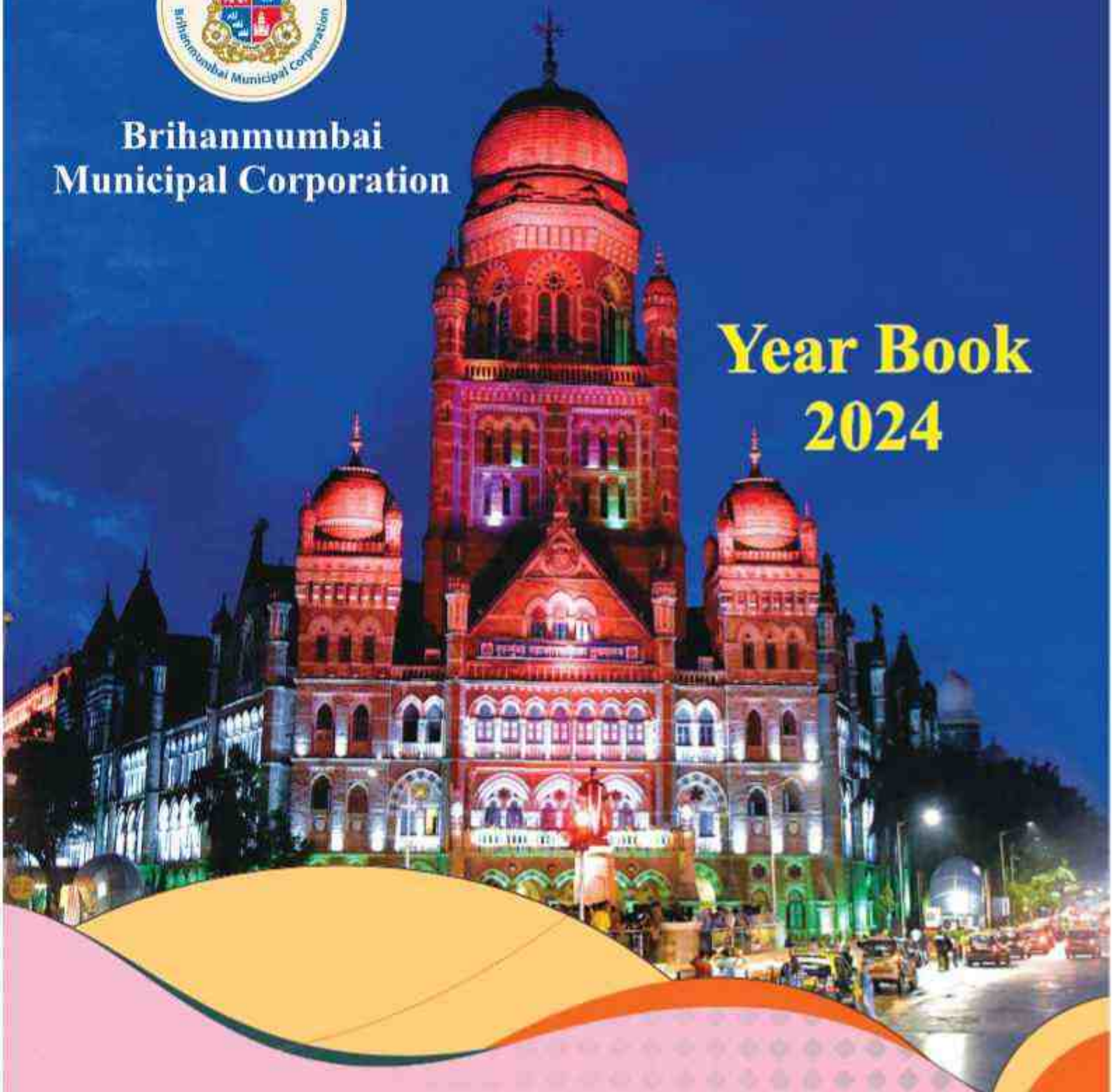
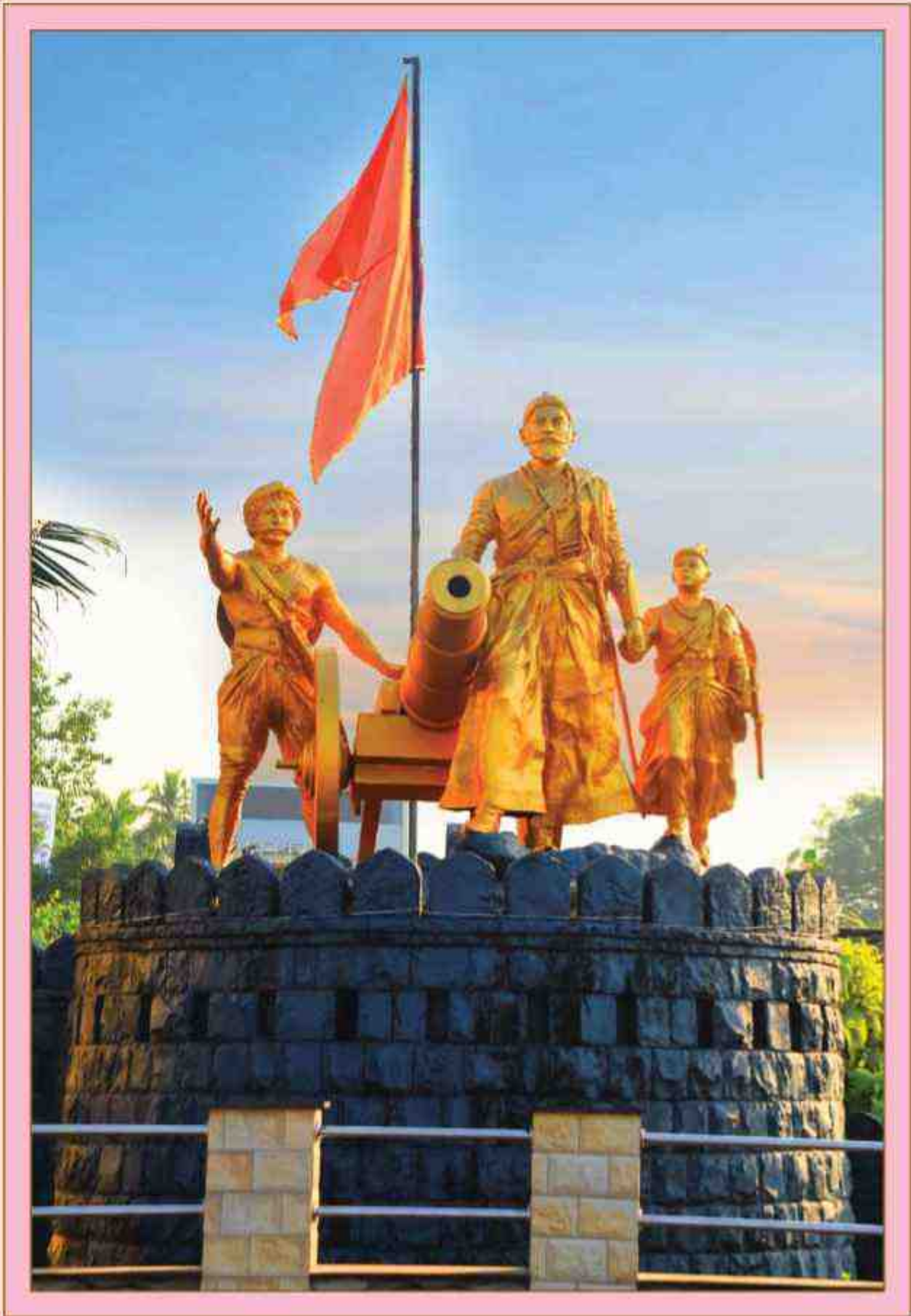




**Brihanmumbai
Municipal Corporation**

**Year Book
2024**





Statue of Chhatrapati Shivaji Maharaj at Juhu



**BRIHANMUMBAI
MUNICIPAL CORPORATION**

...
YEAR BOOK
2024
...

Published by Smt. Shubhangi V. Sawant, Municipal Secretary for the
Brihanmumbai Municipal Corporation, Municipal Head Office,
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Printed by : Manager,
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COAT OF ARMS



Brihanmumbai Municipal Corporation

The four-panel shield is supported by an interwining floral border in gold colouring. A lotus in bloom, emblem of purity and beauty, is at the bottom and the lion puissant surmounts it. The panels are inscribed as follows :-



The concept embodied is the position of Mumbai as indeed the Gateway of India.



A symbolic factory inscribed in a general wheel signifies the industrial importance and greatness of Mumbai.



The three sailing ships in outline denote Mumbai's pre-eminence as a port and commercial centre.



A symbolized diagram of the Corporation main building depicting the seat of Local Self-Government in Brihanmumbai.

At the base shield, the motto in Sanskrit "यतो धर्मस्ततो जयः" is inscribed.

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The Brihanmumbai Electric Supply &
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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial reporting and auditing. The text notes that incomplete or inaccurate records can lead to significant errors and potential legal consequences.

2. The second section addresses the challenges associated with data management in large organizations. It highlights the need for robust systems to handle vast amounts of information efficiently. Key points include the importance of data security, regular backups, and the implementation of access controls to prevent unauthorized use or leakage of sensitive data.

3. The third part of the document focuses on the role of technology in modern business operations. It explores how digital tools and automation can streamline processes, reduce costs, and improve overall productivity. The text also touches upon the importance of staying updated with the latest technological advancements to maintain a competitive edge in the market.

4. The final section discusses the importance of continuous learning and professional development. It encourages individuals and organizations to invest in training and education to stay relevant in a rapidly changing industry. The text suggests that ongoing learning can lead to innovation and the discovery of new opportunities for growth and success.



Shri Bhushan Gagrani, Administrator, Brihanmumbai Municipal Corporation

It gives me a great pleasure as Administrator to write the foreword for the first time, for the Year Book 2024 of the Brihanmumbai Municipal Corporation, on the occasion of Indian Independence Day.

Mumbai city is well known globally as the Industrial and financial capital of the country. Citizens of many castes, religions live contentedly in Mumbapuri in a diverse culture.

Brihanmumbai Municipal Corporation is one of the best autonomous bodies of India. Since its inception, it has been doing substantial work in the areas of education, public health, water supply, fire safety, civic services facilities, art and culture, preservation of heritage structure and the mission of providing effective and excellent services to the citizens.

The Brihanmumbai Municipal Corporation is responsible for meeting the needs of 1.25 crore citizens of Mumbai in terms of water supply, waste management, roads, sewerage disposal, health services, education facilities, recreation grounds, playgrounds etc. To deal with water scarcity, the supply of clean water should focus on limiting its usage and enabling recycling. Part of Mumbai's much talked and most awaited Coastal Road Sea project from Bindu Madhav Thackeray Chowk to Nariman Point was inaugurated. This has provided great relief to the millions of Mumbaikars facing traffic congestion problem. Due to ever increasing urbanization the collection and disposal of solid waste has become a major problem. Public participation is need of the hour to overcome this issue. The responsibility of keeping this city clean, green, beautiful, plastic free and thereby pollution free is not only the responsibility of Brihanmumbai Municipal Corporation but also all of us. Therefore, collective efforts from people of all stratas of society are required.

The annual publication briefly traces the history of various stages of the development of various activities implemented by the Civic administration.

My special thanks to the Municipal Secretary, Public Relation Officer, Manager, Municipal Printing Press, Director, IT and their staff for their endeavour to make this Year Book – 2024 an informative and vital digital publication.

**Bhushan Gagrani,
Administrator**

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and government operations. The text notes that without reliable records, it becomes difficult to track the flow of funds and resources, which can lead to inefficiencies and potential misuse.

2. The second section focuses on the role of technology in enhancing record-keeping and data management. It highlights how digital systems can provide a more secure and accessible way to store and retrieve information. The document suggests that investing in modern software and hardware solutions can significantly reduce the risk of data loss and improve the overall efficiency of the record-keeping process. It also mentions the importance of ensuring that these systems are regularly updated and maintained to prevent security vulnerabilities.

3. The third part of the document addresses the challenges associated with data privacy and security. It acknowledges that as the volume of data increases, the risk of unauthorized access and data breaches also grows. The text provides several recommendations for mitigating these risks, including implementing strong encryption protocols, conducting regular security audits, and ensuring that all personnel have access to only the information necessary for their roles. It also stresses the importance of educating staff about data security best practices to create a culture of awareness and vigilance.

4. The final section discusses the importance of regular audits and reviews to ensure the integrity and accuracy of the records. It suggests that periodic audits can help identify any discrepancies or errors in the data and allow for timely corrections. The document also notes that audits can provide valuable insights into the overall performance of the record-keeping system and highlight areas for improvement. It concludes by emphasizing that a commitment to high standards of record-keeping is essential for the long-term success and credibility of any organization.

PREFACE

I have a great pleasure in writing preface to the Year Book of the Brihanmumbai Municipal Corporation, which publishes every year on the occasion of Independence Day. This publication is published in Marathi and English languages.

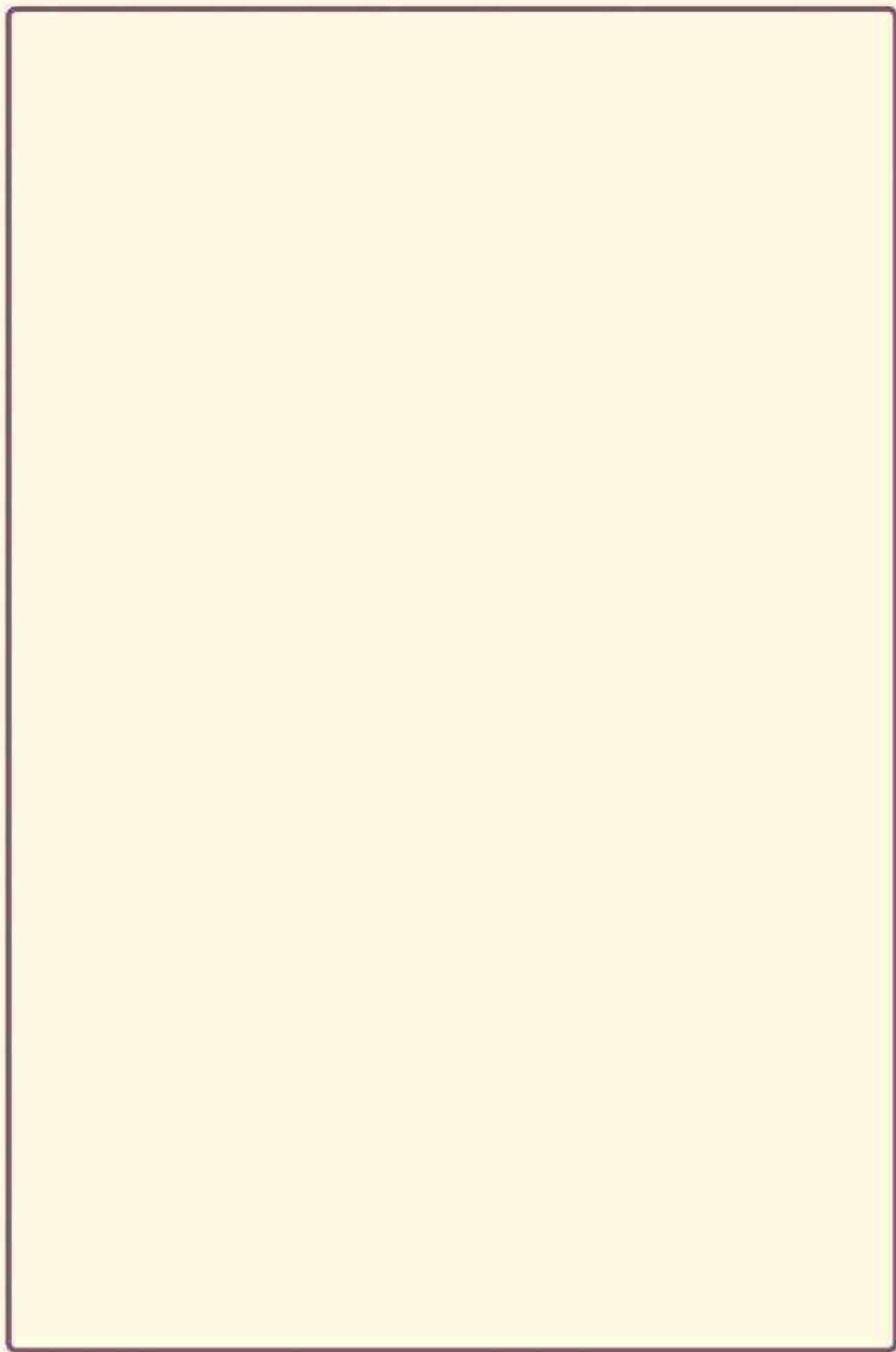
The aim and objective of publishing this Year Book is to provide a explicit framework of the Civic Government of Greater Mumbai; its history and important role it plays in catering the various civic needs of the citizens of Mumbai which is the financial capital of this country. Apart from briefly furnishing a vivid picture of the manifold services of the Corporation, the importance of this publication is further enhanced by insertion of latest photographs which highlight the special feature of the working of some important Civic Departments. Thus, the publication has become more instructive, educative and informative.

By providing continual civic services and amenities to crores of citizens, Brihanmumbai Municipal Corporation has become one of the leading Municipal Corporation not only in India but also in Asia. Last year on 4th September 2023, the Brihanmumbai Municipal Corporation, as also the Municipal Secretary's Department have completed 150 years. It is indeed an event to be proud of to complete one and half century of incessant service in the history of any Organization. Brihanmumbai Municipal Corporation has adopted and enriched the best practices of democratic governance by disciplined administrative work. The administration is constantly striving to maintain its prestigious position as the 'Best city of India'.

I would like to express my sincere thanks to all the Heads of the Departments for their co-operation in publishing this publication. I would like to make a special mention here, the co-operation extended by the Public Relations Officer and Manager, Municipal Press for making the layout of this publication very neat and attractive. Besides, for the first time, from this year, the Year Book is being launched digitally (through 'QR Code'). For that I would like to extend my special thanks to Director (Information Technology) and his staff for their valuable co-operation. Also, I highly appreciate the diligent efforts of my office staff to complete the work of this publication in a timely and accurate manner.

Mumbai, 15th August 2024.

**Shubhangi V. Sawant,
Municipal Secretary.**





Brihanmumbai Municipal Corporation
Municipal Commissioner
Brihanmumbai Municipal Corporation



Shri. Bhushan Gagrani

**Additional Municipal Commissioners and
Municipal Secretary**



Dr. (Smt.) Ashwini Joshi
Additional Municipal
Commissioner
(City)



Shri. Amit Saini
Additional Municipal
Commissioner
(Eastern Suburbs)



Shri. Abhijit Bangar
Additional Municipal
Commissioner
(Project)



Smt. Shubhangi V. Sawant
Municipal Secretary



Brihanmumbai Municipal Corporation

Joint Municipal Commissioners



Shri Gangatharan D.
Jt. Municipal Commissioner
(Vigilance)



Shri Milin D. Sawant
Jt. Municipal Commissioner
(General Administration)



Shri Sunil M. Dhamane
Jt. Municipal Commissioner
(A & C)



Shri Chandrashekhar D. Chore
Jt. Municipal Commissioner
(M. C. O.)



Shri Vijay M. Balamvar
Jt. Municipal Commissioner
(C.P.D.) & Co-ordinating Officer
(PM SVANIDHI) & Liasion Officer
(B.C.Cell) & Election Planning etc.



Shri Vishwas V. Shankarwar
Jt. Municipal Commissioner
(Zone - IV)



Brihanmumbai Municipal Corporation

Dy. Municipal Commissioners



Shri Devidas Kshirsagar
Dy. Municipal Commissioner
(Zone- V)



Shri Sanjog Kabare
Dy. Municipal Commissioner
(Improvement) and
(S.W.M.) (Addl. Charge)



Dr. (Smt.) Bhagyashri Kapse
Dy. Municipal Commissioner
(Zone - VII)



Shri. Sanjay Kurhade
Dy. Municipal Commissioner
(Public Health) and
Project Director, Mumbai
District Aids Control Society



Dr. (Smt.) Sangeeta Hasnale
Dy. Municipal Commissioner
(Zone - I)



Smt. Chanda Jadhav
Dy. Municipal Commissioner
(Education)



Shri Kishor Gandhi
Dy. Municipal Commissioner
(Garden)



Shri Prashant Sapkale
Dy. Municipal Commissioner
(Zone - II)



Shri Prashant Galkwad
Dy. Municipal Commissioner
(Finance)



Brihanmumbai Municipal Corporation

Dy. Municipal Commissioners and Directors



Shri Vishwas P. Mote
Dy. Municipal Commissioner
(Zone - III)



Shri Kiran Dighavkar
Dy. Municipal Commissioner
(Special) (Addl. Charge)



Shri Santoshkumar Dhonde
Dy. Municipal Commissioner
(Zone - VII) (Addl. Charge)



Shri Minessh D. Pimple,
Dy. Municipal Commissioner
(Environment)



Shri Satish Chavan
Dy. Municipal Commissioner
(Engineering)



Shri Shashank Bhore
Director, (E.S. & P.)
(Addl. Charge)



Shri Yatin Dalvi
Dy. Municipal Commissioner
(Special Engineering)



Brihanmumbai Municipal Corporation

Dean of the Hospitals



Dr. (Smt.) Neelam Andrade,
Director, Medical Education &
Major Hospitals &
Dean, Nair Dental Medical College



Dr. Mohan Joshi,
Dean,
L. T. M. G. Hospital &
Medical College



Dr. Shailesh Mohite,
Dean,
Hinduhridaysamrat Balasaheb
Thackeray Medical College &
Dr. R. N. Cooper Hospital



Dr. (Smt.) Sangeeta Ravat,
Dean,
K.E.M. Hospital &
Seth G. S. Medical College



Dr. Sudhir Medhokar,
Dean,
B. Y. L. Nair Hospital &
T. N. Medical College



Dr. Chandrakant Pawar
Chief Medical Superintendent (I/C)
and H.O.D (Secondary
Healthcare Service)



Shri Tanaji Kamble,
Public Relations Officer

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations. The text notes that without proper record-keeping, it would be difficult to track expenses, revenues, and other financial data, which could lead to mismanagement and potential legal issues.

2. The second part of the document outlines the specific procedures for handling financial records. It details the steps for recording transactions, including the use of standardized forms and the requirement for proper documentation. The text also mentions the importance of regular audits and reviews to ensure that the records are up-to-date and accurate. It states that any discrepancies or errors should be reported immediately to the appropriate authorities for investigation and correction.

3. The third part of the document addresses the security and confidentiality of the records. It stresses that all financial information is considered sensitive and should be protected from unauthorized access. The text provides guidelines for secure storage, access control, and the handling of records in the event of a data breach or loss. It also mentions the importance of regular backups and the use of secure communication channels for any sensitive information.

4. The fourth part of the document discusses the retention and disposal of records. It specifies the minimum retention periods for different types of financial records, based on applicable laws and regulations. The text also outlines the procedures for the secure disposal of records that have reached the end of their retention period, ensuring that all sensitive information is properly destroyed and cannot be recovered.

5. The fifth and final part of the document provides a summary of the key points and reiterates the importance of strict adherence to these procedures. It encourages all staff members to take their responsibilities seriously and to report any concerns or questions to their supervisors. The text concludes by stating that these procedures are designed to ensure the integrity and reliability of the organization's financial records, which is essential for its long-term success and compliance with legal requirements.



Important Information

Important Information Relating to BRIHANMUMBAI MUNICIPAL CORPORATION

Evolution of the Corporation : Section - I

1807	Court of Petty Sessions -Two Magistrates and a Justice of Peace.
1845	Board of Conservancy - Civic Heptarchy.
1858	Board of three Commissioners.
1865	Corporate Body with one Municipal Commissioner and Justices of Peace.
1872	Regular Corporation formed with 64 Members, Rate (tax) Payers having right of voting (<i>vide</i> BombayAct No.III of 1872).
1873	First Meeting of the democratic civic body held on 4 th September 1873.
1888	Three Co-ordinated authorities were created viz (1) The Municipal Corporation. (2) The Standing Committee. (3) The Municipal Commissioner (Executive Power vested in the Commissioner). (<i>Vide</i> BombayAct III).
1907	The full responsibility of Primary Education was entrusted to the Corporation.
1922	Instead of rate (tax) payers only, rent payers were also given right of voting (<i>vide</i> BombayAct No. IV).
1931	Designation of 'President' was changed to that of 'Mayor' (<i>vide</i> BombayAct No. XXI).
1933	Improvements Trust was merged with the Corporation on 1 st October 1933 (<i>vide</i> BombayAct No. XIII of 1933).
1947	B. E. S. & T. Co. Ltd. was municipalised on 7 th August 1947.
1948	Elections on adult franchise basis were held for the first time.
1950	Suburbs were merged with the Corporation (<i>vide</i> Bombay Act No. VII of 1950).
1952	Hitherto there was some ex-officio membership (<i>i.e.</i> Police Commissioner, Chairman, B. P. T., Executive Engineer, Presidency Division, P.W. D. Govt. of Bombay etc). All such special representations were done away with and the Corporation became a fully elected body. (<i>vide</i> BombayAct No.XLVIII of 1950).
1957	Extended Suburbs were merged with the Corporation (<i>vide</i> Bombay Act No. LVIII of 1956).
1963	140 Single member constituencies were introduced. The term of the Corporation was raised from 4 years to 5 years.



Important Information

- 1968 Elections were, accordingly, held for the first time (*vide* Maharashtra Act No. XXXIII of 1966).
- 1972 Marathi (the State Language) was adopted as the official language of the Corporation (*vide* C. R. No. 1959 of 30-3-1972).
- 1973 Corporation's Centenary Celebrations.
- 1976 Provisions for reservation of seats for Councillors belonging to Scheduled Castes, (*vide* Maharashtra Act No. XLII of 1976).
- 1982 (i) Golden Jubilee of the Mayoral Institution was celebrated on 25th March 1982.
(ii) The number of seats of Councillors was increased from 140 to 170 (*vide* Maharashtra Act No. XXV of 1982).
- 1983 (i) Golden Jubilee of the Improvements Committee was celebrated on 7th November 1983.
(ii) The Government of Maharashtra by its Notification, dated the 3rd March 1983, extended the period for retirement of the Councillors by one year *i.e.* upto the noon of the first day of April 1984.
(iii) Provision for appointment of one or more persons as Additional Municipal Commissioners (*vide* Maharashtra Act No. XLIII of 1983).
- 1984 Appointment of Administrator (*vide* Maharashtra Act No. VII of 1984) with effect from 1st April 1984.
- 1985 (i) Appointment of Administrator continued (*vide* Maharashtra Act No. III of 1985).
(ii) Elections for 170 seats held on 25th April 1985 and the new Corporation came into existence from 10th May 1985.
- 1987 Mumbai Fire Brigade's Centenary Celebrations.
- 1989 (i) Number of seats on the Standing Committee, the Improvements Committee, the Education Committee, increased from 16 to 20 and that of the B. E. S. & T. Committee from 9 to 12 (*vide* Maharashtra Act No. XXI of 1989).
(ii) Person completing the age of 18 years on the date notified by the State Government in that behalf made eligible to enroll in the Municipal Election Rolls (*vide* Maharashtra Act No. XXVIII of 1989).
- 1990 (i) A voter completing the age of 21 years on the last date specified for making nominations for any General Election or Bye-Election made eligible to contest the Ward Election (*vide* Maharashtra Act No. XII of 1990).



Important Information

-
- (ii) Reservation of thirty percent seats for women (including the number of seats reserved for women belonging to Scheduled Castes), out of the total number of seats (*vide* Maharashtra Act No. XIII of 1990).
-
- 1991 (i) The number of single Member Constituencies was fixed to 221 (*vide* Notification under No. BMC-1091/CR-28/91/-UD-20, dated 28th February 1991, published in Extra-ordinary Gazette).
- (ii) Acworth Leprosy Hospital at Wadala was taken over by the Brihanmumbai Mahanagarपालिका w.e.f. 1-4-1991 (*vide* C. R. No. 881 of 27-11-1991) and named as "Acworth Municipal Hospital for Lepers".
-
- 1992 (i) Ninth General Election for 221 seats (including 30% seats reserved for women) held on 25th February 1992 and new Corporation came into existence from 7th March 1992.
- (ii) Centenary Celebrations of Kasturba Hospital for Infectious Diseases, held on 12th March 1992.
- (iii) Centenary Celebrations of Tansa Dam held on 29th March 1992 at Tansa.
- (iv) Number of seats on the Standing Committee, the Improvements Committee, the Education Committee, increased from 20 to 27, 20 to 26, 20 to 26 respectively and that of the B. E. S. & T. Committee from 12 to 17 (*vide* Maharashtra Act No. XXI of 1992).
-
- 1993 (i) Centenary Celebration of the Corporation Hall and Corporation Head Office Old Building, held on 16th January 1993 and 31st July 1993, respectively.
- (ii) The strength of the Special Committees appointed by the Corporation under Section 38A (1) of the M.M.C. Act, increased from 24 Councillors to 36 Councillors (*vide* C. R. No. 1066 of 17-12-1993).
-
- 1994 In pursuance of the 74th Amendment to the Constitution of India, the following vital amendments to the M.M.C. Act made by Maharashtra Act No. XLI of 1994 :-
- (a) Five Nominated Councillors.
- (b) Reservation of one-third seats for Women including Scheduled Castes/Tribes, etc.
- (c) Reservation of twenty-seven percent, out of total number of seats for the members belonging to the Backward Class of Citizens.
- (d) Reservation of the Office of the Mayor of all Corporations in Maharashtra State, by rotation for the members belonging to the Scheduled Castes/Tribes, Backward Class of Citizens and Women.
-



Important Information

-
- (e) Supervision, direction and control for the conduct of Municipal election vest with the State Election Commissioner instead of Municipal Commissioner.
- (f) Constitution of Wards Committees.
-
- 1996 (i) Celebration of Platinum Jubilee of B. Y. L. Nair Charitable Hospital and Topiwala National Medical College (from 4th September 1995 to 3rd September 1996).
- (ii) In accordance with reservation of Office of Mayor for Backward Class of Citizens, the Mayor was appointed accordingly for the first time.
- (iii) Restoration of name "Mumbai" for 'Bombay' (*vide* Maharashtra Act, No. XXV of 1996).
-
- 1997 (i) Refixation of number and boundaries of the Municipal Electoral Wards.
- (ii) Tenth General Election held on 23rd February 1997 under supervision, direction and control of State Election Commissioner. New Corporation came into existence on 10th March 1997.
- (iii) 5 Nominated Councillors appointed on 10th March 1997 for the first time.
-
- 1998 Introduction of 'Mayor-In-Council system' in the Brihanmumbai Mahanagarपालिका with effect from 19th April 1998, by amending the Mumbai Municipal Corporation Act 1888 (*vide* Maharashtra Act No. X of 1998, and No. XIII of 1998).
-
- 1999 (i) Mayor-In-Council was done away with and old set up of Municipal Corporation was revived (*vide* Maharashtra Act XXVII of 1999). Accordingly, Mayoral election was held on 29th April 1999.
- (ii) Introduction of the office of the Deputy Mayor and Leader of the Opposition (*vide* Maharashtra Act No. XXVII of 1999).
- (iii) Vesting of certain powers with the Mayor, (*vide* Maharashtra Act No. XXVII of 1999.)
-
- 2000 (i) Extending the tenure of Offices of the Mayor and Dy. Mayor upto 2½ years. (*vide* Maharashtra Ordinance No. VII of 2000)
- (ii) Establishment of 16 Wards Committees. (*vide* M.M.C. Act, 1888, amended upto date under Section 50 TT) with effect from 7th January 2000.
-
- 2002 (i) The number of seats of Councillors increased from 221 to 227 (*vide* Maharashtra Ordinance No. XXVIII of 2001).
-



Important Information

-
- (ii) Eleventh General Election held on 10th February 2002 under supervision, direction and control of State Election Commissioner. New Corporation came into existence on 10th March 2002.
- (iii) Introduction of the office of Leader of the House (*vide* Maharashtra Act No. XI of 2002).
- (iv) Year 2002-2003 was celebrated as Golden Jubilee Year of Raje Edward Memorial Hospital.
-
- 2007 (i) Refixation of number and boundaries of the Municipal Election Wards.
- (ii) Twelfth General Election held on 1st February 2007 under supervision, direction and control of State Election Commissioner. Electronic Voting Machines were used for the first time in this Municipal General Election. New Corporation came into existence on 10th March 2007.
- (iii) Change in the rules for the Conduct of Election to the office of Mayor and Deputy Mayor, New rules for voting by show of hands was introduced. (Vide Notification under No. BNM 5005/46/CR/7/Pt. IV/UD-32, dated the 15th February 2007).
- (iv) Change in the rules for the conduct of elections to the posts of the Chairman of the Statutory and Special Committees, New rules for voting by show of hands was introduced. (Vide Notification under No. BMC. 4007/59/CR 19/UD-32, dated the 21st February 2007).
- (v) Amendment to Mumbai Municipal Corporation Act, 1888 in respect of nominating the Councillors on the Committees, by taking into account the relative strength of the recognized or registered parties or groups in the Corporation after consulting the Leader of the House, the Leader of the Opposition and the Leader of each such party or group. (Vide Maharashtra Ordinance No. II, dated the 27th February 2007).
- (vi) Modification to the Rules and procedure for appointment of Nominated Councillors, by taking into account the relative strength of recognized parties and groups. (Vide Notification No. BNM/5007/60/CR 20/UD 32 of 21st February 2007 and No. BNM/5007/72/CR 22/UD-32 of 21st April 2007).
-
- 2011 Reservation of 50% seats for women in B. M. C. election out of the total No. of seats (*vide* Maharashtra Act No. XX of 2011).
-
- 2012 13th General Election was held on 16th February 2012 and new Corporation came into existence on 9th March 2012.
-



Important Information

-
- 2013 Establishment of two separate Ward Committees for 'M/East', and 'M/West' ward by splitting up 'M/East' and 'M/West' Ward Committee under Section 50 TT of the M.M.C. Act (Vide C.R. No. 1799 of 28th March 2013)
-
- 2017 (i) Refixation of boundaries of the Municipal Election Wards.
(ii) 14th General Election was held on 21st February 2017 and new Corporation came into existence on 8th March 2017.
(iii) 125th Anniversary Celebration of the Brihanmumbai Mahanagar Palika Head Quarter was flagged off on the 1st August 2017 by illuminating the Head Quarters with the decorative lighting. Such a way the Brihanmumbai Mahanagar Palika has become the first and one and only Corporation in India to illuminate the Head Quarters of the Corporation.
-
- 2021 (i) Brihanmumbai Municipal Corporation Head Quarters opened for public viewing as a part of Heritage walk initiative from 28th January 2021.
(ii) The Corporation vide their resolution No. 480 dated 4th March 2021 have accorded sanction to change the Marathi nomenclature of the post of Municipal Secretary from 'Mahanagar Palika Chitanis' to 'Mahanagar Palika Sachiv' and to change the nomenclature of the posts in various cadets in M.S.'s office accordingly.
-
- 2022 (i) Appointment of Administrator (vide Maharashtra Ordinance No. II of 2022) with effect from 8th March 2022.
(ii) The Corporation vide their resolution No.1513 dated 27th January 2022 accorded sanction to split 'P/ North' ward into two separate wards viz. 'P/ East' and 'P/ West'.
(iii) The Corporation vide their resolution No. 20 dated 10th May 2022 accorded sanction to split 'K/ East' ward into two separate wards viz. 'K/ North' and 'K/ South' and two established separate wards committee for 'K/ North' ward.
-
- 2023 (i) The delegation of the Disaster Risk Reduction working group of the G-20 Summit visited Brihanmumbai Municipal Corporation Headquarters on 23rd May 2023.
(ii) On 4th September 2023, Brihanmumbai Municipal Corporation and Municipal Secretary Department have completed 150 years.,
-



Important Information

Latest Important Statistical Data : Section - II

Area in kms.	:	483.14 sq. km.
Population (Census 2011)	:	1,24,42,373
Population Projected 2021	:	1,29,21,605
Lease Hold plots	:	4,177
Building Tenancies	:	3,505
Vacant Land Tenancies	:	3,668
Staff Quarters	:	2,860
Road Length in Kms.	:	2,050 kms.
Flyovers	:	48
Pedestrian Sub-ways	:	36
Road-over Bridges across Central and Western Railway tracks.	:	41
Foot-over Bridges across Railway tracks	:	24
Bridges across rivers/nallas/creeks, etc.	:	299
Vehicular subways across Railway tracks	:	17
Foot over Bridges	:	105
Sky walk	:	21
Eastern Free way	:	03
Total Traffic Signals	:	667
Total No. of Road Lamps	:	1,41,145
Total No. of Flashbeacons	:	208
Fire Stations	:	35
Birth rate per 1000 Population	:	10.03
Death rate per 1000 Population	:	7.17
No. of Municipal Employees	:	90,806 (Approx.)



Important Information

Garden Department Recreational Facilities

Sr. No.	Particulars	City	Western Suburbs	Eastern Suburbs	Total
1	Gardens (Except strip Gardens) / Park	21	168	112	301
2	Recreation Grounds	183	204	97	484
3	Play Grounds	49	193	116	358
4	Shilpgram	00	01	00	01
5	Fountains	17	17	08	42
6	Band Stands	01	01	01	03
7	Statues	56	10	14	80



Important Information

Finance (2024-25)

Section - III

**SIZE OF BUDGET ESTIMATES - 'A' (Fund code 11, 12, 60,70)
'B' (Fund code 21,22,23), 'E' (Fund code 30), 'G' (Fund code 40) and**

TREE AUTHORITY (Fund code 50)

(AS ADOPTED BY THE ADMINISTRATOR (CORPORATION))

(Rs. In Crores)

Details	Budget Estimates 2024-25	
	Income/Receipts	Expenditure
Revenue Income	35749.03	
Revenue Expenditure		28763.94
Capital Receipts	29431.76	
Capital Expenditure		36358.63
Total :	65180.79	65122.57
Excess of Income over Expenditure.		58.22
Size of Budget Estimates	65,180.79	65,180.79

Budget 'C' (BEST Undertaking)

(Rs. in Lakhs).

	Budget 2023-24	Budget 2024-25
Income	904247.71	938771.01
Expenditure	904246.71	938770.01
Surplus/Deficit	1.00	1.00
Capital Expenditure	177728.38	145852.98



Important Information

REVENUE ACCOUNT - BUDGET ESTIMATES A, B, E, G and
TREE AUTHORITY
(AS ADOPTED BY THE ADMINISTRATOR (CORPORATION))

		(Rs. in Crores)
Fund Code	Particulars	Budget Estimates 2024-25
REVENUE INCOME		
11	General Budget	26977.95
12	Health Budget	450.52
21	Improvement Schemes	119.20
22	Slum Clearance	1.85
23	Slum Improvement	45.35
30	Education Budget	1067.16
40	Water Supply and Sewerage	6997.85
50	Tree Authority	89.15
60	Provident Fund	...
70	Pension Fund	...
	Net Income	35749.03
REVENUE EXPENDITURE *		
11	General Budget	* 11701.80
12	Health Budget	5474.28
21	Improvement Schemes	238.53
22	Slum Clearance	7.44
23	Slum Improvement	157.16
30	Education Budget	2131.80
40	Water Supply and Sewerage	3393.45
50	Tree Authority	89.60
60	Provident Fund	8.88
70	Pension Fund	5561.00
	Net Expenditure	28,763.94
	Revenue Surplus during the year	6985.09

* Net of transfer to other budgets



Important Information

CAPITAL ACCOUNT - BUDGET ESTIMATE A, B, E, G & TREE AUTHORITY (AS ADOPTED BY THE ADMINISTRATOR (CORPORATION))

		(Rs. in crores)
Fund Code	Particulars	Budget Estimates 2024-25
Capital Receipts		
	Internal Temporary Transfer	16853.58
	Grants	243.35
	Sale Proceeds/Premium of Land & Building (Budget B)	550.00
	Net Withdrawal from Special fund/Reserve Fund	11773.33
	Others	11.50
	Total	29431.76
Capital Expenditure		
11	General Budget	23959.27
12	Health Budget	1716.85
21	Improvement Schemes	345.27
23	Slum Improvement	185.60
30	Education Budget	330.19
40	Water Supply and Sewerage	9820.00
50	Tree Authority	1.45
	Total	36358.63
Net Revenue Income + Net Capital Receipt		65180.79
Net Revenue Expenditure + Net Capital Expenditure		65122.57
Surplus During the Year		58.22



Important Information

(AS ADOPTED BY THE ADMINISTRATOR (CORPORATION))

(Rs. in Crores)

Sources of Revenue	Description	Rate (% of Rateable Value)	Income (Budgeted)
Property Tax	General Tax		1291.95
		0.110% to 0.800%	
Capital Value based from 01.04.2010 Residential and Non-Residential	Fire Tax		204.09
	Water Tax (Unmetered)	0.253% to 1.837%	158.69
	Water Benefit Tax	0.069% to 0.504%	1008.01
	Sewerage Tax	0.163% to 1.185%	344.01
	Sewerage Benefit Tax	0.043% to 0.311%	652.03
	Education Cess	0.041% to 0.296%	544.68
	Water Charges (By Measurement)	Rs. 3.24 to Rs.64.80 (w.e.f. 16.06.2013) Per 1000 liters.	1192.75
	Sewerage Charges (By Measurement)	60% of Water charges	730.44
	Meter Rent	Rs. 15/- to Rs. 2,300/- (Per month depending on size of the Meter)	5.00
	Tree cess	0.002% to 0.015%	42.00
Street Tax	0.051% to 0.370%	704.53	



Important Information

(AS ADOPTED BY THE ADMINISTRATOR (CORPORATION))

(Rs. in Crores)

Sources of Revenue	Description	Rate (% of Rateable Value)	Income (Budgeted)
Octroi (Net)			00
Wheel Tax			0.03
Road Grant (Instead of wheel tax from 1-4-1999)			390.00
Theatre Tax			2.50
Tax on Dogs			0.30
Licence Fees, Sale of rights, etc., and other Miscellaneous Receipts of the Budget 'A'			11503.44
Grant in aid on account of Compensation in lieu of Octroi			13331.63
Miscellaneous receipts of Budget-B (Excluding contribution)			166.41
Miscellaneous receipts of Budget-E (Excluding contribution)			522.48
			2906.92
Miscellaneous Receipts of Budget-G	Penalties		
	Other User Charges	163.72	
	Supervision Charges	211.51	
	Other Misc. Receipts	1918.07	
	Interest from Deposit	613.62	
Miscellaneous receipts of Tree Authority Budget (Excluding Contribution)			47.14
	Total Income		35749.03



Important Information

Engineering Services and Projects :

Section - IV

Summary of Solid Waste Management Department :

1. Average Solid Waste collected daily	:	(i) Average 6500 Metric tonnes per day of Refuse (Kanjur and Deonar Dumping Ground) (ii) Average 500-600 Metric tonnes per day Refuse of debris (Deonar Dumping Ground) (iii) Average 1200-1400 Metric tonnes per day of Debris (Deonar Dumping Ground)
2. Staff	:	33,753
3. Total Budget Provision	:	Total Capital Expenditure Rs. 1491.50 Crores Budget Total Revenue Expenditure Rs.2997.84 Crores Budget Establishment Expenditure Rs. 1899.67 Crores Administrative Expenditure Rs. 40.12 Crores Operation and Maintenance Rs. 917.05 Crores Expenditure Programme Expenditure Rs. 140.00 Crores Revenue Grants, Contribution Rs. 1.00 Crores and subsidy Total Expenditure Budget Rs. 4489.34 Crores (2023-2024)
4. Total No. of vehicles daily used for refuse collection and debris removal	:	B. M. C.'s vehicles - 219 Contractor's vehicles - 1,264
5. Collection and segregation of solid waste at source	:	949 Community Garbage collection centres and 47 permanent dry waste segregation centres
6. Modes of disposal	:	1) Processing treatment to convert into manure 2) Vermi composting 3) Land fill 4) Incineration (Bio -medical waste)
7. Dumping Grounds	:	(a) Deonar Dumping Ground (b) Kanjur M.S.W. Processing Facility
8. Transfer Stations	:	1) Mahalaxmi Transfer Station 2) Versova Transfer Station 3) Gorai Transfer Station 4) Kurla Transfer Station
9. Sweeping Area	:	1) Around 1750 Km. road is swept daily. 2) With Mechanical power sweeping around 253 km of road is swept.



Important Information

Health and Hygiene :	Section - V
(1) General Dispensaries	A. 190 (including 4 Ayurvedic and 2 Unani) B. Our Dispansary 239 (33 Polyclinic, 206 Clinic)
(2) General Hospitals	16
(3) Maternity Homes	30 (02 Under Repair)
(4) Dental Hospital /College	01
(5) T. B. Hospital.	01
(6) Hospital for Infectious Diseases	01
(7) E. N. T. Hospital.	01
(8) Eye Hospital.	01
(9) Leprosy Hospital.	01
(10) Peripheral Hospital	18
(11) T. B. Clinics.	05 (02 Under Repair)
(12) S. T. D. Clinic.	01
(13) Medical Colleges.	04
(14) Ambulances.	81
(15) Hearses.	12
(16) Health Posts.	211
(17) Drug-de-Addiction Centre.	01
(18) Paying Beds at.	
(a) L.T.M.G. Hospital.	57
(b) B.Y.L. Nair Ch. Hospital.	41
(c) K.E.M. Hospital.	168
(d) Cooper Hospital	15
(e) Kasturba Hospital.	40
(f) Peripheral Hospitals.	203
(19) Total No. of beds in Municipal Hospitals.	12,462

Annual expenditure of Public Health Department amounts to Rs. 935.81 Cr. for the year 2023-24 & annual estimated expenditure is Rs. 1,519.52 Cr. In revenue and Rs. 395.60 Cr. in Capital for the year 2024-25.



Important Information

Licencing Control

Section VI

(A) Markets :

1. Annual Income for the year 2023-24	:	Rs. 19,51,46,559.00
2. Annual Expenditure for the year 2023-24		
1) Establishment Exp. (Market Department)	:	Rs. 33,44,59,311.00
2) Revenue Exp.	:	Rs. 14,12,40,254.00
3) Capital Exp. (Market Department)	:	Rs. 10,13,26,026.00
4) Capital Exp.		
City Engineer Department (New Market Construction) & Chief Engineer Department. (Market Repair)	:	Rs. 64,05,56,985.00
Total Expt.	:	Rs. 1,21,75,82,576.00

3(A). Municipal Market

1) Municipal Market	:	92
2) Possessed under adjustment reservation Market	:	108
Total	:	200

(B). Private Retail Markets

(Licensed by Mumbai Municipal Corporation)	:	16
Total (A+B)	:	216

4. Total Shops / Stalls in Markets	:	13,544
5. Licensed External Shops for Meat and Meat	:	4,388
6. Cold Storage	:	11
7. Meat and meat shops in Municipal Corporation Markets (Chicken, Mutton, Beaf, Pork)	:	1,120
8. Total Licensee	:	19063

Three special vigilance teams are working in each city, eastern suburbs and western suburbs to curb illegal slaughter of animals and sale of meat. The details of the animals caught by this special team in the year 2023-24 and the amount recovered are as follows.

1. Total number of lines laid	:	1,945
2. Seized animals		
A) Goats and Sheep	:	2,460
B) Pigs	:	17
C) Hens	:	48,069
D) Horny animals	:	05
Total	:	50,551



Important Information

3. Seized and destroyed meat		
A) Beef	:	35,897 Kg.
B) Meat	:	1,102 Kg.
C) Pork	:	495 Kg.
D) Chicken	:	288 Kg.
E) Seized Fish	:	8,797 Kg.
F) Seized and destroyed Mundi and Skins	:	Nil
Total	:	46,579 Kg.
4. Fish baskets caught	:	Nil
5. Caught Vegetables and Eggs	:	1,578 (Eggs)
6. Revenue received through auction		
A) Fish baskets and Vegetables	:	Rs. 5,35,798.00
B) By live Hens	:	Rs. 32,60,702.00
Total Revenue through Auction	:	Rs. 37,96,500.00
7. Amount of Judicial Fine Collected through the Offender	:	Rs. 8,72,500.00
8. Other Fine (Administrative Fee)	:	Nil
9. Arrested Criminals	:	347
(B) Deonar Abattoir :		
Annual Income	:	(Year 2023-24) - Rs.25,48,50,000.00
Annual Expenditure	:	(Year 2023-24)- Rs. 71,78,44,000.00

Slaughtering Capacity of Different Units :-

1. Cattle Units : 300 Buffaloes / Male Buffaloes in 8 hrs per shift.
2. Sheep / Goat Unit : 6,000 Sheep & Goats in 8 hrs per shift (Halal Method)
3. Pig Unit : 200 pigs in 8 hrs per shift.

Total Slaughter of Animals in Deonar Abattoir during year 2023-24 including export.

1. Buffaloes & Male Buffaloes Calf : 1,35,534
2. Sheep / Goat : 4,12,426
3. Pig : 19,053

Since this Abattoir is almost four decade old and needs upgradation as well as replacement of old dilapidated structures. Brihanmumbai Municipal Corporation has decided to modernize Deonar Abattoir.



Important Information

Education

(A) Municipal Schools

Section VII

Education Department

U-DISE+ 2023-24 – Statistic information (30.09.2023)

	Meduim	Schools	Student	Techers
1	Marathi	262	33,739	1,011
2	Hindi	220	67,417	2,031
3	Urdu	188	64,391	1,760
4	Gujrathi	39	1,485	104
5	Tamil	26	2,736	109
6	Telugu	11	422	22
7	Kannad	24	920	73
8	English	52	38,884	976
9	Divyang School	19	876	78
10	Mumbal Public School (1st To 10th)	80	45,408	1,127
11	C.B.S.E. / I.C.S.E. / Cambridge / I.B.	17	4,003	107
	Total Primary (A)	938	2,60,281	7,398
12	Old Secondary Schools	49	15,470	584
13	New Secondry Schools	142	22,980	660
	Total Secondary (B)	191	38,450	1,244
14	Schools with pre-primary classes out of			
	Total municipal schools (C)		29,617	
	Total Primary & Secondary (A+B)	1,129	2,98,731	8,642
	Total Primary, Secondary & Pre-primary			
	D = (A+B+C)	1,129	3,28,348	9,048
Private Primary Schools				
15	Private Aided Primary School	385	1,06,448	2,595
16	Private Un-Aided Primary School	678	2,64,185	6,585
	Total (E)	1,063	3,70,633	9,180
17	Railway	01	59	03
18	Non-Recognised	127	21,754	885
19	Social Welfare	52	2,986	453
	Total (F)	180	24,799	1,341
	Total (D+E+F)	2,372	6,94,163	19,163



Important Information

Sarva Shiksha Abhiyan

The Expenditure incurred under various head in Samagra Shiksha for the year 2023-24 as follows

Sr. No.	Budget Head	Grant Received	Expenditure	Expenditure Percentage
1	Composite School Grant (Primary)	355.17	232.76	65.53
2	Composite School Grant (Secondary)	109.48	61.21	55.91
3	BRC/URC	336.75	323.46	96.05
4	CRC Grant	21.90	13.97	63.79
5	Free Text Book	9.93	9.9	99.70
6	Inclusive Education - (Primary)	194.47	139.27	71.62
7	Inclusive Education -(Secondary)	28.07	5.35	19.06
8	Management	55.46	32.44	58.49
9	Transport	1.86	1.60	86.02
10	Nipun Ustav	2.90	2.33	80.34
11	Vocational Training (Secondary)	97.86	35.13	35.90
12	Rashtriya Aavishkar Abhiyaan Excursion Trip for students within state(Primary)	1.00	1.00	100.00
13	Rashtriya Aavishkar Abhiyaan Excursion Trip for students within state (Secondary)	2.50	1.33	53.20
14	Rashtriya Aavishkar Abhiyaan Exposure Visit (Primary)	1.00	0.89	89.00
15	Rashtriya Aavishkar Abhiyaan Exposure Visit (Secondary)	2.50	2.22	88.80
	TOTAL	1220.85	862.86	70.68



Important Information

THE BRIHANMUMBAI ELECTRIC SUPPLY AND TRANSPORT UNDERTAKING

Section - VIII

The BEST Undertaking is operating **total 425 routes**. Out of which **385 routes** are operated in **Mumbai Limit**, **18 routes** are operated between Mumbai and **Navi Mumbai Limit**, **13 route** are operated between Mumbai and **Mira-Bhyander** and **9 routes** are operated between Mumbai and **Thane** area.

Transport Statistics: (31.03.2024)

1	No. of Buses (Owned) No. of Buses (Hired)	1,098 1,915	} 3,013
2	Schedule Turn out Buses (100% Turn out)	3,013	
3	Route Distance in Kms.	5,593.3	
4	Service Kms. operated per day (average)	4.68 Lakhs Kms.	
5	Passenger carried per day (average)	29.36 Lakhs	
6	Passenger earning daily (average)	1.93 Crores	
7	No. of Bus Stops / Bus Queue Shelters		
	a) Bus Stop Poles	3,453	
	b) Bus Queue Shelters	3,266	
	Total	6,719	
8	No. of Bus Depots	27	
9	Total No. of Employees	20,680	



Important Information

Electric Supply : (Statistics as on 31st March 2024)

1	Electric Supply area in Sq. Km.	72	Sq. Kms.
2	Maximum Demand in MW	946	MW
3	No. of Receiving Stations	65	Nos.
4	No. of Power Transformers	155	Nos.
5	Capacity of Power Transformers (MVA)	2,327	MVA
6	No. of Distribution Sub-Stations	2,538	Nos.
7	No. of Distribution Transformers	3,470	Nos.
8	Capacity of Dist. Transformers (MVA)	2,892	MVA
9	Length of 33/22 KV Cables (Km)	578	Kms
10	Length of 11 / 6.6 KV Cables (Km)	2,257	Kms
11	Length of Low Voltage Cables (Km)	9,495	Kms
12	No. of Auxiliary Dist. Pillars (ADP)	9,254	Nos.
13	No. of Consumers (Meters installed at site)	10,52,725	Nos.
14	Residential Consumers % of Total	73%	
15	No. of Services	78,512	Nos.
16	No. of Street Lighting Lamps	44,294	Nos.
17	No. of Cash Collection Counters	44	Nos.
18	No. of Cash Collection Bank and Post Offices	73	Nos.
19	No. of Service Providers	09	Nos.



Important Information

SET UP OF CIVIC GOVERNMENT :

Deliberative Wing :

Corporation^{*}

Statutory Committees^{*}

- Standing Committee.
- Improvements Committee.
- B. E. S. & T. Committee.
- Education Committee.
- Wards Committees

Special Committees^{*}

- Works Committee (City)
- Works Committee (Suburbs)
- Public Health Committee.
- Markets and Gardens Committee.
- Law, Revenue and General Purposes Committee; and
- Women and Child Welfare Committee.

Consultative Committees^{*}

- (Appointed from time to time for consulting and reporting on special subjects).
- Grants-in-Aid Committee.
 - Maharashtra Cultural Display Committee
 - Assurance Committee
 - Planning Committee
 - Review Committee (City)
 - Review Committee (Eastern Suburbs)
 - Review Committee (Western Suburbs)
 - Scrutiny Committee :
 - (i) Mumbai District Aids Control Society
 - (ii) Mumbai District T. B. Control Society
 - (iii) Women Centered Health Project.
 - Reconstruction and Redevelopment Committee for Old Buildings.
 - Wards Committees Problems Redressal & Co-ordination Committee.

Executive Wing :

Municipal Commissioner :

[as Chief Executive assisted by Four Additional Municipal Commissioners, Director (Engineering Services and Projects) Jt. Municipal Commissioners, Dy. Municipal Commissioners and other Heads of Departments].

Administrative set up has been divided into 24 Wards comprising of 7 Zones each managed by a Jt. M. C., Dy. Municipal Commissioners.

General Manager :

Chief Executive, B.E.S.&T. Undertaking assisted by Additional General Manager and other Heads of Departments.

Tree Authority^{*}

Municipal Commissioner is the Chairman of Tree Authority vide Amendment to Maharashtra (Urban Areas) Preservation of Trees Act, 1975 (Maharashtra VII of 1996).

NOTE : MUNICIPAL SECRETARY and MUNICIPAL CHIEF AUDITOR and their departments function under the direct control of the Standing Committee.

* Municipal Commissioner, Brihanmumbai Municipal Corporation has been appointed as an Administrator at Brihanmumbai Municipal Corporation to exercise all the powers and to perform all the functions and duties as per the provisions of section 6C(1) and (2) of Mumbai Municipal Corporation Act, 1888, as amended upto date, vide Government Order no. MCO-2020 /C.No. 71(Part2) /UD -14, dated 03rd March 2022, as the term of Brihanmumbai Municipal Corporation had come to an end on 7th March, 2022. Municipal Corporation and its Statutory Committees, Special Committees, Ward Committees are not in existence from 8th March, 2022 and all their powers, functions and duties are being performed through the Administrator, Brihanmumbai Municipal Corporation.



City Government





Panoramic view of the Coastal Road.



New Building of 'P/East' ward office



City Government

Preamble :-

The Brihanmumbai Mahanagarpalika covers an area of over 483.14 Kms., catering to the civic needs of over 1,29,67,996 Citizens. There are approximately 90,206 employees in different categories.

The Commissioner, a key figure in the local self government, is the executive head and is virtually under constant watch by the Citizens, Councillors and the State Administration. Each section looks upon him expectantly for results in the administration. The Mumbai Municipal Corporation Act, 1888, as amended upto date envisages separation of powers between the deliberative and executive wing making the Municipal Commissioner theoretically overall powerful executive head.

The important issue, therefore, that characterises the City Government is the relationship between the legislative and policy making bodies on the one side and the executive and administrative agencies on the other. This involves a healthy adjustment between the principle of democracy and the need for an efficient civic administration without factionalism. It rests on the following three principles :-

- a) It recognizes the distinction between policy making and the policy executions,
- b) It entrusts the policy making function to the corporate body and the policy execution to a single individual, the Commissioner, and
- c) It makes the Commissioner more or less independent of the Corporation although the two always work in close co-operation.

There are four Additional Municipal Commissioners and Dy. Municipal Commissioners / Jt. Municipal Commissioner /Director (Engineering Services and Projects) who assists the Commissioner in the overall management and supervision of the administration in this Corporation.

The centralized administrative system was re-organised in the year 1964, when for the first time the decentralized pattern was introduced. The object was to speed up disposal, improve efficiency and effect economy. In pursuance of this policy decision, the entire city is divided into seven administrative zones with 24 wards. The seven zones are supervised by the Jt.Municipal Commissioner / Deputy Municipal Commissioners with a certain number of Asstt. Municipal Commissioners working under them. In all, there are 24 Deputy Municipal Commissioners, which include 1 post of Director (Engineering Services & Projects) and out of these 23 posts, 7 posts are zonal and 16 posts are functional.

Municipal Commissioner, Brihanmumbai Municipal Corporation has been appointed as an Administrator at Brihanmumbai Municipal Corporation to exercise all the powers and to perform all the functions and duties as per the provisions of Section 6C(1) and (2) of Mumbai Municipal Corporation Act, 1888, as amended upto date, vide Government Order no. MCO-2020/C.No.71(part 2)/UD-14, date 03rd March 2022, as the term of Brihanmumbai Municipal Corporation had come to an end on 7th March, 2022. Municipal Corporation and It's Statutory Committees, Special Committees and Ward Committees are not in existence from 8th March, 2022 and all their powers, functions and duties are being performed through the Administrator, Brihanmumbai Municipal Corporation



1. CIVIC SECRETARIAT :

(Municipal Secretary's Office) :

Deliberative wing of the Brihanmumbai Municipal Corporation is an unique body of delegated legislation. In the year 1873, the then Government had created three offices namely (i) Corporation, (ii) Standing Committee and (iii) Municipal Commissioner, vested with different responsibilities. The Civic Secretary's office also came into existence in September 1873, headed by the Municipal Secretary, which works directly under the superintendence of the Standing Committee. The Civic Secretariat is responsible for preparation of Agenda and Proceedings of the Corporation as also of its various Committees and assists Councillors in matters pertaining to the deliberative works. Municipal Secretary is the custodian of common seal of the Corporation.

As provided under Section 77 (2) (b) of the Mumbai Municipal Corporation Act, 1888 as amended upto date the Municipal Secretary has the custody of all papers and documents connected with the proceedings of the Corporation and any committee appointed by the Corporation under Section 38 or 38(A), the Standing Committee and Sub-Committee thereof, the Improvement Committee and Sub-Committee thereof, the Education Committee and Sub-Committee thereof, and the Ward Committees. For easy access to the citizens of the decisions taken by the Corporation, as well as, by the various Statutory and Special Committees, at their respective meetings, the Agenda of the Corporation and of its various committees and decisions taken thereon are displayed on Brihanmumbai Municipal Corporation Portal since 31st May 2011.

Besides presiding over the Corporation Meetings, the Mayor is required to chair numerous functions being the first citizen of Mumbai. The Municipal Secretary's Department provides the secretarial assistance to the Mayor in all these aspects. Similarly, secretarial assistance is provided to the Deputy Mayor, Chairman of all the Committees and Leader of the House and Leader of the Opposition. Reference books are now made available for the Councillors in the newly renovated spacious Library at 1st floor of New extension building in Municipal Head office.

The Corporation has accorded its sanction to change the nomenclature of the post of 'Mahanagarpalika Chitnis' as 'Mahanagarpalika Sachiv' and to make corresponding changes in the nomenclature of the posts of various cadres and also in the establishment schedule of the Municipal Secretary's office, vide its Resolution No. 480 dated 4th March 2021, and the said changes have been made accordingly.

Sister City Relationship :

The concept of Sister City Relationship envisages partnership between cities for the development of Civic Infrastructure and Services. The ethos of setting up such relationship is to foster international amity and collaboration. Under the Sister City setup, cities share their expertise and resources in various areas like Engineering, Waste Management, Water and Sewage infrastructure, Gardens and Zoos, Culture, Literature, etc. The aim is to work together to solve common problems and improve the quality of life in these cities.

The Brihanmumbai Municipal Corporation has set up its first Sister City Relationship in the year 1965 with the City of Los Angeles, USA. Since then, Brihanmumbai Municipal Corporation has entered into such relationship with many



different cities worldwide. These include Yokohama (Japan), Leningrad and Odessa Port (erstwhile USSR), Stuttgart (Germany), Plains Georgia, Honolulu and New York (USA), Zagreb (Yugoslavia), Barcelona (Spain), Busan and Seoul (South Korea), Nadi (Fiji), Jakarta (Indonesia), Antananarivo (Madagascar), Izmir (Turkey) and Shanghai (China).

International Relation Wing of Protocol & Liaison Department of Municipal Commissioner's Office Co-ordinates, plans and organize the exchange between Mumbai's Sister cities.

Tree Authority :

Due to rapid growth of urbanisation and industrialisation, large number of trees are being felled in the State of Maharashtra. By taking into consideration this fact and in order to maintain the ecological balance in urban region, by regulating the felling of trees and providing for plantation of adequate number of trees thereby protecting and preserving trees in the urban areas of the State, the Government of Maharashtra has enacted an Act in the year 1975 viz, the Maharashtra (Urban Areas) Preservation of Trees Act, 1975 (Act No. XLIV). As per provisions of the Act, the Tree Authority was constituted in the year 1976, by the Corporation. The Act is further amended (Act No.7) in the year 1996 and is now titled as the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975. By virtue of this amendment, the Municipal Commissioner of Brihanmumbai Municipal Corporation shall be the Chairman of the meeting of the Tree Authority instead of the Mayor.

As term of previous Corporation ended on the 07th March 2022 and Administrator has been appointed from 08th March 2022 on this Corporation, Tree Authority was not duly reconstituted.

As per Section 5 (1) of the said Act, the Corporation vide their Resolution No. 1142, dated 22nd March 2007 has appointed The Assistant Commissioners of the wards, for the areas under their jurisdiction and the Superintendent of Gardens for the entire Mumbai as 'Tree Officer' for the implementation of the object of the said Act.

2. STATUTORY MUNICIPAL AUDIT :

(Municipal Chief Auditor's Department) :

In regard to the creation of an independent Municipal Chief Auditors department, the amendments to the Mumbai Municipal Corporation Act, 1888 were so framed that the status of the Municipal Chief Auditor under the scheme of the Act was made analogous to that of the Comptroller and Auditor General of India Act, 1935 under section 169. Subsequently the same was incorporated within the framework of the Indian Constitution.

Municipal Chief Auditor is a Statutory Auditor of Brihanmumbai Municipal Corporation. As per provisions of Section 78A of the Mumbai Municipal Corporation Act, 1888, on and from the 10th March 2011 being the date of commencement of section 2 of the Maharashtra Municipal Corporation (Amendment) Act, 2011 the State Government shall appoint, on deputation a suitable officer, not below the rank of the Joint Director from Maharashtra Finance and Accounts Services to be the Municipal Chief Auditor on such terms and conditions as may be prescribed who shall perform such duties as he is directed by this Act to perform. However, from 26.09.2022 the State Government shall appoint on deputation a suitable officer in the rank of director instead of Joint Director



from Maharashtra Finance and Accounts services to be the Municipal Chief Auditor. As a result Shri. Sitaram Shankar Kale is the first officer been appointed as a Municipal Chief Auditor in the rank of Director of Maharashtra Finance and Accounts services from 26.09.2022. Under Section 78B (1) (A) of this Act, Standing Committee appoints such Assistant Auditors, Clerks and Servants to be immediately subordinate to the Municipal Chief Auditor as they think fit. As per section 78 B (C) subject to the orders of Standing Committee prescribe or delegate to the Municipal Chief Auditor the power of prescribing the duties of the said Assistant Auditors, Clerk and Servants and as per section 78B(2), subject to the order of Standing Committee, the Municipal Chief Auditors exercises supervision and control over the act & proceeding of the said Assistant Auditor, Clerk and Servant.

Duties and powers of the Municipal Chief Auditor are specified under Section 135 , 136, Schedule 'EE' and 137 of the Mumbai Municipal Corporation Act, 1888. The power of Municipal Chief Auditor with regard to disapproval of, and the procedure with regard to settlement of objections to expenditure from the revenues of the Corporation shall be such as may be prescribed by rules or orders made by the Standing Committee in consultation with the Chief Auditor and sanctioned by the Corporation in the case of expenditure debited to the Municipal fund and by the 'Brihanmumbai Electric Supply and Transport Committee' in the case of expenditure debited to the Brihanmumbai Electric Supply and Transport Fund. The Municipal Chief Auditor submits a report to the Standing Committee on any significant irregularities found in the expenditure incurred by the Corporation or in the recovery of dues or in its accounts. Municipal Chief Auditor shall conduct monthly examination and audit of the municipal accounts and shall report thereon to the Standing Committee who shall publish monthly an abstract of the receipts and expenditure of the month last preceding, signed by not less than two members of the said Committee and by the Municipal Chief Auditor. The Standing Committee may also from time to time and for such period as they think fit conduct independently an examination and audit of the Municipal Accounts. For these purposes the Standing Committee and the Municipal Chief Auditor shall have access to all the municipal accounts and the to all records and correspondence relating thereto and the Commissioner shall forthwith furnish to the Standing Committee or the Municipal Chief Auditor any explanation concerning receipts and disbursements which they may call for. Municipal Chief Auditor carries out other duties as may be assigned by the Corporation or the Standing Committee on the audit of the Municipal Fund, Water Sewerage Fund and Water Supply and Consolidated Loan Fund carry out other duties assigned by B.E.S.T. Committee related to the audit of Brihanmumbai Electric Supply and Transport Fund. As per section 137(3) of the Mumbai Municipal Corporation Act, 1888 the Municipal Chief Auditor as soon as may be after the commencement of each official year shall deliver to Standing Committee a report upon the whole of the Municipal Accounts for the previous official year after statutory audit of Corporation's General (Fund Code - 11, 21, 22, 23, 50, 60 and 70), Health (Fund Code - 12), Education (Fund Code - 30) and Water Supply and Sewerage (Fund Code - 40) submits Annual Audit Report to the Standing Committee in case of Corporation and to the B.E.S.T. Committee in case of Brihanmumbai Electric Supply and Transport Undertaking. In Compliance of the provisions of this Act, every report submitted to the Standing Committee by the Municipal Chief Auditor and requested to be placed the same report before the Corporation as well as any statements prepared in respect of discharge of duties and powers under the Act and requested to be put before the Corporation, every such



statements Standing Committee will arrange to put before the Corporation with its opinion so that the Corporation may take such measures as it deems necessary.

The Municipal Chief Auditor is independent of the Municipal Commissioner and his department directly works under Standing Committee. The department has maintained a high standard related to direct recruitment of its staff. Qualification for the post of Junior Audit Assistant is Commerce degree passed with Financial Accounting and Auditing or Advance Accounting and Auditing or Accounts and Finance (B.A.F.) or Banking and Insurance Business (B.B.I.) or Bachelor of Management Studies (B.M.S.) or Financial Management (B.F.M.) or Business Administration with Finance (M.B.A. with Finance).

As with other statutory audits, Municipal Chief Auditor not only audits the accounts of the Corporation but also conducts audit of various financial function of the Corporation. As per section 137(1)(a) of The Mumbai Municipal Corporation Act, of 1888, The Municipal Chief Auditor shall report to Standing Committee for any material impropriety or irregularity which he may at any time observe in the expenditure or in the recovery of moneys due to the Corporation or in the Municipal Accounts. The audit findings, suggestions and observations along with the found irregularities are communicated to the concerned authorities through independent audit notes. Their combined results are included in the annual audit report which widely open to the public.

However, the Municipal Chief Auditor department is not directly concerned with the public or work of public. If there is any grievances of the public pertaining to department of the Municipal Chief Auditor, is handled by the Officer in charge independently appointed to take action on the matters under the Right to Information Act of 2005.

3. GENERAL ADMINISTRATION DEPARTMENT :

(Including Organization and Method Officer)

Name of the Department of Personnel and Administrative Reforms has been changed as General Administration Department. The General Administration Department works under Joint Municipal Commissioner (General Administration Department).

The main functions carried out by General Administration Department are:-

- (i) To control effectively and provide a policy framework and make rules and procedures in all personnel matters;
- (ii) To ensure that the policies and procedures are implemented uniformly at various decentralized levels;
- (iii) To motivate the employees with a view to increase the productivity and making the administration more and more responsive to public demand; and
- (iv) To strive to make continuous appraisal of the existing procedures and methods.

The following measures are being implemented to speed up the prevailing process:-

- 1) Standardization of qualification for various posts of similar nomenclature and methods and recruitment.
- 2) Issue of circulars by taking policy decisions regarding promotions; redressal of grievances of employees at various levels, establishing panels for recruitment and selection of staff.



- 3) Revision of Recruitment Rules, as required under various provisions of the constitution and maintenance of reservations for Backward Classes, Sportsman, Handicapped persons and Ex-servicemen in employment.
- 4) A regular programme of meeting at fixed intervals with :-
 - (i) Officers dealing with personnel matters in all departments for implementation of personnel policies; and
 - (ii) Representatives of the recognised unions to settle dispute of a general nature.

There is a separate Organisation and Methods Division on the establishment of Municipal Commissioner. The main functions of Organisation and Methods Office (M.C.) are :-

- (i) To issue the circulars in order to improve working system of Municipal Offices after studying the same and see as to whether the system is implemented;
- (ii) To take inspection of the Departments/Wards;
- (iii) To take follow up & review from concerned department for implementation to make available notified online services to citizens in view of transparency in quick & quality services provided under Maharashtra Right to Services Act, 2015 and to submit monthly report to Government regarding applications for service and appeal received from citizens by Municipal Corporation under this Act.
- (iv) To Publish list of nominated Public Information Officers & Appellate Officers of various departments on Brihanmumbai Municipal Corporation portal under Right to Information Act, 2005 and to submit monthly / yearly report to State Government regarding applications for information and appeals received from citizens by Municipal Corporation under this Act.

Marathi Examination Section :

As per the directives of the State Government and the Corporation a Marathi Section is established under Chief Personnel Officer. At present, Marathi Section & Examination Section are working jointly.

Government Resolution and circulars are received from State Government regarding the implementation of the policy of 100% usage of Marathi language in the day to day office work. These Government resolution and circulars are circulated to Heads of the Department / Assistant Municipal Commissioners for implementation. As per guidelines of State Government, all Heads of Departments / Assistant Municipal Commissioners are instructed to appoint 'Marathi Bhasha Adhikari' and work accordingly.

In pursuance of the Directives of State Government, Heads of Departments and Assistant Municipal Commissioners of Brihanmumbai Municipal Corporation (B.M.C.) have been directed to celebrate 'Reading Inspiration Day' (Vachan Prerana Din) on 15th October being the birth anniversary of the former President Dr. A.P.J. Abdul Kalam and organize various activities this regards.

27th February is celebrated as 'Marathi Bhasha Gaurav Din' being a birth anniversary of Great Marathi Writer, Poet and Dramatist and recipient of Gyanpeeth Award Late Shri. V. V. Shirwadkar alias 'Kusumagraj'. Brihanmumbai Municipal



Corporation has accorded sanction to celebrate 'Marathi Bhasha Gaurav Din' for 15 days from 27th February onwards. Accordingly 'Marathi Bhasha Pandharwada' is celebrated from 27th February to 12th March. As per State Government's directives to celebrate 'Marathi Bhasha Pandharwada' from 14th January to 28th January and to conserve Marathi Language 'one act play' competition was organised on 9th February 2024 for all employees / Officers of Brihanmumbai Municipal Corporation.

As per Corporation resolution, 'Marathi Bhasha Gaurav Din' was celebrated on 27th February, 2024. Dr. Ravindra Shobhane, Chairman, Akhil Bhartiya Marathi Sahitya Sammelan and renowned literary was invited as chief guest. Exhibition of Marathi books and sales programmes was organised on 27th, 28th and 29th February 2024 in Municipal Head Office. Marathi books published by Rajya Marathi Vikas Sanstha were displayed in exhibition for conservation of Marathi Language. The exhibition of books and sales programme received a good response from employees as well as visitors.

Backward Class Cell :

1. The Backward Class Cell, as a consolidated unit, has been performing the duties of implementing the policies and instructions of State Government regarding the reservation of Backward Classes in the services of the Brihanmumbai Municipal Corporation since 26th February 1979. This Cell looks after recruitment, selection and promotion processes from social and parallel (Women, Physically Handicapped Persons, Freedom Fighters and Ex-Serviceman, etc.) reservation point of view. Parallel reservations in service for these reservations are treated as compartmentalized reservations within the social reservations. This cell submits statistical information to the State Government and to all concerned from time to time regarding reservation / backlog in various post on the establishment of Brihanmumbai Municipal Corporation. This cell also carries out all process regarding guidance about implementation of various Government Resolutions relating to the reservations and allied matters.
2. The periodical reports regarding information of posts filled in by recruitment and by promotion of Backward Classes in the Corporation were prepared and submitted to the various authorities from time to time during reporting year. From reservation point of view this cell scrutinized proposals of recruitment and promotion for various posts submitted by the various Municipal establishments. Representatives of this Cell attended total 364 promotion committee meetings and 10 selection committee meetings held by various Departments / Sections.
3. This cell worked out on total 1,808 proposals received from the various Establishments for direct recruitment, selection, promotions, supernumerary, post creation, identified suitable post for person with disability. In addition to the above, this cell worked out about 4,635 cases including statistical reports, correspondence from various department / section, the authorities of State Government, Legislature, Public Representatives, applications received under Right to Information Act, 2005, etc.
4. Correspondence on the various subjects has been made from time to time with the various authorities of the State Government for seeking their guidance and/or clarifications.
5. The details of the Backward Class candidates recruited and promoted by various departments during the calendar year 2023-2024 are as under :-



Sr. No.	Mode of recruitment filled in	No. of posts	Category wise B.C. candidates appointed									Open
			SC	ST	DT (A)	NT (B)	NT (C)	NT (D)	SBC	OBC	Total BC employees	
1.	Direct Recruitment	833	97	44	31	16	24	13	16	147	388	445
2.	Promotion	1592	00	00	00	00	00	00	00	00	00	1592

(Note : All vacant posts in promotion quota are being filled up on seniority basis as per position dated 25.05.2024 as per directives instructed vide Circular No. MBC/845 dt.14.05.2021 and accompanied Govt. Resolution dated 07.05.2021)

- Report in prescribed format is submitted to State Government vide no MBC/1026 dt.14.08.2023 in accordance with visit of National Commission of Scheduled Caste and Tribe Parliamentary Committee during period dt. 24.08.2023 to dt. 29.08.2023.
- During year 2023-2024, total 14 circulars on various subjects were circulated for implementation and necessary action to all Heads of the Departments and Assistant Commissioners.

4. LABOUR DEPARTMENT :

GRIEVANCE REDRESSAL COMMITTEE :

The periodical meetings of Grievance Committees at Unit Level, Zonal Level and Apex Level are arranged to settle the labour problems/grievances of the employees of different departments and wards.

COMPASSIONATE CASES & LAD PAAGE CASES :

Municipal Administration provides employment to the heirs of ex-employees under Lad Paage Scheme and on compassionate grounds. Such cases are verified by this department. Chief Labour Officer directs such sanctioned cases of Ayah / Sweeper/ HalalKhore / Hamal / Ward Boy/Labour & Office peon to different Wards / Departments/ Hospitals for appointments.

STATE DRAMA COMPETITION & INTERWARD / DEPARTMENTAL DRAMA COMPETITION :

Every year department organizes Inter ward departmental Drama Competition. More than 30 wards and departments takes part in the competition. Three best competitors are awarded with rotating Shield. Every year on behalf of Brihanmumbai Municipal Corporation Labour Department presents 5 Dramas at State Level Drama Competition.

LABOUR WELFARE SECTION :

There are 36 Welfare Centres which are situated at Municipal Colonies within the vicinity of B.M.C. Every year Festivals such as Republic Day, Independence Day, Ganpati Utsav, Buddha Jayanti, Makar Sankranti, etc. are celebrated for families of employees in each Welfare centres. Competitions such as Folk Dance, One Act Play, Music Competition, Sugam Sangeet (Singing), Elocution Competition, Act play, Carrom etc. are also arranged.



Two day's 'Quality of Life' training programmes are arranged at various Wards, Departments & Hospitals for Class IV Employees and their Spouse.

REMARKABLE WORK :-

1. A Blood Donation Camp was arranged in our canteen premises with the help of Social Organization and KEM Hospital.
2. To increase the financial literacy among employees one to five days camps were arranged on topic of 'Financial Literacy & Planning' with the help of National Banks & Indian Post at Head Office Canteen Premises.

5. AUDIT AND ACCOUNTS :

Chief Accountant (Finance) and Chief Accountant (Treasury) are two Chief Statutory Officers of C. A. Department who work under the control of D.M.C. (Finance) / A.M.C. (Project). Chief Accountant (Finance) is the Principal Finance Officer who advises the Municipal Commissioner regarding the financial matters of the Corporation. Chief Accountant (Treasury) is the Principal Municipal Treasury Officer, responsible for maintaining accounts of all financial transactions of the Corporation.

A - Finance Functions :

(i) Budget :

The Chief Accountant (Finance) has to prepare Draft Budget Estimates of Income and Expenditure together with all appendices in respect of Budget "A", "B", & "E" for the ensuing year on the basis of the past performance in respect of each department and on assessment of needs as put forth by various Municipal Departments by taking into consideration the available financial resources of the Corporation.

(ii) Loans :

The Chief Accountant (Finance) looks after the work of raising of Municipal Loans required to finance Capital Works of the Corporation and Repayment of said loans within stipulated time

(iii) Investments :

Chief Accountant (Finance) deal with the investment of Surplus Money in Municipal Funds from time to time in accordance with the provisions under Section 122 of Mumbai Municipal Corporation Act, 1888 & collection of interest on said investment and reviews day to day cash balance position in the current account with the State Bank of India.

(iv) Special Funds :

Chief Accountant (Finance) controls Sinking Fund and all other Special Funds of the Corporation.

(v) Internal Audit :

The staff working under the Chief Accountant (Finance) carry out continuous audit of the revenue collected by Citizen Facilitation Centres and by various departments and its remittance into Municipal Treasury.

(vi) Control Over Expenditure :

All the proposals pertaining to Expenditure are scrutinized by the staff working under Chief Accountant (Finance), taking into account, provisions of the Mumbai



Municipal Corporation Act 1888, rules and the procedures and budget provision made for that purpose.

B - Treasury Functions :

(1) Collection of Revenue :

Online :-

The various B.M.C. Revenue is credited to B.M.C. account through Online Payment Gateway, R.T.G.S. / N.E.F.T. / VAN, BBPS, Mobile Application & Cyber C.F.C., etc. From 2019 onwards revenue of estate and film shooting of 24 wards and from the year 2022 Swimming Pool collection, Zoo tickets collection, F.I.C.O. collection is done through online Payment Gateway.

Offline :-

The B.M.C. Revenue is collected at 24 wards C.F.C.'s and the same is collected by Axis Bank (City), I.C.I.C.I. Bank (Western Suburbs) & H.D.F.C. Bank (Eastern Suburbs) and credited to B.M.C.'s Account in State Bank of India.

(2) Payment :

(i) Bills :

To audit and make payment of expenditure bills submitted by H. O., Wards and Zonal Municipal Offices pertaining to Budget 'A', 'B' and 'E' by Cash / Cheque / E.C.S. / N.E.F.T. / R.T.G.S. / C.B.S.

(ii) Monthly Salary of the employees :

To pay monthly salary to the employees of the Corporation through E.C.S.

(iii) Pensionary Benefits :

Municipal employees who have retired from municipal service on account of superannuation, the amount of Gratuity, Commutation of pension, provident fund is transferred through ECS to the pension Bank Account.

As per the sanction of Hon. Municipal Commissioner, in view of the B.M.C.'s Pension Rules, 1953 and the circulars of revisions issued from time to time, the retirement dues i.e. Gratuity, Commutation, Provident Fund and Balance Leave Encashment claims of the employees retiring on accounts of Superannuation, Voluntary Retirement, Death etc. are being processed in HR System. w.e.f. 01-11-2019.

Accordingly, during the period from April, 2023 to March, 2024, total 3,786 employees received their Pensionary benefits through H. R. System and total 109 employees who have retired before dt. 01-11-2019 received Pensionary benefits through manual computed system.

(iv) Pension Adalat :

In order to settle the pending Pensionary dues immediately of the Municipal employees who have either retired from Municipal service or died while in service, Pension Adalat is conducted every month at the level of Asst. Municipal Commissioner of Wards / Head of the Department / Dean etc. & efforts are taken to settle the pending Pension / Family Pension claims, complaints as early as possible. If pensioner / Family Pensioner's complaints are not be solved at monthly Pension Adalat at ward level, they can attend 'Higher Level Pension Adalat' which is conducted at Chief Accountant



(Treasury)'s Chamber on 2nd Tuesday of every month as per Hon. Municipal Commissioner's orders dt. 03.06.2010 under Circular no. Ch.LO/16/Gen/MCL/OD/1012 on the basis of Democracy day. In this 'Higher Level Pension Adalat', there is a committee of three members viz. Chief Accountant (Treasury), Chief Personnel Officer and Deputy Law Officer who listen to the complaints / grievances of Pensioners / Family Pensioners and issue suitable order accordingly. Many Pensioners / Family Pensioners have been benefited by this scheme.

(v) Arrears payment as per the revised pay scale of 7th Pay Commission :

- 1) As per Circular No. GAD/FGR/18 dtd. 11.09.2019 total 1,305 claims have been passed according to revised pay scale of 7th Pay Commission from April 2023 to March 2024.
- 2) Regarding payment of pension claims as per the revised pay scale of the 6th Pay Commission w.e.f. dt. 01.07.2005 :-
As per 6th Pay Commission revised Circular no. GAD/FGR/06 dated 02.06.2012, as per the list given by the Data Processing Unit (B.M.C.), total no. of 30,027 claims has to be revised. Out of them upto March 2023, total 29,311 claims were revised. From April 2023 to March 2024, total 52 claims are sanctioned.
- 3) As per 7th Pay Commission Pensioner / Family pensioners who have retired after 01.01.2006 but prior to 01.01.2016 are eligible for the benefit of consolidation as per the circular no. GAD/FGR/17 dated 11.09.2019 issued. In connection with this circular total 540 pension claims were sanctioned for the period from April 2023 to March 2024.
- 4) As per Circular no. GAD/FGR/04 dated 13.06.2013, as per the list given by the Data Processing Unit (B.M.C.), total number of 74,901 pensioners / Family Pensioners who have retired or deceased before 01.01.2006, are entitled for the benefit of consolidation of pension. Out of them, upto March 2023, total 52,340 claims were revised. From April 2023 to March 2024, total 40 claims were revised.

(vi) Monthly Pension :

As per computerized Record of pension department, upto March - 2024 there are total 1,14,083 Municipal Pensioners. Out of these 1,14,047 Pensioners / Family Pensioners receive their Monthly Pension / Family Pension through banks and 36 Pensioners / Family Pensioners received their Monthly Pension through Postal Money Order.

(vii) Family Pension :

After death of Pensioner, Family Pension is started to eligible legal heir (Husband / Wife / Son / Daughter) as per Bombay Municipal Corporation Pension Rules 1953. In the financial year 2023-2024 total 1,241 family pension claims were sanctioned and payment of the claims was made to the legal heirs.

Circular u/no. C.A.(T.) /FPN / 39 Dt. 11.01.2021 is issued to implement revised procedure for getting family pension.

(viii) Non Contributory Provident Fund :

N.C.P.F. Claims of employees retired on account of Superannuation, V.R.S., Death, etc., are prepared and processed for making payment through HR Module in SAP System in the financial year 2019-2020 w.e.f. 01.11.2019. During the period from



01.04.2023 to 31.03.2024, total number of 3,801 P.F. claims have been settled (Payment through E.C.S.) in HR module of SAP System.

Total 2499 N.C.P.F. and D.C.-1 Claims were received manually during period from 01.04.2023 to 31.03.2024. Out of these, 79 N.C.P.F. claims and 15 D.C.-1 claims have been settled manually.

(ix) New Defined Contribution Pension Scheme :

On the basis of Central Government / State Government, Brihanmumbai Municipal Corporation has introduced New Defined Contributory Pension Scheme for the employees appointed on 05.05.2008 and thereafter. New Defined Contributory Pension Scheme has two tiers viz. Tier-I and Tier-II. Tier-I is compulsory for the employees appointed on 05.05.2008 and thereafter. Under this Scheme Tier-II is optional, but it is not currently operative in Brihanmumbai Municipal Corporation.

Under Tier-I every municipal employee has to contribute 10% of Basic Pay plus Dearness Allowance. Brihanmumbai Municipal Corporation contributes 14% to the employee DCPS Account. These contributions and interest thereon are kept in non withdrawable "Pension Tier-I Account".

As per circular issued under No. CA(T)/FDCPS/28 dtd. 13.10.2020, if the employee covered under this Scheme dies while in service before completing 10 years continuous service in B.M.C., Rs. 10 Lakh Ex-gratia was given to the nominee. But as per Circular No. GAD/FGR/12 dtd. 11.10.2023, this scheme has been closed and 'If the employee under this scheme dies, family pension and gratuity is admissible to his family, if the employee retires as unfit to serve his duties, he will be given unfit pension and retirement gratuity, likewise an employee who is retired / is going to retire from his service has been permitted retirement gratuity.

There are total 47,415 employees under Tier - 1 upto 31-03-2024.

(3) Municipal Accounts & Closing of Accounts in SAP system :

As per the directives of the Central / State Government under JNNURM scheme and the guidelines prescribed in the National Municipal Accounting Manual, the accounts of Budget 'A', 'B' & 'E' of B.M.C. are maintained on Double Entry Accrual Based Accounting System in SAP ERP FICO Module w.e.f. 01.04.2007. Since then, annual accounts are prepared Fund, Fund Centre / Cost Centre & G.L. Code wise in SAP ERP FICO Module. At the end of the every month and at the end of the every financial year, said accounts are being closed & SAP generated monthly Statements Receipt & payment and financial statements viz. Income & Expenditure, Balance Sheet, Receipt & Payment, Trial Balance etc. are submitted to the Municipal Chief Auditor for audit. Thereafter, Annual Accounts are published on the official website <http://portal.mcgm.gov.in> of B.M.C. for the information of the citizens.

Chief Accountant (Treasury) has successfully prepared and closed in SAP system Annual accounts as per the schedules of NMAM, up to the Financial Year 2022-23 and the Books of Accounts are submitted to the Municipal Chief Auditor for Audit. The work of Preparation of Annual Accounts for the financial year 2023-24 and Monthly statements for the period from of April 2023 to March 2024 is being done on war footing and will be submitted to the Municipal Chief Auditor for audit.



6. INFORMATION TECHNOLOGY DEPARTMENT :

1 My BMC Building ID:

This Application provides all information related to particular Building in single Click. Also, facility to link various reference numbers associated with particular Building with SAC ID of Building is available in this Application Subsequently, all on line Services can be used using SAC ID of the Building.

2. 3 D City Model Mumbai :-

The '3 D City Model Mumbai' project has commenced to enhance urban mangement in the City of Mumbai. This initiative involves creating a comprehensive three dimensional digital twin of Mumbai using advanced geospatial technology, encompassing an area of 500 square kilometers across all BMC wards. The digital twin will be developed through aerial, terristrial and mobile backpack LIDAR surveys. This project aims to improve the infrastructure development, disaster mangement and the prevention and removal of encroachments etc.

3. Dashboard :

The BMC IT department recently brought onboard a new system integrator for SAP application. The integrator is currently in the process of creating dashboard using their proprietary tool. Simultaneously, they are also developing existing dash boards from the SAP BIBO module using this new dashboard tool.

4. Low- Code No-Code :-

The Low- Code No-Code platform was implemented in BMC in March 2024 to develop Software applications for the BMC department. The Low-code/No-code paltforms facilitate the development of application quickly and efficently accelerating digital transformation initiatives and enabling innovation across organizations. At present Field Marshal Application is being developed for the SWM department. The Quotation Management System for the CA Finance Depatment . Tree Removal permission for the Garden Department, Hospital Sanitation Management for the Health Department, Malaria Reporting system for the health Department and Centralized Content Management System for the IT Department are being developed.

7. FINANCE AND ADMINISTRATION WING OF THE WATER SUPPLY AND SEWERAGE DEPARTMENT :

(Chief Accountant (W.S.S.D.) :

Loans :-

World Bank Loans :-

Brihanmumbai Municipal Corporation received the World Bank loans through the Government of Maharashtra for the purpose of Mumbai Water Supply & Sewerage Project Phase I, II & III of Rs.832.75 crores & Mumbai Sewage Disposal Project Phase I of Rs. 413.53 crores. Out of the total loan Brihanmumbai Municipal Corporation has repaid the loans amounting to Rs. 828.61 crores & Rs. 388.60 crores, respectively, upto 31.03.2024. The balance of the said loans is Rs. 4.14 crores & Rs. 24.93 crores, respectively.



MMRDA Loans :-

The loan assistance is also received from Mumbai Metropolitan Regional Development Authority (M.M.R.D.A.) for Balance works of III-A Mumbai Water Supply & Sewerage Project of Rs.154.07 crores, Brihanmumbai Municipal Corporation has fully repaid upto 31.03.2019. Brihanmumbai Municipal Corporation has received a loan amounting to Rs.223.94 crore from M.M.R.D.A. for III-A Water Supply Project. Brihanmumbai Municipal Corporation has repaid the loan amounting to Rs. 145.96 crore upto 31.03.2024. The outstanding loan amount is Rs.77.98 crores. The loan received from M.M.R.D.A. under Megacity Project of Rs. 19.70 Crore, Brihanmumbai Municipal Corporation has fully repaid upto 31.03.2021.

Projects under Jawaharlal Nehru National Urban Renewal Mission :-

The Middle Vaitarna Water Supply Project, Mumbai Sewage Disposal Project Stage II, Construction of Underground Tunnel from Malabar Hill Garden to Cross Maidan & Construction of Underground Tunnel from Maroshi to Ruparel College were sanctioned by the Central Government for financial assistance under the Jawaharlal Nehru National Urban Renewal Mission. Under the J.N.N.U.R.M. scheme the Central Government & the State Government had provided 35% & 15%, respectively, of the expenditure of the sanctioned project cost as grant-in-aid. The balance 50% expenditure has been borne by the Brihanmumbai Municipal Corporation from internal fund.

The total estimated cost of the **Middle Vaitarna Water Supply Project** was Rs.1,583.97 crore. The expenditure Finance Committee of the Central Government accorded the sanction for Rs. 1,329.50 Crores as admissible expenditure for grant-in-aid. The Economic Affairs Committee of the Central Government also accorded their sanction to the said project on 22nd February 2007. Accordingly, Brihanmumbai Municipal Corporation has received a grant of Rs. 465.32 crores from Central Government and Rs. 199.42 crores from State Government. The total grant received upto 31.03.2024 of Rs. 664.74 crore.

The total estimated cost of the **Mumbai Sewage Disposal Project Stage II** was Rs. 1,896.00 crore. Out of this, the estimated cost of Component – I primary works under this Project was Rs. 502.41 Crore. However, the Central Sanctioning & Monitoring Committee accorded their sanction for the expenditure of Rs. 364.47 crore, as admissible expenditure for grant-in-aid. Accordingly, Brihanmumbai Municipal Corporation has received a grant of Rs. 114.03 crore from Central Government and Rs. 48.88 crore from State Government. The total grant received upto 31.03.2024 is Rs. 162.91 crore.

The total estimated cost of the Tunnel between **Malbar Hill Garden to Cross Maidan** submitted to Central Government was Rs. 102.13 Crore. However, the Central Sanctioning & Monitoring Committee accorded their sanction for the expenditure of Rs. 93.99 Crore as admissible expenditure for grant-in-aid as on August 2007 for this project. Accordingly, Brihanmumbai Municipal Corporation has received a grant of Rs. 29.61 crore from Central Government and Rs. 12.68 crores from State Government. The total grant received upto 31.03.2024 is of Rs. 42.29 crores.



The total estimated cost of second project for the Tunnel between **Maroshi to Ruparel College** submitted to Central Government, was Rs.315.51 crore. However, the Central Sanctioning & Monitoring Committee accorded their sanction for the expenditure of Rs. 294.87 crore as admissible expenditure for grant-in-aid as on September 2007 for this work. Accordingly, Brihanmumbai Municipal Corporation has received a grant of Rs. 92.88 crore from Central Government and Rs. 39.81 crore from State Government. The total grant received upto 31.03.2024 is Rs. 132.69 crore.

Accordingly, under the J.N.N.U.R.M. scheme, the Brihanmumbai Municipal Corporation has received a grant of Rs.701.84 crore from Central Government and Rs. 300.79 crore from State Government. The total amount received as grant upto 31.03.2024 is Rs. 1002.63 crore.

8. COLLECTION OF REVENUE :

Assessment and Collection Department

The Assessment and Collection Department is the main sources of revenue collection for the Brihanmumbai Municipal Corporation. Assessment of buildings and lands within the jurisdiction of Brihanmumbai Municipal Corporation, calculation of property tax to be levied on them and collection of property tax by issuing annual bills is done by this department. At present there are about 1,135 employees working in Assessment And Collection Department and property tax of Rs. 3199.03 Crores was collected in the financial year 2023-24.

Computerization of Assessment & Collection Department :

A new computerized system has been developed for capital value based taxation, which includes assessment of property, issuance of property tax bills and collection of property tax etc. All work is done by the computer system. The Computerized tax systems is transparent, easy and convenient for users to work.

1) Implementation of Capital Value System :

Property Tax is assessed based on Capital Value System from dt. 01.04.2010. and bills are issued accordingly. There is a provision under section 154 (1c) of the MMC Act, 1888 to revise the Capital Value every five years which was fixed under section 154(A). As per newly added sub-section 154 (1)(D) of MMC Act, 1888 revision in capital value has been postponed by four consecutive years. The increase at the end of the amendment under section 140 (A) of the MMC Act,1888 shall not exceed 40% of the tax of the preceding year.

2) Web display of Property details with Capital Value and Tax payable :

Property Tax Capital Value system has facilitated the citizens to calculate their property tax and online payment of Property Tax through B.M.C. website.

1. Calculation of Tax, Online Payment of Property Tax available on B.M.C. Portal under Property Tax (New) tab.
2. Facility available for filling complaints regarding Property Tax.

3) Brihanmumbai Municipal Corporation has undertaken Integrated Property Validation Solution (IPVS), 360 Degree Project whereby the property related information has been collected from Vendor Company at initial survey, has been



validated with data available in Property Tax Department. On validation of the data, the accepted deviations which were not in the Property tax Net have been undertaken for further detail survey by the vendor company and on receipt of the data from vendor company, assessment have been undertaken with related corrections in Property Tax data of the department. Currently, this system is available only for reference as the contract of this project is terminated. Data available in this system is handed over to IT Department for MyBMC BUID project.

- 4) Concession in property tax levied on land and buildings in respect of schemes implemented for socially or ecologically beneficial schemes is permissible u/s 144 A of the Mumbai Municipal Corporation Act, 1888,
 - a) Sorting all the waste generated in the premises of the building, composting of bio-degradable waste in the premises of the building.
 - b) Sorting all the waste, handing it over to recycling organizations and disposing of it and
 - c) Grey water treatment and re-using the same for toilet flushing, as well as implementing water conservation schemes in the building, residential properties are given a discount of 5 percent each. However, the maximum limit of the concession payable under section 144 A will be limited to 15 percent.
- 5) For the effective recovery of Property Tax, the provision of Section 202 to 206 of MMC Act, 1888 are followed. It involves water disconnection, confiscation of movable properties, attachment and auction of immovable properties etc. Penalty of 2% per Month is levied on unpaid Property Tax after 90 days from the due date. For the recovery of Property Tax u/s 206 of MMC Act, 1888, S.O.P. has been sanctioned by the Administration to implement the auction procedure and contractor has been appointed for Auction Process.
- 6) Maharashtra Act No. 25, 2022 passed accordingly, residential flats / units having carpet area of 46.45 sq.m.(500 sq. ft.) or less situated in Brihanmumbai Municipal Corporation limits have been exempted from all components of Property Tax w.e.f. Dt. 01.01.2022.
- 7) Gallantry Medal Holder Soldiers of Defence forces, and under the scheme 'Hon. Balasaheb Thackre Maji Sainik Sanman Yojana', Ex-servicemen and widows/ wives of soldiers also unmarried martyrs are given exemption in property tax for their residential property.

9. PUBLIC RELATIONS :

Public Relations Department

Public Relations Department tirelessly endeavors to disseminate information about the implementation of projects, initiatives, civic services & facilities, administrative decisions at various levels. The primary goal is to enhance the image of the BMC. In the year 2023-24, the Municipal administration organized numerous activities, programmes and events, along with providing essential civic services and amenities. These endeavors were publicized through various languages newspapers, news channels, and social media platforms. The Public Relations Department plays a pivotal role in



ensuring widespread publicity through newspapers, photographs, audio-visual videos and interviews of officials, newspaper advertisements, news messages, posters, billboards and other promotional medium. The Public Relations Department is working on providing accurate information to the media and citizens regarding various incidents occurring within the BMC's jurisdiction, particularly during the monsoon season.

In the year 2023-24, the Public Relations Department disseminated a total of 730 press releases and issued over 154 clarifications in response to criticism about civic services. These efforts were instrumental in providing the public with accurate information, dispelling misconceptions about the municipal administration. Additionally, the department maintained regular communication with media representatives by sharing information about daily updates, press conference, announcements, and other pertinent information via email and WhatsApp. Furthermore, it diligently documented day-to-day events, initiatives, projects, ceremonies, tours, meetings, and more through photography and audio-visual recordings. Press conferences were organized for the Honorable Municipal Commissioner and senior officials to brief crucial issues. Daily news coverage about BMC is compiled, scanned, and disseminated via email and WhatsApp to the Honorable Municipal Commissioner, Honorable Additional Municipal Commissioner, and various Head of the Departments.

A total of 3,533 advertisements from municipal departments were published in newspapers of different languages. Additionally, the Public Relations Department has published various publications, including the Civic Diary and Calendar for the year 2024, as well as informational booklets such as the Ganeshotsav -2023 booklet. On the occasion of Bharat Ratna Dr. Babasaheb Ambedkar's Mahaparinirvan Diwas, the department released an informational booklet titled 'Dr. Babasaheb Ambedkar Yanchya Jagtik Paulkhuna' (literal translation: Dr. Babasaheb Ambedkar's worldwide footsteps).

A Coffee-Table Book based on the life of Bharat Ratna Dr. Babasaheb Ambedkar was made available for sale, along with the Civic Diary. Additionally, on the occasion of Dr. Babasaheb Ambedkar 's Birth Anniversary on 14th April 2023, and Mahaparinirvan Diwas on 6th December 2023, a photo exhibition was held at Chaityabhoomi (Dadar). The Mahaparinirvan Diwas was broadcasted live on social media platforms and on Doordarshan Channel.

On the occasion of Ganesh Festival, the department had organized 'Ganesh Gaurav Spardha' across Mumbai for all Ganesh Mandal. To commemorate Marathi Bhasha Fortnight, a total of 4,000 color posters were published and distributed, with 1,000 each focusing on four concepts: 'Bhasha Shuddhi', 'Marathi Poetry', and 'Administrative Marathi'. 'The Marathi Bhasha Gaurav Din' ceremony, held on 27th February 2024, was co-ordinated by the Public Relations Department in collaboration with the Chief Personnel Officer and Chief Labour Officer.

A publicity campaign was conducted to highlight various initiatives, including the G-20 International Summit, Azadi Ka Amrit Mahotsav (75th Anniversary of Indian Independence) under which 'Meri Mati - Mera Desh Abhiyan', Maha Swachhata Abhiyan, and Amrut Kalash Yatra event was organized. Additionally, participation in a Mock Drill related to Disaster Management was emphasised, with publicity extended through media. The Public Relations Department also played a pivotal role in promoting efforts undertaken by BMC under the 'Mumbai Beautification Project'. Similarly, the 'Deep Clean Drive' initiated across Mumbai since December 2023 received extensive coverage through print and electronic media, as well as social media, resulting in heightened public awareness and participation.



10. LEGAL DEPARTMENT :

Legal Department of the Brihanmumbai Municipal Corporation is concerned with the litigation for and against the Corporation arising in the Administration of the Mumbai Municipal Corporation Act, 1888 as amended upto date and other Acts, such as Maharashtra Regional and Town Planning Act, 1966; The Bombay Shops and Establishments Act, 1948; The Prevention of Food Adulteration Act, 1954; The Maharashtra (Urban Areas) Preservation of Trees Act, 1975, D. C. Rules and other By-laws etc.

The litigations are both civil and criminal in nature spread over in various different Courts of Law extending to the Writ Jurisdiction in the Hon'ble High Court, Mumbai and the Hon'ble Supreme Court of India and also in Small Causes Court, Human Rights Commission, Motor Accident Claims Tribunal, Labour and Industrial Courts, Co-Operative Courts, Consumer Redressal Forum, Civil and Criminal Courts, Election Petition, Public Interest Litigation, National Green Tribunal of Pune and Hon'ble Courts outside Mumbai, etc.

It also deals with the preparation of all types of Agreements, Lease, Conveyance and Memorandum of Understanding in respect of Municipal properties and matters and investigation of titles of the properties to be taken over by the Corporation as per D.C. Regulations and M.R.T.P. Act. It also prepares agreements, etc. in respect of various projects taken up by the Municipal Corporation.

Legal Department also gives legal opinion to the civic administration as and when sought for.

11. CENTRAL PURCHASE DEPARTMENT :

The Central Purchase Department is inviting e-tenders to appoint the suppliers and issuing Rate Circulars for providing internal services to various Municipal Departments and Hospitals :-

- 1) Various general items such as Furniture, Stationary, School items, Uniform, Insecticides and Linen, etc.
- 2) Medical Equipments & Scheduled Medicines.
- 3) Appointing agencies for various services on public-private partnership model, outsourcing and appointing agencies for providing man power services.

12. CHIEF OFFICER (ENQUIRIES) DEPARTMENT :

The Department of Chief Officer (Enquiries) of Brihanmumbai Municipal Corporation carries out detailed preliminary investigation into various matters related to acceptance of bribe, corruption, leakage in revenue, wasteful expenditure, misappropriation of municipal funds & properties, similar other misconduct and misdeeds and negligence in duty committed by the Municipal employees etc., as per orders of the competent authorities and submits detailed report, on the basis of which administration takes decision whether to conduct Full Fledged Departmental Enquiry / Summary Departmental Enquiry / give recorded warning etc. to concerned employees/officers involved in the case.



The matters involving unauthorized absence of employees and irregularities of minor nature are normally investigated / enquired into by the concerned department, whereas the cases involving malpractices, offences of serious nature, moral turpitude, employees of more than one Department and cases specifically entrusted by the Municipal Commissioner/Addl.M.Cs./Jt. M.Cs./D.M.Cs. & Head of the Departments are dealt with by this Department for investigation/preliminary enquiry/full fledged departmental enquiry. The Municipal employees who have been found to have committed irregularities are duly punished as per the orders of the competent authority. While conducting enquiries against the chargesheeted employees relevant laws, laid down procedures, various rules and regulations and principles of natural justice are scrupulously followed by this Department.

The Anti Corruption Bureau cases are exclusively dealt with by this department. The necessary correspondence with the A. C. B. authorities and with the State Govt. is done by this office. Suspensions, preparing and submitting sanction to prosecute the concerned employee in the Special Court, assisting the sanctioning authority i.e. the Municipal Commissioner during the course of hearing in the Special Court, removing / dismissing the convicted employees and reinstating the exonerated employees after obtaining orders of the competent authorities etc; framing the policies in this context as per the order of D.M.C./Jt. M.Cs./ Addl. M.C./M.C., on the lines of State Govt. is done by this Department. After the receipt of the detailed information in respect of the employees placed under suspension pending criminal cases against them or pending D.E. against them from the concerned department and the same is consolidately maintained upto date by this department and placed before the designated committees set up to review such cases.

Correspondance / Complaints received from Anti Corruption Bureau for obtaining approval for investigation of complaint u/s 17 (A) of prevention of Corruption Act, 1988 is forwarded to the concerned H.O.D. as per prevailing practice for obtaining decision of Competent Authority and accordingly to inform the same to Anti Corruption Bureau. However, the follow-up of the same is undertaken by Enquiry Department.

Apart from this, Procedural Enquiry Assistance is provided to outside Enquiry Officers and Appellate Authorities such as Head of the department, Dy. Municipal Commissioner, Jt. Municipal Commissioner, Additional Municipal Commissioner by Investigation Officer (Enquiries), Asstt. Chief Officer (Enquiries) & Dy. Chief Officer (Enquiries) of this department. Besides this, as per Municipal Commissioner's orders, Inspection of various departments are carried out by this office staff & irregularities observed are brought to the notice of the competent authority. Also Court Cases, litigations filed by the employees against the punishment/suspension etc. ordered in the enquiries conducted by this department in various Courts are handled by this Department.

Further, a system has been developed under SAP System for No Objection Certificate for Promotion, Voluntary Retirement, Superannuation, Passport of the Employees. In this behalf, directives are circulated to all Head of Departments/Dean/ Asstt. Commissioners etc. as per Circular No. Ch.O.E/HO/2514 dt. 01-10-2020.

Along with the above mentioned duties/ activities the department of Chief Officer (Enquiries) has handled following crucial enquiries.



1. Fire incident at Kamala Mills Compound.
2. Irregularities observed during execution of desilting works.
3. Irregularities in execution of repairs of roads.
4. Irregularities in e-tendering process.
5. Enquiry regarding Jogeshwari Plot.
6. Incident of Blindness due to infection to patients admitted in Hindu Hriday Samrat Balasaheb Thackare Hospital, Kandivali.
7. Recruitment of Bogus labours in S.W.M. Department with the help of forged documents.
8. Himalaya Bridge Mishap.

13. BRIHANMUMBAI MUNICIPAL SECURITY FORCE (B.M.S.F.):

Brihanmumbai Municipal Security Force was established in the year 1966 by centralising all the watch and ward services, then existing in the Corporation. The main function of this force is to safeguard and protect municipal properties and all other assets in City, Suburbs and Outside City Division in Thane District and Palghar District. Taking into consideration the events of serial bomb blasts and communal riots in the year 1992-93, security arrangements at all the municipal installations have been strengthened. In view of the increasing terrorist activities and to ensure uninterrupted essential Municipal Services to the citizens of Mumbai City, security at all installations has been enhanced by adopting modern systems, devices and equipments. The Municipal Administration has arranged to install CCTV/DVR system, Door Frame and Hand Metal Detectors, X-ray Baggage Screening Machines, under vehicle checking mirrors etc. at almost all the major offices, hospitals and other vital installations for effective security checks. With the help of all these devices and equipments, activities of all the incoming and outgoing persons are monitored and proper vigil from the point of security is maintained. For safety of mothers and newly born infants, private security attendant have been posted at the Municipal Hospitals where confinement and pre-confinements wards are situated.

Additional Security Staff from Maharashtra State Security Corporation are posted at K.E.M. Hospital, L.T.M.G. Hospital, B.Y.L. Nair Hospital, Dr. R. N. Cooper Hospital. At Deonar Dumping Ground all security arrangement is provided by Maharashtra State Security Corporation. Similarly, Security Guard Board Greater Mumbai and Thane District, have provided security on various other Important installations of BMC.

347 Security Guards of Municipal Security Force are given one month training by Disaster Management Cell and in future 100 more Security Guards will be trained by Disaster Management Cell.

The Brihanmumbai Municipal Security Force has established its own independent training school at Bhandup Complex with all modern facilities. Where physical as well as indoor training on various topics pertaining to security is provided to all the members of the force. This training centre is also made available on demand and subject to availability to other paramilitary or Police Force sometimes for their training purpose. For training in arms and ammunition, arrangement were made at Maharashtra Rifle Association, Worli, and Military Firing Range at Pokhran, Thane.



Mobile Squad :

The Water Supply to Mumbai City is made from the Modak Sagar, Middle Vaitarna, Tansa, Vihar and Tulsi Lakes. The first three Lakes are situated far away from the city in remote forest areas of Palghar District, Thane. The water is supplied through water trunk mains and there is a huge treatment plant situated at Pise and Panjarapore near Bhiwandi. The Brihanmumbai Municipal Security Force is guarding all these lakes, pipelines, treatment plants, pumping stations and dams with the help of Mobile Squad, patrolling the entire area day and night together with local police. The Force is also having another Mobile Squad at water treatment plant Bhandup Complex and the said Squad also patrols the area day and night with Armed Security Guards, at Bhandup Complex.

Like wise, all the four major hospitals i.e. K.E.M. Hospital, L.T.M.G. Hospital, B.Y.L.Nair Hospital and Dr. R. N. Cooper Hospital, also have patrolling special squads which takes round in hospital in the three shifts.

Armed Security Guards :

The Brihanmumbai Municipal Security Force has its own Armed Security Personnel Unit. Armed Security Guards are posted at vital and sensitive municipal installations for protection purpose. The services of Armed Security Personnel are utilised for safeguarding the Cash Van, Cash Counters and for Bandobast purpose as and when required. In case of emergencies and during Bandh, Strike or other agitations, protection to higher authorities is also provided by the Armed Security Personnel.

Special Contribution to Other Departments :

The officers and subordinate security personnel play a vital role in the working of various departments of the Corporation such as S.W.M., Enchroachment Removal, License Department etc. The services of officers and security men of the force have been utilised and appreciated by administration from time to time especially in cleanliness drive, Mass demolition & Mass action against unauthorised hawkers, action against octroi evaders etc.

During the strike or other kind of agitations organised by various unions, the essential services run by the Corporation are always adversely affected. In all such events, the officers and men of the Force have always assisted the administration for managing the essential services. The officers are trained to maintain liaison with other Government organizations viz. Police, Home Guards, Civil Defense etc. and they render their valuable services to the local authorities in the area where they are posted. During all the Municipal General Elections, the Security Force had assisted the Municipal administration and the election authorities to carry out the election process smoothly.

14. MUNICIPAL PRINTING PRESS :

The Management of the Municipal Printing Press is constantly striving hard for modernization, productivity & quality output & also working hard for training on workers & officers.

In the last financial year 2023-24 there is a significant increase in the print requirement, from various department of Brihanmumbai Municipal Corporation. In spite of the variety of requirement, Municipal Printing Press is giving satisfactory print services



to all the departments. It is the intention of the Manager, Municipal Printing Press to acquire the other Municipal Corporation's jobs in Maharashtra to capture the revenue for BMC.

There is significant increase in VDP type printing & On Demand printing jobs. For this various kinds of variety jobs Municipal Printing Press is equipped with versatile printing machines, such as mono & colour digital machines. Due to this it is easier for Municipal Printing Press to deliver jobs quickly within stipulated time period. There are other modern equipments are also installed in Binding department for quality outputs.

At present Municipal Printing Press is endeavouring for maximum quality work in minimum manpower.

Due to the advance print equipment and latest technology Municipal Printing Press has become a role model for the other Government and Semi-Government Press.

15. CENTRAL ARCHIVES CELL :

In accordance to provisions of 'Maharashtra Public Record Act 2005', Central Archives Cell is established in 2008 with the control of Chief Archives Officer to preserve the important old record of the Brihanmumbai Municipal Corporation.

As per Hon'ble Municipal Commissioner's circular no. MOM/3293 dt. 25.03.2013, Central Archives Cell visited various departments of the B.M.C. and guided to Public Information Officers / Record Officers, how to protect & classified the important record and how to dispose off the outdated record.

As per rule no. 8(1) of the Maharashtra Public Record Rule 2007, the Central Archives Cell circulated the circular No. CRO/RE/14 of 07.07.2023 to all the Departments and Wards of the Brihanmumbai Municipal Corporation and instructed to prepare the annual report of records under their jurisdiction in Form 5 in order to submit to the Hon'ble Director, Directorate of Archives, Government of Maharashtra through the Hon'ble Commissioner, Brihanmumbai Municipal Corporation.





Water Supply





Middle Vaitarna Dam



Bhandup Water Treatment Plant



Water Supply

HYDRAULIC ENGINEER'S DEPARTMENT

Water Supply :

Mumbai receives raw water from seven impounded water resources viz. Vihar and Tulsi within Mumbai and Tansa, Modak Sagar, Upper Vaitarna, Middle Vaitarna and Bhatasa located at a distance of about 100 to 175 Kms from Mumbai.

Raw water available from these sources is conveyed with transmission main system ranging from 5,500 mm to 2,235 mm diameter pipelines and tunnels to the state of the art water treatment facilities at Bhandup Complex (2,810 M.L.D.) and Panjrapor (1,365 M.L.D.). Water Treatment facilities for Tulsi (18 M.L.D.) and Vihar (90 M.L.D.) are located near to these sources. At these treatment plants, water is treated with processes such as coagulation, flocculation, settling, rapid sand filtration and post-Chlorination and quality of the effluent water is maintained in accordance with IS 10500:2012 -Drinking water Specifications.

The treated water is stored in the Master Balancing Reservoirs (M.B.R.) located near to treatment plants at Bhandup Complex (within Mumbai) and Yewai (Outside Mumbai). It is further distributed to 27 service reservoirs located throughout Mumbai City with water supply network of about 450 Kms. This conveyance system remains charged for 24 hours and eliminates the chances of water contamination by intrusion of ground water /sewage etc. At present 3950 M. L. D. water is supplied to Mumbai per day.

Population Projection, Demand and Augmentation of Water Supply

The population growth trend of Mumbai is continued. The projected population of Mumbai is anticipated to be 17.24 million by the year 2041. The projected water demand for year 2041 is 6,535 M.L.D. (including enroute supply and transmission losses). The process of developing, Government allotted Gargai (440 M.L.D.), Pinjal (865 M.L.D.) and Damanganga-Pinjal River Link Project (1,586 M.L.D.) water supply sources to meet the future water demand. On completion of these projects, the water supply will be augmented by 2,891 M.L.D.

Sr.No.	Source	Year	Yield in M.L.D.		Distance from City in Kms	Remarks
			Commutative			
1.	Vihar	1860	90	90	Within City	Present Source
2.	Tulsi	1872	18	108	Within City	
3.	Tansa	1892-1945	500	608	106	
4.	Lower Vaitarna	1954	455	1063	119	



5.	* Upper Vaitarna	1972	635	1698	163	Present Sources
6.	* Bhatsa	1980-2007	2120	3818	102	
7.	Middle Vaitarna	2014	455	4273	150	
8.	Gargai	2022-2027	440	4713	180	Future Sources
9.	Pinjal	2024-2025	865	5578	195	
10.	Damanganga	2029-2030	1586	7164		

*** Under Jurisdiction of State Government**

Abhay Yojna :

'Abhay Yojna' is implemented from 15th February 2020 which facilitated water connection holders to get relief from paying additional charges on the outstanding dues. From 1st April 2023 to 31st March 2024 about 8259 connection holders have taken the benefits of 'Abhay Yojna' and Rs. 40.85 cr. subsidy was given to them.

'Water for all' policy :

From May 2022, B.M.C. has implemented all inclusive 'Water for All' policy to provide water supply to slums unauthorised non slum, Gaothan and Koliwada people for supplying water. Under this policy, after fulfilment of required documents, all above mentioned people will eligible for new water connection. Under this policy till 31st March 2024, approximately 11454 PO issued and about 5000 new connections granted.

Work for Water Distribution Improvement Programme :

Sr. No.	Particulars of Work	Completed in 2023 -24 so far	Proposed in 2024-25
1	Replacement / Laying of Pipeline	109.211 km.	166.43 km
2	Repairs & Reconstruction of Valve of Chambers	2,518 no.	2,350 no.
3	Renewal of Service Connections	33,664 no.	61,155 no.
4	Removal of Bunch of Connections	37 no.	19 no.





Education Department





BMC Study room in Khotachiwadi, Girgaon



Municipal School, Worli Sea Face



Education Department

As per the directives laid under Section 61 (Q) of the Mumbai Municipal Corporation Act, 1888, providing free Primary Education to the Children of Mumbai, is obligatory and binding duty of the Brihanmumbai Municipal Corporation. Since 1907, B. M. C Education Department has been accomplishing this responsibility.

In the academic year 2023-24, 2,60,281 students are catered quality education through 938 primary schools of Brihanmumbai Municipal Corporation running in eight mediums. For this purpose, 7,398 teachers are working. Also, our 78 teachers are engaged in the services of our 876 specially-abled students from 19 B. M. C. special schools.

From the year 2007 – 08 Brihanmumbai Municipal Corporation has launched English medium schools under the name of 'MUMBAI PUBLIC SCHOOL' in which education facility from Jr. Kg. to 10th STD. has been provided. From the year 2020 – 21-2023-24. Brihanmumbai Municipal Corporation has established a total of 17 schools such as 14 of C.B.S.E. board and 01 of each I.C.S.E., I.G.C.S..E and I.B. board. In the year 2024-25; four more schools of C.B.S.E. board will be opened.

Under 'Right to Education Act of 2009' for free and compulsory education of children of age 06 to 14 years, all the children can access free education in any nearby Brihanmumbai Municipal Corporation school or Brihanmumbai Municipal Corporation aided school. Children are admitted in the classes as per their age group. Entire system of Brihanmumbai Municipal Corporation education department takes all efforts to ensure that 100% students get admission in schools under preview of Brihanmumbai Municipal Corporation. In the academic year 2022-23 a venture named "Ekach Lakshya Ek Lakshy" was implemented under "Mission admission". Through this venture Brihanmumbai Municipal Corporation became successful in bringing maximum school age, out of school children in main stream of education. These efforts of Brihanmumbai Municipal Corporation education department was acknowledged on National level and Education Officer of Brihanmumbai Municipal Corporation was awarded with National award for Mission admission.

Secondary Education Section :

The Municipal Corporation has also been running secondary schools since 1965 and at present 49 aided secondary schools is providing free education facilities. Also, 142 unaided secondary schools are also running at present. A total of 191 municipal secondary schools are providing free education to 38,450 students and about 1,244 teachers are working.

In the year 2023-24, the number of students in secondary schools is aided – 15,470, unaided 22,980, a total of 38450 students are studying in municipal secondary schools. Secondary Education Marathi, Hindi, English, Urdu, Gujarati, Telugu, Kannada, Tamil etc. given through medium.

Out of 17,140 students who appeared for the secondary school examination conducted in March 2023 total 14,529 from aided and unaided secondary schools of Brihanmumbai Municipal Corporation, students have passed. In the March 2023



secondary school examination, 59 students of municipal secondary schools have secured 90 percent and above marks. The overall result of Brihanmumbai Municipal Corporation is 84.77%. The result of 41 B.M.C. schools 100%.

A student of Gundawali M.P.S. Kumar Shubham Awadhesh Singh, has secured the honor of coming first from all municipal schools by securing 95.20 percent marks.

D.Ed. / Science Junior College :

Two Urdu Colleges namely R. C. Urdu College, Imamwada and R.C. Urdu College, Mahim are being run on subsidized basis by Brihanmumbai Municipal Corporation. Presently, without any financial burden on the Municipal Corporation, 1) Bhavanishankar Road Municipal School, Dadar (W), 2) Ratanbai Valbai Municipal School, Mulund (W.), and IDEAL through the educational institution 3) Dixit Road Municipal School, Vile Parle (W.) through Vidyalankar Sanstha. Science Junior Colleges are started on partnership basis. Meritorious students who have studied in municipal secondary schools are provided free education in 11th and 12th. Also students are prepared for the exams like I.I.T., J.E.E. etc.

Private Primary Schools :

Education Department regulates the private Primary schools by way of giving recognition and registration of these Schools. It also looks into the administration and the effective functioning of these schools. The below mentioned B.M.C. recognized aided and unaided schools functions under the Dy. E.O. of Private Primary Schools Department.

Type of School	School Strength	Student Strength	Teaching Staff
Aided	385	1,06,448	2,595
Unaided	678	2,64,185	6,585

School Buildings –

No. of school buildings is as follows :-

(As per data received 2023-24)

Sr. No.	Type of Building	Total School Buildings
1	Municipal Owned Buildings	459
2	Rent Free Buildings	23
3	Rented Buildings	207
4	W.O.(Estate)	32
	Total	721

Various welfare schemes for differently abled students :

- A) Scholarship-** Students from std. 1st to std. 10th, who secures 'B' grade or above in both semester exams, are awarded with scholarship of Rs.1,000/- to Rs.2,000/- per annum.

In the year 2023-24, total of 2687 students of the academic year 2022-23 were awarded with this scholarship.

- B) Attendance allowance schemes -** For the academic year 2022-23, a total of 3529 students will be given attendance allowance of Rs.20/- per day for the year Completed in 2023- 24.



- C) In the year 2023-24, to make teaching-learning process easy for special students, a workbook by 'Disha' course syllabus were distributed to 878 students.

The said scheme will continue in the year 2024-25.

- D) Students of 18 special schools were provided with 05 types of therapy materials in the year 2023-24.

Department of Physical Education :

- ❖ The Department of Physical Education is functioning under the Municipal Education Department. The Department organizes various team and individual sports competitions like Yogasana, Kabaddi, Kho-Kho, Volleyball, Handball, Football, Judo, Wrestling, Ataya Pataya, Basketball, Chess, Carrom, Thai Boxing, Thangta, Rugby. In the year 2023-24, a total of 2,435 students of the primary department and a total of 4,080 students of the secondary department participated in various sports competitions organized by the government and external organizations.
- ❖ Statistical information of students who have qualified by participating in state and national level competitions organized by government competitions and external organizations.

Sr.No	Competition Level	Primary	Secondary	Total
1	State	15	40	55
2	National	4	17	21
	Total	19	57	76

- ❖ 327 municipal students benefited from free cricket training at 08 grounds through Mumbai Cricket Association. Among them 15 students have been selected for special advanced training
- ❖ Free swimming training was given to the students of municipal schools at the swimming center of the municipal corporation. Out of 103 students participating in this, 86 students were given special one-year training in swimming.
- ❖ Out of 03 main centres equipped with all sports facilities, training has started at 02 main sports centre. Also out of 32 sub centres, training of students with all sports materials has started in 23 sub centres.
- ❖ Shree Chhatrapati Shivaji Maharaj Traditional Games Maha Kumbh Competition 2023-24 was organized at 80 places. 16 traditional games were included in this. More than 44,000 students from municipal schools participated in the said competition. Brihanmumbai Municipal Education Department has been registered in the Guinness Book of World Records for organizing the finals of 08 sports on the same day on the same ground and the Education Department was honoured with a certificate through the said organization.

Scout-Guide Section :

Scout-Guide is a global movement and the curriculum is implemented based on the four pillars of morale, health, handicrafts and service, and model citizens are created through various activities.

In the academic year 2023-24, 31,760 students and 1,292 teachers have been enrolled in Scout-Guide movement. Also this year 187 students received state level



awards (42 IV Charan, 28 Diamond Wings, 55 Guides and 62 Scouts). Also 07 cub students have received national level award (Golden Arrow Award). B.M.C. Scout-Guide troops participated in 26 January 2024 government Republic Day parade held at Shivaji Park, Dadar.

Scout Guide training centre Powai has undertaken the project of "Kitchen Garden" for students under the name of 'Urban Vegetable Farming'. Kitchen Garden is included as a subject in the syllabus of Scout Guide. Hence it is necessary for Scout Guide students to gain mastery medal of this subject if they wish to go for State award and President award. Also it is necessary to increase greenery on earth to curb pollution and reduce Global Warming. Hence this project is taken up by students.

Music and Art Academy :

Music : Planning of well-equipped Music Academy of 24 wards is in the process.

This year Group singing workshop, folk dance workshop, Natyasangit training program well implemented in order to increase the quality of various school activities significantly. Among artistic activities SWARAANJALI & CHITRANJALI, Bhakti Sangit program on the occasion of Ashadhi Ekadashi became popular on memorial day program of Shri. M. W. Desai (Former Municipal Commissioner and founder member of music academy). In the lecture demonstration program a Pt. Vivek Sonar the student of Pt. Hariprasad Chourasiya has given guidance on flute play and an event Sangit Saptah was presented very enthusiastically and the B.M.C. students program 'Jau Santachiya Gawa' and the one act play of Music Teachers got huge rounds of applause and appreciated by all the respected officials.

In music competition 5,000 students have participated. In music exam conducted by Akhil Bharatiy Gandharv Mahavidyalay 300 students pass with flying colours.

The most proud event of the year 2023-24 for Brihanmumbai Municipal Education Department is that our former student Mr. Mayur Sukale has won the Filmfare Award for his playback of the song 'Gau Nako Re Kisna' in the Marathi film 'Maharashtra Shaheer'.

The song 'Radha Ka Bhi Sham' by Ashi Vipassana, the winner of the 2023-24 music competition, became a hit in municipal schools and was highly appreciated by dignitaries and fans.

State level program like 1st May (Maharashtra Din), Marathi Bhasha din etc. were presented very successfully in the presence of honorable commissioner and governor. Received a great applause.

Art :

Art Department -

Four students were selected at the state level in the energy conservation competition.

- ❖ The Government Drawing Grade Examinations were organized in October 2023 through Maharashtra State Art Directorate.
- ❖ 3,372 students appeared in the elementary examination. Out of them 3,087 students passed Out of it, 200 students got 'A' grade, 719 students got 'B' grade.
- ❖ 1,497 students appeared in the intermediate examination. Out of them 1356 students passed Out of which 114 students got 'A' grade, 278 students got 'B' grade.



- ❖ In the Bombay Art Society 132nd Art Exhibition, Art Instructor painting won the awarded.
- ❖ In the Art Society of India 106th Picture Exhibition drawing of Shivaji Nagar Municipal School has been elected.
- ❖ During the period of 15th, 16th and 17th December 2023, the educational Exhibition organized at Nesco, Goregaon East, Children's Painting, Photography, selected Painting Exhibition and exhibition of selected paintings painted in the artist camp were organized through the art academy.
- ❖ World famous cartoonist Hindu Hrudayasmarat Shiv Sena Chief Shri. Balasaheb Thakrey Children's drawing Competition is organized by Hon'ble Mayor every year. The concept of this competition is "My Mumbai". In the year 2023-24 on 14th January 2024 this competition was organized in 48 grounds/gardens all over Mumbai. In this competition 88,742 students participated. The prize distribution ceremony of this competition was organized at Hambolt Penguins Hall, Veermata Jijabai Bhosale Botanical gardens and zoo on 21st March 2024.
- ❖ An exhibition was held at Nehru Center art gallery, worli from 5th March to 11th March 2024. In this exhibition painting of municipal art teachers which were printed during Artist Camp at Murud Janjira were exhibited.

Work Experience :

Various activities are undertaken to develop skills from work experience. Under the new education policy maximum emphasis has been laid on various vocation-oriented activities based on skill development. In this activities awareness of environmental protection through compulsory activities, need-based activities, productive activities is done. Public awareness is created about water literacy and disaster management. Keeping in view the available facilities and the interest and needs of the students, under the voluntary activities in the productive sector, rakhi making, gift card making, paper bag making, sky lantern making, cutwork rangoli making, earthen lamp, kite making, intermediate student competition in the productive sector, Intermediate Teacher Competition, Teacher Visit to Small Scale Industry Sector etc. is organized.

In the year 2023-24, approximately 18,523 students participate in the activities and 3948 students will be awarded prizes and certificates.

In the year 2024-25, the said competition, activities, workshop field visits will be continue.

Virtual Classroom (V.T.C.) :

In the year 2011, the education department of the Brihanmumbai Municipal Corporation established a virtual classroom. At present, the lectures of expert teachers are being broadcasted live in 4 mediums (360 primary and 120 secondary) in total 480 VTC schools of 04 mediums namely Marathi, Hindi, Urdu and English. For each class from class 1st to class 10th, teaching is being done through four mediums namely Marathi, Hindi, Urdu and English.

Computer Lab Upgradation :

The tender process for updating 224 (Primary 193 and Secondary 31) computer labs and purchasing additional computer sets in 50 computer labs (Primary 41 and Secondary 09) through the education department of Brihanmumbai Municipal Corporation has been completed. Among them, 112 computer labs will be upgraded and 38 computer sets will be purchased in the year 2023-24.



Digital Classroom :

In the year 2022-23, the tender process for digitalization of 1,300 classrooms in the schools of Brihanmumbai Municipal Corporation through interactive panels has been completed through the Mechanical and Electrical (M. E.) Department and electrification for installation of digital classrooms in municipal schools. The work process has been completed and material is supplied through contractor in schools.

School Management Information System :

Under the education department of Brihanmumbai Municipal Corporation, primary and secondary schools are required to perform other administrative tasks along with academic work.

Therefore, the tender process for starting the school management system to collect all the necessary information in the school to bring uniformity in it and to monitor and review the information submitted from time to time has been completed. In this, the facility of MobileApp will be provided to all the principals.

Creation of online software for transfers of Principals and Teachers :

It is planned to develop software for online transfers of teachers and principals of Brihanmumbai Municipal Corporation.

By determining the policy of transfers of principals and teachers in the education department, transparent transfers will be made through online software to avoid human intervention. Eligible teachers will be transferred as per government rules.

E- Library :

In the year 2020-21, E-Library has been set up in 25 municipal secondary schools. In this E-Library books of all subjects from class 5th to 10th as well as necessary reference books are made available in free format. Considering the usefulness of the E-Library, 50 more E-Libraries will be set up in municipal primary schools in the year 2024-25.

Gamified learning app:

Gamified Learning App has been made available for the 10th students of Brihanmumbai Municipal Schools. Gamified Learning App with E-content (Education through games) has been made available to the 10th class students of municipal schools.

Documentary Film / Videos :

Information about the efforts made by the Brihanmumbai Municipal Corporation to provide quality education to the children in municipal schools must be communicated to all the general public in video form. For this, it is necessary to make a video giving information about various activities and publicize it through various media (TV, Internet).

Water Purifiers and Conservation for School Students :

Water purifiers have been installed in the schools of Brihanmumbai Municipal Corporation to provide clean drinking water to the students.

M.D.F. desk Chair for siting arrangement of school :

There is an increase in the number of students from class 1st to 10th in municipal schools. Also, the desk benches in use are broken down, so the tender process has been implemented for the purchase of 22,450 desks and 37,458 chairs for the primary department and 6,320 desks and 12,640 chairs for the secondary department for the year 2023-24 and 2024-25.



B.E.S.T. Bus (Chalo Smart Card) under Free Travel for School Students :

Since 2016-17, B.E.S.T. buses and special ferry bus services are being made available for municipal school students under the concession scheme available under the BEST initiative for uniformed students of Brihanmumbai Municipal Corporation schools. Free travel facility of BEST bus from student's residence to the school is being provided to the uniformed students from 1st to 10th standard.

Also, special bus services for Brihanmumbai Municipal Corporation school students are being provided on such routes where the vehicles of BEST sections are not available.

Organic Farming (Kitchen Garden) :

Organic Farming (Kitchen Garden) has been established in 100 school buildings in the city division of Brihanmumbai Municipal Corporation with the joint contribution of Brihanmumbai Municipal Corporation and Maharashtra Government Secretary, District Planning Committee Mumbai City. Under this project, the students of the city will understand the importance of organically grown vegetables. By understanding the importance of organically grown vegetables, the students will understand the importance of string and healthy lifestyle. Useful and eco-friendly vegetables will be available. It will also help in beautifying the school premises.

Open or Closed Gym :

Open or closed Gym are being established in 100 school buildings in the western suburbs of the Brihanmumbai Municipal Corporation and 100 school buildings in the eastern suburbs of the Brihanmumbai Municipal Corporation in association with the Secretary to the Government of Maharashtra, District Planning Committee, Mumbai City.

Library Department :

A total of 43 public libraries/reading rooms are run under the supervision of Education Department on behalf of Brihanmumbai Municipal Corporation to provide library/reading facilities to the citizens and students of Brihanmumbai area. Out of these, a total of 29 libraries/reading rooms have been given to "Mumbai Marathi Granth Sangrahalay" since 1965 for conservation and management under the agreement. 02 Libraries/reading rooms are being run by the State Govt. 04 Libraries/reading rooms are being run by private organizations viz Magathane Mitra Mandal, India Development Council, Shailendra Education Society and Dahisar Sports.

06 spaces reserved for libraries for public purposes have been given to 06 reputed institutions in Mumbai area for preservation and management on custodial basis. There are libraries/reading rooms in good condition in the said premises. Among them 02 libraries/reading rooms namely Bombay Center for Deaf and Shyamrao Vitthal Co-op. Bank Ltd. are currently closed. On behalf of municipal corporation, E-Library and study center is made available for the local students in the library of Dahisar (W) in R/N ward and study centre at Chembur in M/W ward.

Zone wise 06 teacher libraries are being run for the knowledge and entertainment of the teaching and non-teaching staff working in the education department as well as providing educational reference services useful for higher education. Among them, as the building at Dadar Hindu Colony is being newly constructed, the library therein has been temporarily merged with Municipal Teacher's Library at Grant Road, Gilder Tank. These libraries are used by the zonal teaching and non-teaching staff as well as the staff of other departments.



School library :

As per RTE Act, 2009, School Library is mandatory. On behalf of municipal corporation and in collaboration with the organisation named "Room to Read" library were made available in 34 schools in the year 2019-20 and 55 schools in the year 2020-21. Similarly, libraries were made available in 406 schools and students of all mediums in schools complex take benefit of this facility.

Vidnyan Kutuhal Bhavan :

Vidyan Kutuhal Bhavan set up in City of Los Angeles Municipal School is a very popular in B.M.C. schools. Science and Geographical models are exhibited in this center, which enhance curiosity among the students. For this as per annual planning 03 Mini Buses are used for commutation to brought students of all languages school. Student can enjoy with this model. During this year total 9,459 people including 9,026 Students, 415 Teachers and 18 Peons visited to Vidyan Kutuhal Bhavan.

Medical Officer (Schools) Section :

School Health Services :

The School Health Department conducts an annual medical examination of all students of the Brihanmumbai Municipal Corporation schools from classes 1st to 10th. Medical examination is conducted by medical teams visiting each school successively during the academic year from June to April. The medical team consists of one medical officer, one junior health nurse and one peon.

During these examinations Defects, Diseases, Deficiency, Delay in growth, etc. are identified and if any of these are detected, they are referred to B.M.C. Dispensaries, H.B.T. Clinic, and School Clinics within General Hospitals for further investigations, confirmation of diagnosis and further medical/surgical treatment. Follow-ups of these children are done by the School Health Medical Team. All investigations, treatment, and surgeries are done free of cost in B.M.C facilities for these children. Total of 2,54,498 students including 1,28,429 boys and 1,26,069 girls were medically examined during the academic year June - 2023 to March – 2024.

Distribution of Spectacles- Children who are found visually impaired during medical examination are further investigated and are given spectacles. In 2023-24, a total of 1886 spectacles (B.M.C. fund 1,105 + N.G.O. 781) were distributed.

National Deworming Mission- Under this program, children are given deworming tablets twice a year under the supervision of BMC school teachers. National Deworming Day (13th February 2024) and Mop Up Day (20th February 2024) were implemented for children going to B.M.C. and Aided schools. Out of 3,92,410 children, 3,76,799 (96.02%) children were given deworming tablets.

Financial assistance for students who have passed the examination in secondary schools:

An amount of Rs.25,000/- per student per year for Degree/Professional Education is given to the first 25 students who passed the Secondary School certificate Examination from Municipal Secondary Schools since March 2020 Rs.25,000/- or full tuition as decided by the concerned educational institution, (Only Tuition Fee) benefit is given to the students of Municipal Corporation. This provides the best career opportunities to students studying in municipal schools.



Career Counselling Program for Higher Secondary School Students :

Career Counselling Program for Students of Higher Secondary Schools is organized so that they should have comprehensive information. For this, under the Career Aware programme, a WhatsApp chatbot initiative has been launched from March 2021 for the students of class 9th and class 10th in municipal secondary schools with the public participation of Antrang Foundation. Students are being personally guided to complete the college admission process.

School Excellence Programme :

The Department of Education is implementing two initiatives in partnership with Aditya Birla Education Trust. "Samarth Upakram" and "Urja Upakram".

Samarth Upakram : An online workshop on pedagogy being implemented globally to develop the teaching skills of teachers is organized under the 'Samarth Initiative'.

Urja Upakram : Along with this, to keep the mental health of all the students healthy, an Urja initiative has been taken up every three years. The said activity is being implemented in a phased manner. Under this initiative, all teachers have been trained to screen students for mental disorders.

In the academic year 2023-24, about 5,000 primary school teachers and about 700 secondary school teachers in the remaining wards were given offline training. In this way, the mental health of the students can be strengthened by diagnosing the students suffering from mental illness at the initial stage and treating them through counselling.

Distribution of Free Textbooks :

In the academic year 2023-24, total 15,93,183 textbooks were distributed free of cost to our Brihanmumbai Municipal Corporation school students (Std.I to Std.VIII) under Samagra Shiksha and also to aided school students (Std. I to Std. IV).

Free Distribution of Scholastic Materials :

Recently distribution of school supplies to B.M.C. school students has been completed for the year 2022-23 & 2023-24 by the Education Department.

Tab :

To make the students of Brihanmumbai Municipal Corporation aware of new technology and get modern education according to the changing times, 22,799 Tabs in the year 2015-16 , 21,044 in the year 2016-17 and 18,078 in the year 2017-18 were provided to students of Marathi ,Urdu ,English and Hindi Medium of 8th ,9th and 10th std . In the year 2021-22 , 19,401 tabs are supplied to class 10th students with original warranty for the 1st year and extended warranty for next 4 years.

Sanitary Napkin with Incinerator Machine :

Since 2018, sanitary Napkins with disposable pouches are being provided with Vending Machines for the Girls students of 6th to 8th std by the Brihanmumbai Municipal schools. At present, Sanitary Napkins has been supplied to the students of Municipal Schools till the year 2022-23. Also the tendering process of supply of Sanitary Napkins with Incinerator Machine except vending machine to the Municipal School Students is initiated through Dy. Che. Eng. (C.P.D.) Byculla office for the year 2023-24 & 2024-25.



C.C.T.V :

In order to provide security to the school students, teachers, school building, equipments, school premises etc., the administrative approval for proposal of installing the C.C.T.V. cameras in city section on pilot basis in the Brihanmumbai Municipal Schools by Education department has been obtained from Concerned authority.

Mission Financial Literacy :

Brihanmumbai Municipal Corporation in co-operation with Bombay Stock Exchange Ltd. Has jointly organised an initiative named "Mission Financial Literacy" with the view of increasing economic level of families of students studying in B.M.C. Schools in their future. Accordingly, 100 Master Trainers are imparted with financial literacy training and through them all other B.M.C. teachers have been trained. Trained teachers have commenced with teaching financial literacy to students of std 8th and std 9th.

Prime Minister Poshan Shakti Nirman Scheme :

As per the indications ordained by the Central Government and the State Government, a 'Prime Minister Poshan Shakti Nirman Scheme' is being implemented for the students of std. 1st to std. 5th in B.M.C. Primary Schools. Under this scheme students are provided with 400 to 450 grams of cooked food containing 450 calories and 12 grams of protein for at least 222 days in a year. Similarly, under the scheme of "NATIONAL MID – DAY MEAL" students of std. 6th to 8th are provided with 700 to 750 grams of cooked food containing 700 calories and 20 grams of protein for at least 222 days in a year.

Mayor Award :

To encourage the teachers who are doing the sacred work of education, to give them inspiration and motivation and to work with body, mind and money while creating the future citizens of tomorrow, 50 principals and teachers from primary, secondary, special schools and private aided schools of the Brihanmumbai Municipal Corporation are honored with the Ideal Teacher Mayor Award by the Honorable Mayor on the birth anniversary of former President of India Dr. Sarvepalli Radhakrishnan on September 05.

Balakotsav :

Students of Brihanmumbai Municipal Corporation schools are provided a great opportunity to showcase their dance, music and acting skills and this is an important competition in which around 20,520 students from across the Municipal Corporation participate.

This competition is organized at the zone level and ward level. Three types of competitions are organized under the Balakotsav competition. In which Drama competition, cultural program competition is conducted at ward level.

Street play Competition :

In the memory of Hindu Hriday Samrat Balasaheb Thackeray, every year a street play competition is organized by giving three different topics to the students of municipal schools from three different zones to showcase their talents with the aim of presenting a unique piece of art on the burning issue of the society with very limited resources. In the year 2023-24 this competition could not take place due to excess workload.



Scholarship Exam :

Pre-Higher Primary School and Pre-Secondary School Scholarship Exam is an important out-of-school competitive exam conducted by Maharashtra State Examination Council Pune for the students of class 5th and class 8th and this exam is conducted every year in the second or third week of February. The scholarship examination for the period 2023-24 was conducted on 18 February 2024 by the Maharashtra State Examination Board.

This year 181 students from Brihanmumbai Municipal Corporation appeared for the N.M.M.S. National Economically Backward Category Students Scholarship Scheme Examination 2023-24 conducted by the Maharashtra State Examination Council.

Fixed Deposit Scheme for Girls (Girl Attendance Allowance) :

In the year 2023 – 24 total 11,920 girl students from Std. 8th are the beneficiaries of this said scheme.

Educational Excursion:

Trips were organized to 'Veer mata Jijabai Bhosle botanical Park and Zoo, Byculla' for Class 4 students and 'Kidzania Theme Park, Ghatkopar' for Class 7th students.

Pre-Primary (BALWADI) :

A total of 900 Kindergarten classes in eight languages are currently being run by the Brihanmumbai Municipal Corporation through an external organization (services are taken for the appointment and management of Kindergarten teachers and helpers).

District Training Centre :

February 27, On the occasion of the birth anniversary of Marathi Writer, Poet and Dramatist and Gyanpeeth award winner V. V. SHIRWADKAR alias 'Kusumagraj', a Marathi Language Honor Book was prepared by the District Training Centre.

Housekeeping :

Recruitment of external contractors was started since 2009 by inviting Tenders through public news paper for sanitation, security and cleanliness of surrounding for all school buildings under Brihanmumbai Municipal Corporation. Accordingly for the period from 2016 to 2019, Private Contractor has been appointed for the sanitation, safety and cleanliness of the schools and surrounding area of the schools as well as to prevent anti-social behavior from outsiders. Therefore, the cleanliness of the schools of Brihanmumbai Municipal Corporation and the Health of the student in the schools have been helped. Also since the surrounding are being cleaned, it is helping to maintain the balance of the environment.







Health Services





Dialysis ward, L.T.M.G. Hospital, Sion



Fogging activity of P.C.O.



Health Services

Main functions of Public Health services of the Brihanmumbai Municipal Corporation are as follows:-

1) ACWORTH MUNICIPAL HOSPITAL FOR LEPROSY AT WADALA -

INTRODUCTION :

Mr. Acworth founded Acworth Municipal Hospital for Leprosy on 07th November 1890 then, Municipal Commissioner of Mumbai.

Since 1st April 1991, the hospital has been taken over by Brihanmumbai Mahanagarपालिका as one of the specialized hospitals under the administrative control of the Executive Health Officer.

SERVICES PROVIDED BY ACWORTH MUNICIPAL HOSPITAL :-

- 1. Inpatient Services** : - Recent 40% indoor patients are admitted and all indoor patients get facility of food, cloths and shelter with the treatment of the leprocy and other related diseases, rehabilitation and welfare services are also provided to patients.
- 2. Outpatient Services** :- Out-patient services include Physiotherapy , Social service, Laboratory, Dressing and Pharmacy. Daily average O.P.D. attendance is about 45 patients per day.
- 3. Field Work** :- Under National Leprosy Elimination Programme, Hospital carries out I.E.C. Activities in its project area i.e. Municipal wards ('E', 'F/South' and 'F/North').
- 4. Collaborative Programme of Acworth Hospital with N.G.O.'s:**
 - ❖ Acworth Leprosy Museum : Provides scientific information about all aspects of leprosy.
 - ❖ Footwear Unit : M.C.R. footwear, Splints are provided to the leprosy patients at concessional rates.

Patient wise Statistics of Mumbai (2023-24)

Total Leprosy Patients	:	602
M. B. Patients among total patients	:	416
P. B. Patients among the total patients	:	186
P. R. for Mumbai	:	0.4 (per 10000 population)

Health Education -

Acworth Municipal Hospital provide health education at E, F/S and F/N Wards. Which helps to eradicate misconceptions about leprosy. On the occasion of death anniversary of Mahatma Gandhiji from 31st January to 13th February, Leprosy fortnight is arranged by this hospital every year. During this fortnight all active organizations effectively carry out public awareness and health education movement in their work premises.



Eye Hospital Services :

Municipal Eye Hospital situated at Maulana Shaukat Ali Road, Do Taki , Mumbai - 400008, is the only specialty hospital run by the Public Health Department of Brihanmumbai Municipal Corporation since 1940. The said Hospital has 80 beds , Under the guidance of Chief Medical Officer . patient are treated for various Ophthalmic diseases and operation are perform . National Blindness control program for Mumbai District is also implemented under the guidance of Central Government and State Government by this Hospital.

During year 2020 Murli Deora Eye Hospital wards were converted in Covid Care Centre for Covid -19 patients. In the year 2023, total 57,586 outpatients were examined and a total of 1,783 Eye surgeries were performed.

Kasturba Hospital for infectious Diseases at Sane Guruji Marg -

Kasturba Hospital is located in the middle of City. It is largest infectious Diseases hospital in the South East Asia, which admits patients of all the infectious diseases.

1. At this hospital, cases of infectious diseases i.e. Chicken-pox, Measles, Mumps, A.F.P., Hepatitis (A, B, C, E & other Hepatitis), D/V, Typhoid Fever, Cholera, Dysentery, H3N2, Diphtheria, Whooping Cough, Fever, Meningitis, Malaria, Lepto & Dengue, Rabies, SARS, Ebola Virus, Swine Flu & Covid-19 & newly emerging infectious diseases (expect Tetanus, Tuberculosis Venereal Diseases & Leprosy) are isolated & treated. Cases of Plague & Cholera are compulsory transferred to this hospital.
2. Separate ward was established for management for H3N2, Covid-19 & Measles cases.
3. Kasturba Hospital played & important role in controlling the Measles Outbreak of September 2022.
4. Kasturba Hospital has well equipped 25 bedded Burns ward & 20 bedded Intensive Care Unit with Ventilators & other equipments.
5. Three Oxygen Generation plants of 1068, 360 & 190 ltrs. per minute are available at Kasturba Hospital for management of critically ill infection diseases patients.
6. Kasturba Hospital has 10 bedded Negative pressures isolated ward for admitting patients with different infectious diseases.
7. Kasturba Hospital has Hyperbaric Oxygen Therapy Department for management of head injury & Gangrene patients.
8. Kasturba Hospital has T. B. Lab for diagnosis of M .D. R. -T. B. patients.
9. It is proposed to start Bio Sefety Level 3 V.D.R.L. Lab in Kasturba Hospital.

Central Analytical Laboratory-

The Central Analytical Laboratory is established in 1987. The sample of drugs and formulations received from Municipal Corporation's major hospitals, maternity homes and dispensaries are analyzed by this laboratory as per pharmacopoeial procedures.



Non-Communicable Diseases Cell -

- ❖ **N.C.D. Programme Objectives** : Various strategies are being adopted at community level and existing health infrastructure to control and combat N.C.D.'s such as Diabetes, Hypertension, Common Cancers- Oral, Breast, Cervical and Mental Illness.
- ❖ **B.M.C. Budget** : N.C.D. Cell Budget for 2024-25 is 12 crore.
- ❖ **W.H.O. Steps Survey Study** was undertaken for Diabetes, Hypertension, Obesity and N.C.D. associated risk factors, it is found that approx. 34 % HTN and approx. 19 % DM prevalence exists among 18 to 69 years of Mumbai Residents.
- ❖ **Mobile Phone Survey** was conducted in partnership with C.D.C. foundation to survey Diabetes and Hypertension patients along with N.C.D. associated risk factors.
- ❖ **Opportunistic Screening** : Public Health Department B.M.C. Centres Opportunistic Screening and Treatment in 209 Municipal Dispensary, 206 H.B.T. Aapla Dawakhana, 16 Peripheral Hospitals and 04 Medical Colleges.
- ❖ **N.C.D. Corners** have been established to screen individuals for D.M. and H.T.N. above 30 years in 05 Medical College, 14 Peripheral Hospitals, 1 Trauma Hospital, 04 Specials Hospitals total 24 Hospitals since August 2022. upto March 2024 total 3,28,308 individuals are screened.
- ❖ **Population Based Screening Survey** has been started in 24 wards at 210 HP in slum and slum like area since Jan 2023. Till now 18,01,745 individuals are screened.
- ❖ **Diet Counseling** for uncontrolled D.M. and H.T.N. Patients are provided in all 24 ward Municipal Dispensaries and H.B.T. Dawakhana through Contractual Dietitians appointed. Total Patient Counselling for Life style and Diet Modifications from May 2023 to April 2023 is 67,676.
- ❖ **Eye Screening in Diabetes and Hypertension Patients** In 'F-South', 'G-North' and 'M-West' 03 wards K.S.F. is providing detection, referral services and follow-up of patients having eye complications
- ❖ **Oral Cancer Screening** : Started from April 2023 in all Municipal Dispensaries and H. B. T. Dawakhana.
- ❖ **Mental Health Program** : Counseling and diagnostic facilities are being provided in all Municipal Dispensaries under the National Mental health program. Helpline numbers such as Hitguj –24131212 and National Tele manas helpline – 14416 is provided for Brihanmumbai Municipal Corporation.
- ❖ **Yoga Centres** : For Life style Management the concept of Shiv Yoga kendra in 24 wards have been introduced and total 117 kendra are functioning and about 31,000 beneficiaries have been benefitted
- ❖ **Public awareness** : Through different means such as Posters, Panels, Hoardings, Radio Jingles and Video Films are conducted to make lifestyle and dietary changes.



National T. B. Elimination Program, Mumbai -

Mumbai District T. B. Control Society provides various diagnostic & treatment services through 24 District T. B. Officers posted in 24 districts (Wards) of Mumbai & around 58 Treatment Organisers from Health Dept. of Brihanmumbai Municipal Corporation & 458 contractual staff working in the National T. B. Elimination Program (N.T.E.P.) under the Mumbai District T. B. Control Society.

➤ Measures taken by B.M.C. for providing T. B. services :-

Diagnosis -

- ❖ Upfront C.B.N.A.A.T. Testing - 42 C.B.N.A.A.T. machines at 29 C.B.N.A.A.T. sites and 34 Truant are offering upfront diagnostic facility for T.B.
- ❖ New Culture & D.S.T. lab at Kasturba Hospital - First of its kind a Culture & D.S.T. lab is being setup in a container at Kasturba Hospital.
- ❖ Up gradation of Culture & D.S.T. lab at G.T.B. Hospital - The up gradation of existing Culture & D.S.T. lab of G.T.B. Hospital is completed & lab is fully functional.
- ❖ Existing Culture & D.S.T. lab at J. J. Hospital – In J. J. Hospital culture & D.S.T. lab processing daily 60 to 80 samples of L.P.A. & C.D.S.T processing.
- ❖ Existing Culture & D.S.T. lab at K.E.M. Hospital – In K.E.M. Hospital culture & D.S.T. lab processing daily 20 to 40 samples of C.D.S.T. processing.
- ❖ Upcoming Culture & D.S.T. lab at Cooper Hospital – Upcoming Culture & D.S.T. lab for Western Suburbs at Cooper Hospital is planned & tender is published for civil work.

Treatment-

- ❖ T. B. treatment is offered through 190 Dispensaries and 211 Health Posts and 237 H.B.T. Clinics.
- ❖ There are 31 D.R.T.B. Centres all over Mumbai out of which 07 are private D.R.T.B. Centres through these D.R.T.B. Centres diagnostic & treatment facilities for entire duration of treatment (approx.18 to 20 months) are offered to T. B. patients free of cost.
- ❖ T. B. Treatment facility for pediatric patients started at Wadia and J. J. Hospital free of cost.

Special initiative under taken for T. B. Control -

1. Adult B.C.G. Vaccination program of I.C.M.R. & N.T.E.P. for Vulnerable Population of Mumbai:-

- ❖ This is a National Programmatic study, implemented in 24 districts (wards) of Mumbai.
- ❖ 12 District are interventional and 12 districts are control districts.
- ❖ In interventional districts 18 years and above beneficiaries from 06 high risk groups are included.



❖ 06 High Risk Groups-

1. History of T. B. in last 05 years.
2. Household Contacts of T. B. patients in last 03 years.
3. Self-Reported Diabetics.
4. Self-Reported Smokers.
5. Malnourished
6. Age more than 60 years.

❖ It is voluntary vaccination, hence written consent is taken from eligible beneficiaries.

❖ It is implemented in phase wise manner. .

2 Artificial Intelligence (AI) based X-ray Service.

3. System to track the test Samples.

4. Programmatic Management of T. B. preventive Therapy (P.M.T.P.T.).

❖ Central T. B. Division has launched Programmatic Management of T. B. preventive Therapy (P.M.T.P.T.)

5. Pradhan Mantri T. B. Mukh Abhiyan (P. M. T. B. M. B. A.) – Nutrition Food Basket :-

❖ Every months for six months to one year Nutritious Food basket is given to all the T.B. patients by Ni-kshay Mitras.

Following awareness activities conducted in Mumbai for World T. B. Day 2024 :-

- ❖ T.B. awareness message displayed on 120 hoardings and 120 bus shelters site in Whole Mumbai.
- ❖ T.B. awareness campaign at Platforms & Local Trains by playing T. B. awareness jingle.
- ❖ Lightening up of heritage structure on 23rd March evening at C.S.M.T. Railway station & B. M. C. Headquarter.

Symptoms of T. B. includes:

- ❖ Cough for more than two weeks
- ❖ Fever for two weeks
- ❖ Weight loss
- ❖ Night sweats
- ❖ Loss of appetite
- ❖ Loss of weight
- ❖ Swelling in lymphnodes.

If any of such symptoms are present citizens requested not to ignore them & visit to near by BMC Dispensary, Health Post, Hinduhradaysamrat Balasaheb Thackeray Apala Dawakhana. All the services and treatment available free of cost to T. B. patients.



T.B. STATUS OF LAST 03 YEARS

Year	Total Cases (Notified)	Within Mumbai	Out of Mumbai
2021	58,214	49,568	8,646
2022	65,747	55,284	10,463
2023	63,575	50,206	13,369

Epidemiology Cell

The Epidemiology Cell under the Public Health Department was established on April 25, 2007. It conducts a Surveillance Program for monitoring and surveillance of Epidemic Prone diseases and establishes control measures for infectious disease outbreaks such as Dengue, Leptospirosis, Malaria, Gastroenteritis, Hepatitis, H1N1 (Swine Flu) and COVID-19 etc. its main objective is to Collects, compiles, and analyses data from health facilities, on various epidemic-prone diseases for surveillance, monitors disease trends on a regular basis in order to detect early warning signs and initiate an early and timely response to disease control, informs the local health officers to ensure a quick response to prevent or control disease spread in the community, Coordinates with Health and other Departments for prevention and control of communicable diseases and outbreaks.

Office Address : Epidemiology Cell, Kasturba Hospital, Ward No. 38, 1st Floor, Sane Guruji Marg, Saatrasta, Mumbai - 400012.

Key Functions of the Epidemiology Cell :

- ❖ Every year during the monsoon, a control room is set up at the Epidemiology Cell, and daily information on infectious patients is collected from both government and private hospitals in Mumbai. The collected information is analyzed and necessary measures are taken to control infectious diseases.
- ❖ Throughout the year, all this information is compiled and analyzed and necessary measures are taken.
- ❖ According to the guidelines of the National Vector Borne Disease Control Programme, information on diseases like Malaria and Dengue is communicated to the Public Health Department's Vector Control Department for fundamental mosquito control measures.
- ❖ Coordination with various health and other departments to control infectious diseases and prevent outbreaks.
- ❖ Regular water quality testing : Drinking water samples are tested in the municipal laboratory. If an inappropriate sample is found, measures are taken in coordination with the Water department. The quality of water samples from hawkers, ice factories, etc., is also checked.
- ❖ To implement preventive and therapeutic measures for Leptospirosis, a joint action plan involving the Municipal Corporation's Solid Waste Management Department, Insecticide Department, Water Engineering Department, and Veterinary Department is prepared. Regular inspections of animal stables and other areas are carried out as per this plan.



- ❖ Immediately after heavy rainfall, house-to-house surveys are conducted, and medicines are distributed to high-risk individuals to prevent Leptospirosis.
- ❖ If an outbreak of an infectious disease is detected, a rapid response team affiliated with the E.P.I.D. Cell, in coordination with the staff of the health centre, participates in controlling the outbreak at the community level.

Assistant Health Officer (Surveillance)

Malaria Elimination :

Surveillance Department works for control and elimination of Malaria in Mumbai.

Key Activities of Surveillance Department -

1. Early detection of Malaria cases and timely reporting within 24 hrs.
2. Complete & radical treatment for all positive case.
3. Capacity building of all staff as per N.V.B.D.C.P. guidelines.
4. Public Awareness Jointly action by M.O.H. / P.C.O.

Line List of malaria cases is informed to P.C.O. for mosquito control activity.

Breeding sites are reported by P.C.O. to M.O.H. for detecting suspected cases from there.

Before Monsoon, at construction sites distribution of mosquito nets and instructions are given for medical examination of all workers to Developers as well as Health cards distribution and I.R.S. is done by P.C.O.

5. Special drive for construction workers and vulnerable population at ward level.

Strategies for Malaria Elimination :

- ❖ Micro-mapping and Micro Planning to identify fever cases and focus on positive cases.
- ❖ Foci-based Surveillance
- ❖ 3 'T's approach Testing – Treating – Tracking
- ❖ Effective Vector Control
- ❖ Inter and Intra-Sectoral Response
- ❖ Community awareness and B.C.C.

Expanded Immunization Programme

As per Government of India guidelines Expanded Immunization Programme is conducted to vaccinate all children under 05 years of age who are vaccinated against Vaccine Preventable Diseases namely Polio, Diphtheria, Pertussis, Tetanus, Tuberculosis, Measles, Rubella, Hepatitis-B, Hemophilus Influenza Type-B & Rota Virus diarrhea, Pneumococcal Pneumonia & Pregnant women are also vaccinated against Tetanus & Diphtheria. Vaccination is done free of cost at all Municipal Hospitals, Government Hospitals, Dispensaries, Maternity Homes, Health Posts.



Vector Control

Mumbai is the pioneer city where Vector Control for Vector Borne Diseases is dealt with professionally since 1923. Main Function of Insecticide Branch of Public Health Department is control of Malaria Vector Mosquitoes, Dengue and Chikungunya Vector mosquitoes, Filariasis Vector (Nuisance) Mosquitoes, Fly Control, Rodent Control and Cockroaches Control.

To control the urban Malaria Vector (*An. Stephensi*) under the anti-malaria campaign, source reduction i.e. mosquito proofing of wells and tanks etc. Engineering methods, biological control method, Legislative (legal) action and use of insecticides and fumigation is done.

Dengue and Chikungunya Vector transmitted by *Aedes aegypti* mosquito which breeds in domestic and peri-domestic water container, hence they are either removed/destroyed or they are emptied and dried.

Rodent control and fly control programmes are also carried out in all 24 wards of Brihanmumbai Municipal Corporation.

If demanded, private properties are also given pest control treatment for antilarval and fogging work on payment of charges by the owner to Brihanmumbai Municipal Corporation.

Registration of Births and Deaths

The Registration of Births & Deaths in the Jurisdiction of the Brihanmumbai Municipal Corporation is done as per the provisions laid down under the Registration of Births & Deaths Act, 1969 and the rules there under by the Government of Maharashtra. According to the Act, the system of registration of births and deaths has been uniformly implemented throughout the country. Reporting and registration of births and still births and deaths has been made compulsory. The Act lays down that information about live births and still births and deaths should be given to the Registration (Executive Health Officer) in the respective forms prescribed for the purpose within 21 days from the date of occurrence of the event.

Affidavit of two reliable persons along with documentary evidence are required to correct or cancel wrong birth and death records. The name of a born child is entered free of charge within 12 months from the date of registration of the birth of the child. Otherwise it can be entered on payment of late insertion fees & compounding charges upto 15 years of age. At present, citizens can obtain Birth and Death certificates as per procedure by applying in prescribed format and paying necessary charges at the Civic Facility Centres of B.M.C. wards.

Registration of Nursing Homes under Bombay Nursing Home Registration Act-1949

Private Nursing Homes, including Maternity Homes etc. are required to be registered with the Corporation as per the 'Bombay Nursing Home Registration Act 1949' and the Rules framed there under. Change of user is necessary from competent authority. For registration/Renewal of Nursing Home, process is made online and now Fire compliance certificate is mandatory for Nursing Home.



Licensing of Nurses Establishment :

Nurses establishments require license under the provisions of the 'Bombay Nurses, Midwives and Health Visitors Act, 1954' and the Rule and Bye Laws framed thereunder. The license is issued on application and payment of prescribed fees to the respective Ward M.O.H.

Marriage Registration

The work Marriage Registration is carried out by the Public Health Department in the 'A' to 'T' Ward Offices of Brihanmumbai Municipal Corporation, since 05th March 2010. From March 2016 for Marriage Registration citizen has to go Civic Facility Centre (C.F.C.) of the respective ward office personally or he can avail facility of online procedure by visiting website i.e. www.portal.mcgm.gov.in.

CEMETERIES

Regulation of the places for the disposal of the dead :

Under section 61 (e) of the Mumbai Municipal Corporation Act, 1888 as amended update it is the obligatory duty of the B.M.C. to dispose of the bodies in Mumbai and to regulate the space for them.

	Hindu	Muslim	Christian	Others	Total
B.M.C	48	17	10	00	75
Private	22	57	42	05	126
Total	70	74	52	05	201

- ❖ Out of 48 Hindu Cemeteries, 06 are composite Cemeteries. Funeral services are available for hindus, Muslims and Christians in this Cemetery. In Mumbai free fire woods are provided at both B.M.C. and Private cemeteries from 01.08.2008. Also, in Municipal and Private Muslim Cemeteries wood plates are supplied free of cost.
- ❖ In order to avoid pollution and wastage of firewood, as a self-sufficient alternative to fuel, traditional firewood pyres and electric furnaces are being converted into P.N.G. gas cemeteries at the Hindu Cemetery.
- ❖ At present 07 crematoriums have electric Crematorium and 13 Crematoria have gas Crematorium.

Briquettes:

09 Cemeteries have been identified on a sponsored basis to use Briquettes Biomass-Agro/Tree Waste Wood as an alternative fuel instead of wood for cremation. So that the environment is not degraded. Air Pollution can also be avoided.

Permission for removal of dead bodies outside city limits:

Permission for removal of dead bodies outside Greater Mumbai limits is issued at the office of the Executive Health Officer between 10.30 a.m. to 5.30 p.m. on week days and first and third Saturday and also in the office of Medical Officers of Health between 8.30 a.m. to 11.30 a.m. and 3.00 p.m. to 5.30 p.m. on week days (except Saturday afternoon). In case of removal of dead bodies by motor vehicles to places which can be reached within 24 hours after death, permission is issued at the Municipal Hospitals in



Greater Mumbai, if the death occurred therein. Such permission is also issued during nonworking hours and on Sundays and holidays by the Medical Officers of Health and in the peripheral hospital under the Health Department. These hospitals are authorised to grant permission for transit of dead bodies out of Mumbai by motor vehicle to places which can be reached within 24 hours.

In addition to the Executive Health Officer, Deputy Executive Health Officer, Assistant Health Officers and Medical officer Health of Wards can give permission for re-opening of family graves for fresh burials is granted by the Assistant Medical Officers on emergency duty in Kasturba, Bandra Bhabha, Kurla Bhabha and Bhagvati Hospital.

RASHTRIY BAL SWASTHY KARYAKRAM (R.B.S.K.)

Rashtriya Bal Swasthya Karyakram is being implemented in Brihanmumbai Municipal Corporation since 2017. At present, a total of 55 teams are working in Mumbai district under the Rashtriya Bal Swasthya Karyakram. A team consists of one male medical officer, one female medical officer, pharmacist and assistant nurse.

Under this program, medical examination of children aged 00 to 06 in Anganwadi of Mumbai is done twice a year, medical examination of children aged 06 to 18 in kindergartens and aided schools is done once a year through medical teams.

Health under the Rashtriya Bal Swasthya Karyakram, increasing screening rates among newborns. Timely diagnosis of 4 D's such as: Birth Defects, Childhood Diseases, Vitamin D Deficiencies and Developmental Delays etc. They are then referred for appropriate treatment.

Referral services and medical and surgical treatment are provided to the beneficiaries for further treatment of health problems detected during health screening of children in Anganwadis, Kindergartens and aided schools. Also R.B.S.K. Parents are counselled by the teams and the beneficiaries are referred till full recovery.

Children suffering from chronic and major illnesses are referred to the hospitals and clinics of Brihanmumbai Municipal Corporation for further examination and medication as required.

Major 104 surgeries under the National Child Health Program are performed in Mumbai Municipal Medical Hospitals and the State Government has entered into an MOU with some private hospitals in Mumbai to perform these surgeries.

Drug De-Addiction Centre

Brihanmumbai Municipal Corporation's 20 bedded Drug De-addiction Centre, situated at Bhardawadi Maternity Home Building, Bhardawadi, Andheri (West), Mumbai-400058 has been functioning since 1992 under the Public Health Department of Brihanmumbai Municipal Corporation. Detoxification treatment for various types of addictions like Alcohol, Opium, Charas, Ganja, Sleeping Pills, Inhalants, M.D., Amphetamine, Tobacco etc. is done at this centre.

The following services are available in this centre-

- 1) **Inpatient Department** : Only male patients above 18 years of age are admitted in this centre for detoxification treatment for various types of addictions.



- 2) **Out-Patient Department** : Every day from 9.00 am to 12.00 pm (excluding Sundays and Public Holidays) patients of various types of addictions are treated regularly in the Out Patient Department. Free OPIOID SUBSTITUTION THERAPY is provided to Brown Sugar addicts.
- 3) **Counselling** : Counselling of indoor & O.P.D. patients as well as their families is done on regular basis.
- 4) **Blood Test**: Before admission to the inpatient department, all patients are subjected to various types of blood tests free of cost under the APLA DAWAKHANA scheme of B.M.C..
- 5) **Spiritual Meetings** : Alcoholics Anonymous, Narcotics Anonymous meetings are conducted for in-door patients. Also the families of patients are guided to participate in Family Anonymous and AI-Anon meetings.

Family Welfare Programme

Implementataion of Preconception & Prenatal Diagnostic Technique Act :-

P.C.P.N.D.T. Act is implemented by Brihanmumbai Municipal Corporation since year 2001 as per instruction of Government of Maharashtra, Government of India to stop female foeticide and improve female sex ratio. For implementation of P.C.P.N.D.T. Act, M.O.H. appointed as appropriate authority in each ward. For Mumbai District P.C.P.N.D.T. Advisory committee is appointed and meetings are conducted every month. Under this act, registration of Genetic Counseling Centre/Genetic Laboratory/Genetic Clinic/Ultra Sonography Clinic Imaging center and Infertility clinic is necessary.

Till the end of March 2024, the report of registration of centers is as follows :-

Total P.C.P.N.D.T. Centres - **1,744**, Total M.T.P. Centers - **765** , Sex ratio at Birth in year 2023 - **938/1000**.

Janani Surksha Yojana (J.S.Y.) -

Janani Surksha Yojana (J.S.Y.) is a safe motherhood intervention under R.C.H.-II programme which is being implemented with an objective of reducing maternal and neonatal morbidity and mortality by promoting 100 % institutional delivery among the pregnant woman. Under this scheme monetary assistance of Rs. 600/- is given through P.F.M.S. (Public Finance Management System) post delivery. The Benefit of this scheme is given to pregnant woman whose age is 19 and above and belongs to S.C., S.T. and B.P.L. Category.

Total number of patients taken benefit of Janani Surksha Yojana from April – 2023 to March 2024 is – 6,459.

Maternal Deaths -

From the year 2010 as per Central Government's order District Level Quality Assurance Committee is formed in order to bring down maternal and neonatal morbidity and mortality, all the maternal deaths occurring in all hospitals should be reported within 24 hours. All Hospitals having more than 1,000 births per month should have facility based maternal death review committee and a nodal officer in their hospital. Monthly review should be conducted and minutes of the meeting to be submitted to Family Welfare Department under Special Officer, Family Welfare.



District Level QAC will investigate all maternal deaths on a monthly basis.

Total maternal deaths reported in Mumbai from April 2023 to March 2024 - 167

Maternal Deaths in Mumbai - 87 and

Maternal Mortality Rate - 66.

Family Welfare Programme :

The Family Welfare Programme is a national programme sponsored by Central Govt. implemented by Brihanmumbai Mahanagarपालिका through the office of Special Officer (F.W.). Under this programme following services are provided free of cost.

- a. Sterilization Operation (T.L. & N.S.V.)
- b. Intrauterine Contraceptive Devices (I.U.C.D. & P.P.I.U.C.D.)
- c. Oral Pills
- d. Conventional Contraceptives (Nirodh), Antara (DMPA)- Injectable Contraceptive (from July 2017)

No Scalpel Vasectomy (N.S.V.):

Family Welfare center of F/South, Parel is shifted to Naigaon Municipal Maternity Home and N.S.V.'s are done daily from Monday to Saturday. Family welfare unit of F/South Parel is government recognized training centre for N.S.V. After N.S.V. all beneficiary gets incentives.

ART & Surrogacy Act 2021:

Surrogacy Act implementation done in Mumbai as per Government of India guidelines. All M.O.H.'s are Appropriate Authorities for this Act.

District Medical Board is formed in Jan 2023 for giving Medical indication certificate for surrogacy for Mumbai cases.

In Mumbai April 2024 -

- Surrogacy Centres - 27 (Registered)
- A.R.T. Centres - 151 (Application Received)

Municipal Analyst Municipal Laboratory 'G/North', Dadar

Municipal Analyst laboratory is a Public Health Laboratory of B.M.C. and a State Food Testing Laboratory recognized by the Food Safety and Standard Authority of India (F.S.S.A.I.) located at G/North, Dadar. The laboratory provide service of Chemical and Microbiological analysis of food and water samples using advance analytical instruments and techniques. In December 2020 the Laboratory has been accredited with International Standard I.S.O. 17025:2017 by National Accreditation Board For Testing and Calibration (N.A.B..L). Since January 2023 the laboratory has implemented computerised Software system for entering technical data and generating analysis reports. The software Food And Water Management System (F.W.Q.M.S.) can be accessed through the website <https://fwqms.mcgm.gov.in>.

Family Welfare and Mother Child Health

B.M.C implementing family welfare programs since 1964. The main objective of this program is to counsel and give education to eligible couples about importance of small family norms and help to control the population by decreasing birth rate. Various Health Program activities like Reproductive & Child Health – Janani Suraksha Yojana, Janani Shishu Suraksha Karyakram, Expanded Program of Immunization, Vitamin A &



De-worming drive, Rashtriya Kishor Swasthya Karyakram National Urban Health Mission are being implemented under Family Welfare and Mother & Child Health services are made available. These program are implemented through 03 Bureau Offices, 211 Health Posts, 04 Medical Colleges and Hospital, 05 Special Hospitals, 16 Peripheral Hospital, 29 Maternity Homes and 01 Mother & child Hospital. Pradhan Mantri Surakshit Matrutva Abhiyan, Pradhan Mantri Matru Vandana Yojana.

Health Posts and Urban Primary Health Services :

- ❖ Public Health Department of Brihanmumbai Municipal Corporation has established 212 health posts providing basic primary health care services in the nearby vicinity of the Health Post. Under National Urban Health Mission new 36 Health Posts are proposed.
- ❖ Through these Health posts, various health services are being provided including immunization (P.P.I. & I.P.P.I.), Vitamin A and De-worming drive of children between 09 months to 06 years, adolescent health services, antenatal health check ups with promotion of institutional deliveries, postnatal follow up, providing family planning services to eligible couples, motivation of eligible couples for permanent methods of sterilization who have completed their family. Also, to conduct disease surveillance, epidemic survey and necessary control measures for same. Every health post conducts baseline and follow up survey of the population allotted to respective health posts and update the health profile of that area. All National Health Programs are implemented through Health posts.

Maternity Homes :-

There are 29 Maternity Homes and 01 Mother & Child Hospital functional in the Public Health Department of Brihanmumbai Municipal Corporation. Out of these 05 are Sentinel centres and Rest are 25 primary Maternity Homes. 02 New Maternity Homes at Chandivali Maternity Home (M/East Ward) & Maharashtra Nagar Maternity Home (L Ward) have been proposed this year.

At Maternity Homes, pregnant mothers are provided with antenatal, delivery and postnatal services. Patients are also provided with family planning and contraceptive services, Neonatal and Pediatrics O.P.D. service, Gynaec O.P.D. services, Ultra Sonography etc. Government schemes like J.S.Y., J.S.S.K., P.M.S.M.A., Free diagnostic services, Free diet, medicines and drop back services are also provided in these maternity homes. 'LaQshya' Program is being implemented in 16 Maternity Homes and 'Suman' program is being implemented in 11 Maternity Homes.

Reports of Maternity Homes from April 2023 – March 2024

	Total A.N.C.	Total Deliveries	Total L.S.C.S.	Total Operation	Total U.S.G.	Total Lab. Investigation
Total	34,847	15,850	4,638	7,778	80,451	7,40,534

Food Sanitation Program (Licensing) :

Food sanitation involves the regulation and oversight of facilities where food products are manufactured, stored, and kept for sale. This is enforced through the issuance of licenses under the Mumbai Municipal Corporation (M.M.C.) Act. The conditions of these licenses mandate that trade activities must be conducted in a hygienic manner.



Destruction of Unwholesome Food :

According to Sections 415 and 416 of the M.M.C. Act, the daily destruction of unsanitary food items kept for sale by shopkeepers and hawkers is carried out by the Junior Overseer and the staff of the Encroachment Removal and Licence Department in each ward.

Control of Certain Trades, Cinemas, and Theatres :

Specific trades such as flour mills, hairdressing salons, eating houses, bakeries, lodging houses, sweet shops, laundries, and pan shops are regulated from a public health perspective by imposing specific license conditions under Section 394 of the M.M.C. Act. Drama theatres and cinema theatres are inspected and issued a No Objection Certificate (N.O.C.) from a public health standpoint, ensuring sanitary conditions are maintained when granting new licenses or renewing existing ones by the police department.

School Health Services

The School Health Department conducts an annual medical examination of all students of The Brihanmumbai Municipal Corporation schools from classes 1st to 10th. Medical examination is conducted by medical teams visiting each school successively during the academic year from June to April. The medical team consists of one medical officer, one health visitor, and one peon.

Information Education and Communication Cell

Training Cell :

The objective of Training Cell of Public Health Department is undertake regular Training programmed, both Induction and In-service, for sustainable, quality Health services. Various activities undertaken by Training Cell are as follows:

1. Induction training is given to newly recruited staff for orientation of working setup of Public Health department.
2. In-service training is given to impart current knowledge about the activities of Public Health Department and to refresh knowledge about important activities.
3. Training on new project and implementation.
4. Arranging various workshops for Medical Officers.
5. Deputation of staff for specialized training.
6. Updating the knowledge about prevention and control measures of Monsoon Related Diseases such as Leptospirosis, Dengue, Malaria, Gastroenteritis and Swine Flu.
7. The training cell is accredited by Maharashtra Medical Council to conduct Continued Medical Education for Medical staff.

Hindu Hridayasmarat Balasaheb Thackeray Apla Dawakhana:

On 17th November, 2022, the Brihanmumbai Municipal Corporation launched 'Hindu Hridayasmarat Balasaheb Thackeray Apla Dawakhana' with the aim of providing comprehensive healthcare services to all citizens on the occasion of the death anniversary of Hindu Hridayasmarat Balasaheb Thackeray.

**Salient Features :**

1. To provide comprehensive primary health care to citizens at convenient place and time.
2. Hindu Hrudaysamrat Balasaheb Thackeray has his hospital clinic in porta cabin on open plot ready Structure and available clinics have been started.
3. Polyclinic and diagnostic centre in existing clinics by upgrading infrastructure Availability of expert advisory services by building.
4. To reduce expenditure on healthcare by providing free services to citizens.
5. H.B.T. in your clinic using 03 tab software for paperless environmental supplemental operations.
6. Fixed monthly and incentive based remuneration to contractual staff at H.B.T. Apala Dawakhana.

Financial provision :

Rs.123 Cr. sanctioned for F.Y. 2023-24and Rs. 05 Cr. sanctioned for F.Y. 2024-25.

Number of clinics proposed and functioning :

As of 22nd May 2024, total 239 Hindu Hridayasamrat Balasaheb Thackeray Apla Davakhana are functioning, including 33 Polyclinic and Diagnostic Centers, 80 Porta Cabins, 108 Available Clinics and 18 Ready Clinics.

Time:

Porta Cabin and Ready Structure - 7.00 am to 2.00 pm, 3.00 pm to 10.00 pm.

Current Clinics - 9.00 am to 4.00 pm, 3.00 pm to 10.00 pm.

Services provided :

1. Free medical examination, treatment.
2. Free blood tests.
3. Diagnostic tests (X-ray, Sonography, C.T. scan, E.C.G., Mammography M.R.I. etc.) through private diagnostic center at municipal rates.
4. Free consultation through various specialists like Dentist, Gynecologist, Paediatrician, Medical Doctor, Dermatologist, Ophthalmologist and , Physiotherapist at Poly Clinic and Diagnostic Centre.





Medical Relief and Education





Nair Dental College training programme



Hinduhridaysamrat Balasaheb Thackeray Clinic, Colaba



Medical Relief and Education

1. K. E. M. HOSPITAL & SETH G. S. MEDICAL COLLEGE

Under Brihanmumbai Municipal Corporation is committed to provide preventive, promotive, Rehabilitative and curative health care services to citizens of Mumbai. Corporation provides comprehensive health services through its Public Health Department and tertiary health care through Peripheral Hospitals and 4 major teaching hospitals and one dental college. All health care departments work hand-in-hand to provide best and almost free health care to economically weaker sections of society, not only from Mumbai but also from other parts of Maharashtra India and across border. With the tremendous increase in population of the Metropolis, civic needs and expectation of citizens have grown. Civic problems like maintenance of sanitation have grown with it making it a herculean task to protect the health of Citizens from various diseases and ailments which at times assume an epidemic from in this highly congested city. Medical Relief, therefore, becomes one of the essential functions of the Civic Body.

The Brihanmumbai Mahanagarपालिका has taken pioneering steps in starting and maintaining the 4 teaching hospitals equipped with State-of-Art equipments, services for the vulnerable group of society. With best teachers available in 04 medical and one dental college, Corporation provides best quality training facilities to undergraduate and post graduate students in every new branch of medical field, and hence perhaps stands out extraordinary amongst the local bodies in the world.

K. E. M. HOSPITAL & SETH G. S. MEDICAL COLLEGE :

The Twin institutes of K.E.M. hospital and Seth G. S. Medical College were established in 1926 with a nationalistic spirit, to be manned entirely by Indians with an urge to serve, educate and innovate, true to its motto, "NON SIBISED OMNIBUS" meaning "not for self but for all". The institutions have given quality health Care services to millions. These twin institutions have created a unique niche for themselves in the field of medical education and health care.

Department wise specific activities are as follows :-

1) Department of Anatomy :-

❖ Patient and Community Care :

- The professors of the department campaigned for public awareness on importance of body donation.

❖ Education :

- Organised panel discussion on AETCOM Module 1.1 'What does it mean to be a doctor ?'
- Organised Early Clinical Exposure (Basic science co - relation) presentations by first M.B.B.S. students.
- Organised programme on women empowerment by First M.B.B.S. students on the occasion of Savitribai Phule birth anniversary.



❖ **Research :**

- The faculty members have actively contributed to research, workshops and conferences in Anatomy and Medical education topics.
- It has organized various collaborative workshops with clinical departments.

2) Department of Transfusion Medicine - Blood Bank :-

- The department is doing advanced procedures like Platelet Pheresis, Stem Cell Apheresis, Therapeutic Plasmapheresis is carried out in the department.
- The department also participates in Hemovigilance programme conducted by NIB.
- This Department is conducting Post graduate course (M.D.) in Transfusion Medicine.

3) Department of Cardiology :-

- The K.E.M. Hospital Cardiology Department continues to upgrade its facilities in both diagnostic and treatment services. Thousands of patients underwent echocardiography, Stress test and Coronary Angiography / permanent pacemaker implantation, Coronary angioplasty with stenting including state of art imaging facilities like Intravascular Ultrasound and Optical coherence tomography.
- Procedures like bifurcation PCI and rotational atherectomy were performed by adroit operators.
- We continued the rich tradition of performing electrophysiological studies including 3D-mapping & Complex Arrhythmia Ablation.
- We made a quantum leap in structural procedures too by performing usual balloon mitral valvotomies, septal defect closures, coarctation stenting and exotic procedures like transcatheter aortic and pulmonary valve replacements. This year too, we have trained six DM cardiology fellows and four bachelors of Paramedical Technology students. Novel procedure such as Trans Catheter Mitral Valve edge to edge repair (TEER) and renal Denervation for resistant Hypertension were performed a first for any public hospital in the state. The primary Angioplasty program is flourishing in full swing.

4) Department of Cardio Vascular and Thoracic Surgery :-

- This department successfully completed the Foldex trial (Aortic Valve Replacement with Foldex valve) of our institute.
- This department conducted Aortic Symposium in March 2023 and Thoracic Symposium in October 2023 for student training and education.
- This department has published multiple Articles in International and National Journals.
- This department has received permission for starting the Heart Transplant Programme.



5) Department of Biochemistry :- CCBL, E – lab, CVTC – lab (315) :-

- ❖ In K.E.M. Hospital different types of biochemical tests are conducted in the above mentioned labs.
- **CCBL** : Daily approx.13,854 tests are done in this lab. These are mainly routine tests.
- **E-lab** : This laboratory provides service for 24 hrs daily. Every day approx. 3,785 tests are done. These are mainly emergency tests.
- **CVTC Lab (315)** : Tests related to heart disease are done here. It includes test for lipid profile, s. amylase, and fluid analysis. Daily 290 tests are done.

6) Pulmonary Medicine Department And Environmental Pollution :-

- Department of Pulmonary Medicine and Environmental Pollution Research Center provides diagnostic and therapeutic services for patients with respiratory disorders.
- Pulmonary Function Test, Polysomnography, Arterial Blood Gas (A.B.G.) Analysis, Bronchoscopy & Diagnostic Thoracoscopy services are provided for evaluation.
- The Environmental Pollution Research Center conducts a survey of people in various sections of the city of Mumbai regarding respiratory complaints due to air pollution.
- Asthma education is provided to patients on regular basis.
- In year 2024 Endobronchial Ultrasound (E.B.U.S.) has been started to diagnostic facility for mediastinal lymphnode sampling.

7) Department of Dermatology and Venereology :-

- Multiplatform laser for hair reduction, treatment tattoos.
- Excimer laser for treatment of localised patches of VITILIGO and Psoriasis etc.
- Patient education videos have been started in the Skin O.P.D.

8) Department of Dentistry :-

- Our Department of Dentistry is progressing in providing predictable treatment to patients with top notch equipments acquired through donations.
- We can now perform surgical and root canal procedures in patient under G.A. with digital x-ray backup.
- Also we continue serving the medically compromised patients, haemophilic patients and school clinic children besides our regular patients with great zeal and zest.

9) Department of E.N.T. :-

- The ENT department is known in India and abroad for outstanding Micro Ear surgery and Endoscopic Sinus Surgery, Skull Base surgery, voice disorder surgery and airway obstruction cosmetic surgery Rhinoplasty and Head & Neck cancer surgery with major reconstruction .



- ENT Department is also a center of Excellence for Cochlear Implant, B.A.H.A. and Sialendoscopy.

10) Department of Endocrinology :-

- The Department of Endocrinology has organized 05 conferences from January 2023 to December 2023.
- The Department of Endocrinology has published 17 publications in the year 2023.

11) Emergency Medical Services :-

- New 15 beds 'Medical Intensive Care Unit - 2' was started in the emergency medical service department for the treatment of critical patients.

12) Department of Forensic Medicine & Toxicology :-

- Inauguration of Special Cold Storage Facilities for Facilitating Cadaver Retrieval Training Workshops.
- Inauguration of Cadaver Laboratory for Cadaver Retrieval workshop in collaboration with ROTTO - SOTTO Mumbai.
- Provide cadaver to basic spine cadaveric workshop of Orthopedics department.
- Total Nos of 1,249 Post-mortem examination done and total 394 ante-mortem examination done.
- Department has been centre of reference for sensitive, complicated, medicolegal and sexual assault cases.

13) General Medicine Department :-

- The department caters to patients with different medical conditions in wards, O.P.D. and E.M.S. (Emergency Services). Medical O.P.D. is conducted 06 days a week and Emergency Services are run 24 x 7 for 365 days year. In addition specialty O.P.D. running on weekly basis include Rheumatology, H.I.V., Hypertension, Geriatric, Infectious Disease and Palliative Care O.P.D.
- Renovated 32 bedded M.I.C.U. caters to critical medical patients. It includes dedicated 6 beds for stroke I.C.U. and 02 beds for Hemodialysis facility.

14) Department of Surgical Gastroenterology :-

- Department of Surgical Gastroenterology at K.E.M. Hospital performs advanced & complex procedures for both malignant & benign G.I. pathologies, we are also the only department in public hospital in state of Maharashtra performing Liver Transplant.
- This department perform all types of cancer (Malignancy) and Complex benign disease of Oesophagus, Stomach, pancreas, small and large intestine on regular basis.
- Our success in field attracts multitude of patient not only from Mumbai, all over Maharashtra but also from all over the country and abroad.
- This department is proud to start the first and only M.Ch. Surgical Gastroenterology 03 years course in state of Maharashtra.



15) Department of Gastroenterology :-

- Starting Endoscopic Submucosal dissection (E.S.D.) services.
- Starting Endoscopic ultrasound guided liver biopsy (E.U.S.-L.B.) services.
- Starting Endoscopic ultrasound guided biliary drainage (E.U.S.-B.D.) services.
- Starting Anti-reflux mucosal ablation (A.R.M.A.) services.
- Started NVHCP O.P.D.
- Started Fibroscan services in ward.
- Started Peroral endoscopic myotomy (P.O.E.M.) services.

16) Department of General Surgery :-

- Department of surgery in year 2023 is running Breast services both for Benign and Cancer breast services.
- Department of surgery students have been awarded best presentation in National conferences.

17) Department of Hematology :-

- In the Department of Hematology, patients suffering from blood diseases are treated.
- In the year 2023, three patients have been successfully transplanted with 'Autologous Stem Cell Transplant'.

18) Department of Microbiology :-

❖ Patient Care :

- The department recently installed and operationalized VITEK MS Prime based on MALDI - ToF technology, a state of the art equipment for rapid speciation / identification from culture of bacterial (including mycobacteria) and yeast isolates. The identification of culture isolate will be available within the hour thereby enabling treatment initiation earlier, as compared to 24 to 48 hrs previously.
- Rapid tests for Hepatitis 'B', Hepatitis 'C' and H.I.V. (H.H.H.) have been initiated in emergency laboratory.
- Successfully cleared desktop assessment for continuation with NABL accreditation.
- Continuation of certification by Central T.B. Division for TB culture and drug susceptibility.
- Successfully participated and cleared E.Q.A.S. by national bodies for bacteriology, mycology, parasitology, serology, virology and immunology, C.B.N.A.A.T. (T.B.), SARS-CoV-2 RT-PCR, influenza RT-PCR and dengue R.T.-P.C.R..

❖ Education :

- Conducted state level CD4 Cyflow counter refresher training for Maharashtra state.



19) Department of Neonatology :-

- Department of Neonatology caters to over 6000 newborns per year including high risk referrals from other institutions. Out of these 30-35% requires special care for various problems.
- The department has the state of art well equipped 42 bedded N.I.C.U.
- Department has state of the art Kangaroo Mother Care Centre & Pain and Palliative Care.
- Department provides Classroom and Observership Training to Medical Officers & Nurses in Facility Based Newborn Care under agencies of N.U.H.M..
- Department has state of the art Comprehensive Lactation Management Centre.

20) Department of Nuclear Medicine :-

- The Department of Nuclear Medicine is well-equipped with two Gamma Cameras thyroid uptake probe, Rectilinear scanner and other instruments. It can perform a variety of diagnostic scans to cater to the various clinical branches in the hospital such as: Endocrinology, Nephro-Urology, Gastrointestinal Systems, Cardiology, Neurology, Oncology, Respiratory system, etc.
- PET Scan :The radioactive Glucose is used for detection of cancer metastases, viability of heart and brain disorders.

21) Neurology Department :-

- 122 patients thrombolysis done.
- 685 Epilepsy surgeries done.

22) Department of Nephrology :-

- The department is recognized for D.M. course in Nephrology and M.S.C. & P.H.D. in applied biology.
- The staff members are actively involved in postgraduate training and patient care.
- The department treated 14,566 patients on Indoor & Outdoor basis & performed 30 live related and 05 cadaver kidney transplants. Total 9,122 hemodialysis were performed last year.

23) Neurosurgery Department :-

- The Department has acquired a new Intra Operative C.T. Scan and a New State of art Biplane D.S.A. machine.
- The Department has initiated a comprehensive stroke management program.

1. Open Surgery :

- (a) Surgery major – 1,320
- (b) Surgery minor – 106



2. D.S.A.:

- (a) D.S.A. Major – 145
- (b) D.S.A. Minor – 426

24) Department of Orthopaedics :-

- The department has super-specialty operation theater for joint replacement, Arthroscopy and Spinal surgeries with State of Art facilities including cutting edge technology.
- ❖ **Special Services :**
- Orthopedic Traumatology & Accident Medicine.
- Total Joint Replacement.
- Complex Spine Surgeries.
- Arthroscopy & Sports Medicine.
- Paediatric Orthopaedic Surgery.

25) Department of Ophthalmology :-

- Monthly camps at Talwada where cataract surgeries are performed.
- New Optical Biometer Tomey for precise measurement of axial length and calculation of intraocular lens power.
- New Autorefractometer Rexam for calculation of refractive errors and keratometry.
- New Heidelberg OCT Angiography for detection of retinal diseases.

26) Departments of Gynecology & Obstetrics :-

- CME on Surgical safety in Obstetrics & Gynaecology.
- Workshop was organized for Resident doctors.
- Department teaching staff had participate in MOGS Nandita Palshetkar PG Crash Course.
- Bioethics grand rounds.
- Lactation management training.
- Quiz competition on the occasion of world breast feeding week.

27) Occupational Therapy Department :-

- Faculty of Occupational Therapy were invited at INS Ashwini ,(Navy hospital) for guidance regarding early intervention.

28) Community Medicine Department :-

- ❖ **AYUSHMANBHAV HEALTH MELA-**
- Ayushmanbhav Health Mela is being conducted at the Primary Health Centre (PHC), Khadavali on fourth Saturday of every month with special health related theme.



❖ **PULSE POLIO IMMUNIZATION :-**

- Pulse polio immunization campaign was carried out from 10/12/2023 to 15/12/2023. This was a sub national Pulse polio immunization program.
- Physiotherapy sessions have been started for beneficiaries of attending Naigaon Geriatric O.P.D.
- Copper-T O.P.D. Services started in Urban Health and Training Centre, Malvani on 11.09.2023.
- To address specific oral health needs of vulnerable populations and promote preventive care Mobile Dental O.P.D. Services started in the urban slum area of Malvani.
- To promote early detection of Drug-Resistant case Drug-Resistant T.B. O.P.D. started from 22.05.2023.

29) Department of Paediatrics :-

- The department has Three units. Emergency Medical Services are available round the clock.
- Speciality Services - Pediatric Critical Care Unit, Genetic Clinic and Pediatric Research Laboratory, Chest Clinic, Nephrology and Rheumatology Clinic, Paediatric Epilepsy Clinic and Thalassemia Day Care Centre.
- Department also has Well- Baby Clinic, School Clinic services and Learning disability Clinic.

30) Pharmacology and Therapeutics Department :-

❖ **Patient Care :**

- The Ayurveda Research Center of the Department of Pharmacology and Therapeutics run an O.P.D. on every Friday afternoon. Last year 1,048 patients were registered in O.P.D.
- There were indoor admissions to the Ayurvedic ward, where a thorough evaluation, Panchakarma treatments and other therapeutic procedures were carried out. In 2023, total 684 admissions were made inside.

31) Pathology Department :-

- E.M.S. lab is working 24 hours a day.
- 24 hours post mortem facility provided.
- Undergraduate and Postgraduate (M.B.B.S., M.D., D.M.LT., OT., P.T.) students training.
- There are fellowship posts for 12 students affiliated to Maharashtra University of Health Sciences.
- Applying for N.A.B.L. accreditation of labs and for that some labs had been renovated.



32) Department of Psychiatry :-

- The Department offers both daily outpatient and inpatient services for patients with psychiatric illness. Specialized Clinic like child Guidance Clinic, Memory Clinic, Suicide counselling, Psycho-sexual group and psycho-education for caretakers are also run by the Department.
- Several awareness programmes for the community are also held.
- Drug Treatment Regional Center has been started under Ministry of Health & Family Welfare.
- Mental Health Helpline, HITGUJ (022-24131212), is also run by the department for patients and healthcare workers.
- Yoga teacher has been appointed to conduct regular yoga sessions.

33) Departments of Paediatric Surgery :-

- The department has started Minimal Access Surgery in the pediatric age group. This has led to significant advance in patient care.
- The department performed Basic & Advance Thoracoscopies, Laparoscopies surgeries in children with 3D system of all age including newborns. The obvious advantages are better cosmetics, lesser post operative pain & adhesions. In 14 years 4850 +194 MAS Surgeries have been done.
- We have done so for 107 cases of urinary stone and soft tissues with laser.

34) Department of Plastic Surgery :-

- The department has 40 beds for Plastic Surgery patients and a Burns ward of 12 beds for female and pediatric patients.
- 814 patients were admitted for Plastic Surgery (ward 16) and 72 Patients were admitted in Burns ward.
- The department provides round the clock emergency services to patients referred from casualty and other departments. A total of 5,640 Patients were operated in emergency and routine hours. 7,687 Patients were treated in the outpatient department.
- The K. E. M. Hospital Tissue Bank was inaugurated in January 2023 and is harvesting Amnion and Skin.

35) Department of Radiology :-

❖ Patient Care :

- The Radiology Department at KEM Hospital is one of the largest teaching department in India; both in terms of clinical services provided and the Radiology Residency, Fellowship, Radiographers Training, program for the MUHS University. The Department examines over 4,00,000 patients each year. All forms of diagnostic and Interventional radiological procedures are performed at this Department.



36) Department of Urology :-

- Department of Urology has renovated New Seminar hall for training of resident doctors and consultant in techniques on organ retrieval and laparoscopic surgery.

37) Physiotherapy School & Centre :-

- Conference on Arthroscopy and Sports Rehab in Cardio Respiratory physiotherapy.
- Celebrated World Physiotherapy Day on 8 September 2023 with Rheumatic Arthritis disease theme : Posters and PPT were displayed at work place for staff and patients.
- Poster competition based on theme of World Heart Day on 29 September 2023.
- Geriatric Community Services provided.

38) Department of Anaesthesia :-

❖ Patient Care :

- 12 Bedded New Post Anaesthesia Care Unit (P.A.C.U.) is started on 12th May 2023 at 2nd Floor, Main Building, K.E.M. Hospital.

Social commitment :

- C.P.C.R. (B.L.S.) Training Workshop for Physiotherapy Interns of Terna Physiotherapy College, Nerul, Navi Mumbai.
- Conducted C.P.C.R. (B.L.S.) and A.C.L.S. training programme for the Departments of K.E.M. Hospital :

❖ Education :

- Successfully running MUHS approved 4 fellowship programs.
- Conducted CME on 'Update in Orthopedic Anaesthesia'.
- Continuous Academic programs for Post Graduate students.

39) Department of Physiology :-

❖ Patient Care:

- The department help in scrutinizing application of grants offered to patients of K.E.M. Hospital (esp. for endovascular interventions) the process of which was digitized. This helps the patients to overcome the financial hurdles and arrange for necessary treatment.

❖ Education :

- Physiology offers their expertise in providing instruction for the Masters course in Sports Science conducted by Mumbai University.

❖ Research :

- Research pertaining to various aspects of Physiology are conducted in collaboration with other departments,



40) Homeopathic Out Patient Department :-

- Approximately 55 to 65 patients are seen on every Tuesday between 8.30 a.m to 10.30 a.m. and approximately 25-30 patients on every Saturday between 1.30 pm to 3.00 pm.
- Cases belonged to various diagnostic domain like Chronic Renal Failure, Advance Cancer, Upper and Lower Respiratory Tract Allergy, Anxiety Neurosis, Depressive disorders, Childhood Epilepsy, Skin disorders like Eczema, Psoriasis, Lichen Planus, Irritable Bowel Syndrome, Ulcerative Colitis etc.
- Cases were regularly being referred to concerned departments like Pathology department, Urology department, Paediatric department, Orthopaedic department as and when required.
- On Saturday O.P.D. we could see patients seeing palliative care in advance pathological cases especially suffering from cancer.

41) Social Service Department :-

❖ Patient Care :

- Community Development Officers (C.D.O.'s) of Social Service Department supported total number of 36,331 poor deserving patients were helped with counseling, medical aid, other therapeutic material & rehabilitation. Public education with mass awareness programs were conducted throughout the year.

❖ Fund Raising :-

- For deserving patients attending different medical and surgical department CDO's raised donation worth Rs. 12,50,94,333.
- Dean office has initiated CSR activity from May 2022-2023 to avail grants from different corporate houses to help our needy poor patients. CSR wing of Social Service Department has successfully raised Rs. 1,99,00,000.

42) Diet Department :-

❖ Patient Care :

- Specialized Nutrition Care provided year-2023 were – Modified ketogenic diet for rare neurological conditions like Doose syndrome; Metabolic diet was planned for rare genetic disorders like M.S.U.D., Fructose 1, 6 Bi-phosphatase deficiency, Glutaric aciduria, etc.

43) Dispensary (Pharmacy) Department :-

- Main Dispensary (Pharmacy) is renovated as per guidelines of Drug and Cosmetic Act with respect to storage and dispensing of Medicines, also opened additional Dispensing window for benefit of patients for more proper patient services.
- Various mixtures preparations as per K.E.M. Hospital formulary are compounded, prepared and dispensed to patients.



- Laminar flow installed in Dispensary which ensures Proper Dose Deviation under aseptic condition under U.V. light.
- First time in Hospitals Dispensary section under the Pharmacy Department started issuing P.D. fluids to O.P.D. patients under the guidance of Nephrology Department and also started issuing inj. Insulin to Type-I –Diabetes patients under the guidance of Endocrine Department.

44) Department of Clinical Pharmacology :-

❖ Achievements and Highlights :

- Two Pharmacovigilance 'Advanced Level Training' (A.L.T.) Workshops conducted as a Regional Training Centre under the aegis of the Pharmacovigilance Programme of India (Pv.P.I.)
- ❖ **Community Care :**
- During the National Pharmacovigilance Week, on 22nd September 2023, the Pharmacovigilance Team of our department has created awareness of Adverse Drug Reactions among patients in the Geriatric O.P.D. of the Community Medicine Department.

II) B. Y. L. NAIR CHARITABLE HOSPITAL AND TOPIWALA NATIONAL MEDICAL COLLEGE.

In response to the call given by the Father of the Nation in the year 1921, 4 students, from the British Government run Grant Medical College, quit their College to start a new nationalistic institution and that was the birth of Topiwala National Medical College. At the beginning, it was a Medical School and was registered for licentiate course by the College of Physicians and Surgeons. In the year 1946, On the occasion of its Silver Jubilee Year of the Institution, the college was taken over by the Brihanmumbai Municipal Corporation and was affiliated to the University of Mumbai for the degree course. The College received a magnanimous donation from the Topiwala Desai family and the well known Philanthropist Dr. Anandrao L. Nair and hence, it was named as Topiwala National Medical College and Bai Yamunabai Laxmanrao Nair Charitable Hospital. Today, these twin institutions are one of the leading institutions in the country.

This hospital has well equipped intensive care units for medical, surgical, cardiac patients and children and neonates. For children, this hospital has an independent I.C.U., N.I.C.U. Trauma ward is situated next to casualty. This hospital has its own blood bank and component therapy unit which provides services round the clock. It is recognized by the Food and Drug Administration (FDA). It is a member of Federation of Blood Bank. The hospital has whole body C.T. Scanner, Cardiac Cathetrisation System and spect camera which helps infallible diagnosis in medical field. The hospital has independent hyperbaric oxygen therapy chambers housed in Kasturba Hospital premises. This is only the second of its kind in the city of Mumbai (the first being at Port Trust Hospital, Wadala).

The hospital information management system (H.M.I.S.) has helped in streamlining the administrative work of the hospital and provides accurate information



about the medicines and treatment given to the patients in the past. Due to the hospital management system, the doctors know the complete information of the patients and the concerned medical officers can provide better and faster services to the patients.

The cloud-based H.M.I.S. system that is being implemented at B.M.C. Health Care facilities including B.Y.L. Nair Hospital, Kasturba Hospital and Others is also identified as 'AarogyaSanchayani', which relates to a 'Health Repository' and covers a wide scope of data management and real time patient data with stored 3D images like X-ray, CT-Scan, U.S.G. are made available across all B.Y.L. Nair Hospitals departments. P.A.C.S. for radiology and laboratory device integration facilitates quick reporting by radiologists and laboratory technicians.

For better management and administration, H.M.I.S. is also enabled with different dashboards and M.I.S. reports which provide a summarized as well as detailed view of hospital departmental statistics, like COVID cases registered, hospital bed occupancy, x-ray, realtime H.M.I.S., symptomatic patients, asymptomatic patients, cured/discharged and deceased count complete accurate billing etc. H.M.I.S. system at B.Y.L. Nair Hospital has helped us to manage hospital related administration work more efficiently now we can check real time number of drugs advised to patient to maintain the reorder levels. From administration point of view getting count of patients based on department has become easy now, we can get real time patient registration data which helps in decision managing the load on department and assessing doctors vs patient load.

TOPIWALA NATIONAL MEDICAL COLLEGE :

This College was first started for Medical Licentiatees during National Movement in the year 1921 and was then called as National Medical College. In 1946, the College was upgraded to the degree courses and affiliated to the University of Mumbai in October 1946 and it was taken over by the Corporation and now it is one of the reputed Medical Colleges in Maharashtra State.

Every year 150 students are admitted for the MBBS (graduation) course. The college is recognized by Medical Council of India for training in super-specialty subjects such as Cardiology, Cardio vascular & thoracic Surgery, Neurology, Neuro-Surgery, Urology, Endocrinology, Gastroenterology, Plastic Surgery. The School of Audiology and Speech Therapy admits 10 students every year for the degree course in audiology and speech therapy.

The School of Occupational Therapy and Physiotherapy was started in the year 1990-91. Every year 10 B.Sc and M.Sc. students are admitted there for training for under graduate and post-graduate courses, respectively. It also conducts postgraduate course i.e. M.Sc in this discipline and is presently the only BMC institution offering this course. This college has also to its credit a Nursing School which is recognized by the Nursing Council of India, which admits 100 students every year.

ANATOMY :

The department of anatomy is involved in teaching first year students of M.B.B.S, B.D.S, B.O.Th, B.P.Th, B.P.M.T, B.A.S.L.P and nursing as well as M.D. Anatomy and Ph.D Medical Anatomy. The department looks after body donation and conducts body donation awareness programme.



ANESTHESIOLOGY DEPARTMENT :

The Department of anesthesiology provides anaesthesia services in various O.T.s of B.Y.L.Nair Ch. Hospital and Nair Hospital Dental College. The Department O.P.D. is located on 1st Floor, OPD building, timings are 8.30 am to 1.30 pm Monday to Saturday. The Department also runs 2 critical care areas and helps manage the trauma and I.C.U. The department also provides pain clinic services to the patients on Monday and Thursday. The department admits 26 post-graduate students and 7 B.P.M.T. students every year and is also involved in research work.

AUDIOLOGY AND SPEECH THERAPY :

The department of Audiology and Speech Therapy was established in January 1966 and is the first-ever department for the assessment and management of persons with speech-language and hearing deficits in South Asia. Bachelor's program in Audiology and Speech Therapy was started in 1967 and the postgraduate program commenced in 1996.

The department undertakes a myriad of activities related to identification, diagnosis and management of speech, language, swallowing, hearing and balance disorders. The range of services extend from the neonatal to the geriatric age-group. Children with speech-language disorders like language delays secondary to attention deficit hyperactivity disorder (ADHD), Autism Spectrum Disorder, hearing loss, cerebral palsy, stuttering, dysphonia, speech sound disorders, dysarthria etc. are assessed and managed.

BIOCHEMISTRY DEPARTMENT :

The department took over the charge of the Clinical Biochemistry Laboratory and Emergency Laboratory in February 2018. Since then lot of improvement have been done, including recruitment of technical staff, purchase of new equipments and conducting regular quality control programme. These laboratories cater services to whole of Nair Hospital. Around 20 lakh tests are done annually in the Clinical Biochemistry Laboratory and 12 lakh tests in the Emergency Laboratory.

CARDIOVASCULAR AND THORACIC SURGERY (CVTS) :

The department of CVTS has performed more than 500 open heart surgeries in 2023-24 which include congenital and routine cardiac cases. The department is also performing vascular cases such as aorto-bifemoral grafting and femoro-popliteal grafting, off pump cardiac surgeries are being done on a regular basis. The department has started performing surgeries for complex congenital heart diseases such as double outlet right ventricle (DORV) in adult patients.

CLINICAL PHARMACOLOGY DEPARTMENT :

1. Patient care services of the department-

- Therapeutic Drug Monitoring (TDM) services for anti-epileptic drugs and first line anti-tubercular drugs
- Ayurvedic Services: OPD and Panchakarma services
- Specialized laboratory investigations: PT-INR, aPTT, Homocysteine, Fibrinogen, D-dimer, Complete Lipid Profile (Total Cholesterol, HDL Cholesterol, LDL Cholesterol, Triglycerides), Protein C, Protein S, anti-thrombin III and C-reactive protein.



2. Adverse Drug Reaction (ADR) Monitoring Centre (AMC)-

The department is one of the ADR Monitoring Centres for Drug and Medical Devices under the Pharmacovigilance and Materiovigilance Programs, Government of India.

COMMUNITY MEDICINE (PSM) DEPARTMENT :

- 1) UG teaching: 3 years of M.B.B.S. course, nursing course, Occupational therapy & Physiotherapy students are covered in UG teaching.
- 2) PG Teaching: Every year 10 students join the MD Community Medicine course.
- 3) The department is affiliated with Kharbao primary health centre (PHC) (Rural Health Training Centre), Kon PHC and Nilje PHC, located in Thane district.
- 4) The department of community Medicine also manages one Urban Health Centre situated at Shahaji Nagar (Cheetah Camp), Mankhurd.
- 5) Under the Universal Immunization Programme, the Immunization clinic is managed by the Department of Community Medicine.
- 6) Research Activities: As there are experienced faculty who are NMC recognized as PG teachers, the Students are guided with the help of proper scientific methods.
- 7) The Internship programme for medical students is managed by the Department of Community Medicine.
- 8) The Infectious Diseases Surveillance Program (IDSP) unit of the department of community medicine provides data on a daily basis regarding infectious diseases, vector-borne diseases, COVID-19, diarrhoeal diseases etc.
- 9) The senior faculty are a part of the institutional committees like the ECARP & DDF.
- 10) The department also organizes monsoon health camps in the B.M.C. areas.
- 11) NCD screening: Non-Communicable diseases (NCD) screening centres have been started in the hospital as well as the urban health centres in order to detect cases of Diabetes and Hypertension in asymptomatic population.
- 12) The department is also running School Health Clinic with specialists to provide referral services to children from municipal schools.
- 13) Also, in co-ordination with the Public Health Department, and Epidemiological cell, the department contributes to various community surveys, disease surveillance activities and other national health programmes.

EAR NOSE THROAT (ENT) AND HEAD AND NECK SURGERY :

The department of ENT and head and neck surgery is engaged in the comprehensive multi-disciplinary management of problems related to ear, nose, throat and neck in all age groups. The department has started the first Videonystagmography Laboratory (VNG Lab) among the public sector hospital in Maharashtra which hosts the state-of-the-art VNG machine and various other equipments for assessment and management of vertigo. Besides managing patients, the department is actively involved in teaching medical undergraduates, postgraduate students, nursing, physiotherapy, occupational therapy, audiology and speech therapy students. The department organized a CME on Allergy and Airway in collaboration with the department of Pulmonary Medicine on 19th August 2023.



ENDOCRINOLOGY DEPARTMENT:

The department runs dedicated clinics for Diabetes, Thyroid, General Endocrinology, Reproductive Endocrinology, Metabolic Bone disease, Pediatric Endocrinology, Neuroendocrinology and Diabetic Foot. The Podiatry (Diabetes Foot) clinic has instruments for neuropathy (Biothesiometer) and Vasculopathy (Hand Held Doppler) screening for the early diagnosis and proper assessment of these complications in diabetic patients. Patients are also given advice about foot care and protective foot wear.

FORENSIC MEDICINE & TOXICOLOGY :

The department imparts training to undergraduate (MBBS) and postgraduate (MD) students. M.C.P.C. is functioning and operating from department of Forensic Medicine since 2006. This is a hospital based service for children exposed to abuse especially sexual abuse.

GASTROENTEROLOGY :

The department of gastroenterology conducts diagnostic and therapeutic procedures. Diagnostic procedures include upper GI scopy, colonoscopy, E.R.C.P, sigmoidoscopy, liver biopsy, duodenal bile aspirate (for giardiasis and cholesterol crystals). Therapeutic procedures done by the department include esophageal variceal-sclerotherapy, esophageal variceal band ligation, esophageal dilatation (for carcinoma esophagus), gastric varices injections with glue etc.

GENERAL MEDICINE DEPARTMENT :

The department of medicine provides medical services in various OPD, Wards, MICU, Emergency Medical Services (EMS) and Medicine Research Laboratory of B.Y.L. Nair Ch. Hospital. In addition to general medicine services, this department runs the following sub-specialities O.P.D.s for the benefit of the patients attending Nair Hospital. These are Asthma and C.O.P.D. Clinic, Hypertension, Alcohol Related Medical Disorders and Senior Citizen Clinic. HDU (High dependency Unit) which is 15-bedded step down ward from MICU has been started. The 23-bedded Medical Intensive care Unit (MICU) has been renovated.

GENERAL SURGERY DEPARTMENT :

The department offers the following speciality services-

Endocrine Surgery :

Surgical treatment for disease of the endocrine system has evolved into a sub speciality in itself. The surgical unit addresses this need of patients, in association with the department of Endocrinology.

Breast Surgery :

The O.P.D. is conducted every Wednesday between 1.00p.m. to 4.00 p.m. The breast service holds regular camps at various locations with a view to increasing awareness about breast diseases, counselling and early diagnosis of those diseases that require early intervention.

Diabetic Foot Management :

Modern wound care products including negative pressure wound therapy are available free of cost to all patients. Availability of Angiography and Interventional Radiology



facility in the department of Radiology and hyperbaric oxygen facility at Kasturba Hospital, has made it possible to offer the comprehensive care to patients with foot complication as a result of diabetes.

Gastrointestinal Surgical Services :

Advanced care of disease of the gastrointestinal tract (G.I.) involves a high level of skill and specialization. The surgical unit serves the need for a committed G.I. surgery services speciality in the areas of hepatobiliary and pancreatic surgery.

Surgical Endoscopy :

Our ability to access the gastrointestinal tract by the insertion of flexible endoscope through natural orifices gives us the ability to diagnose and treat a multitude of diseases without wielding the knife. Both upper and lower GI endoscopic services are offered by the department.

Laparoscopy :

Laparoscopy is a more recent technological advancement which gives us the ability to access the entire abdominal cavity as also the chest, to carry out even the most complex procedures which would otherwise require large incisions, through what is popularly known as "Minimal Access Surgery" or "Key Hole Surgery".

Surgical Oncology :

All the units carry out operations for cancer - particularly breast, stomach, colon, pancreas, thyroid, parathyroid and adrenal. Adjuvant treatment is planned and coordinated with the medical oncology and radiotherapy department.

Stoma Clinic:

Stoma clinic offers care of temporary and permanent faecal and urinary stoma. Stoma bags are provided free or at a concessional rate to all patients. It is run by a trained stoma therapist.

Vein Clinic and Endovenous Laser Therapy :

Modern endovenous laser ablation therapy and foam sclerotherapy for varicose veins are available at a reasonable cost.

Hyperbaric Oxygen Therapy Unit :

The Hyperbaric Oxygen Therapy unit run by the department of surgery is situated in the premises of the Kasturba Hospital. It is the oldest functioning unit for this mode of therapy in the city of Mumbai. Over the last three decades, this unit has provided HBOT to patients, not just from Nair Hospital, but all other municipal and government hospitals in the city and any patient requiring HBOT from the private hospital and nursing homes as well. Department of general surgery has recently acquired a new hyperbaric oxygen therapy chamber.

HAEMATOLOGY DEPARTMENT :

The department of Haematology provides Clinical Haematology Laboratory services. Patients requiring emergency management as well as chemotherapy get admitted in the ward. Transfusion services are provided for paediatric as well as adult thalassemia patients.



MICROBIOLOGY DEPARTMENT :

- 1) The department of Microbiology of T.N.M.C. & B.Y.L. Nair Ch. Hospital has been affiliated with M.U.H.S., Nashik for UG and PG course.
- 2) The department offers diagnostic services for infectious diseases through its different divisions viz Bacteriology, Mycobacteriology, Mycology, Parasitology, molecular diagnostics, Serology and Immunology including ICTC and RTI/STI.
- 3) The department gives services to all OPD and IPD patients of this hospital.
- 4) In addition, the department also offers emergency laboratory services (after routine hours) for processing specimens of emergency nature or from seriously ill patients.
- 5) All seven service laboratories under the department of Microbiology have been NABL accredited as per ISO 15189:2013 for all the serological and immunological test.

NEPHROLOGY DEPARTMENT :

The department of Nephrology provides hemodialysis services round the clock and has a total of 29 hemodialysis machines (including those in the additional hemodialysis unit in the HDU). Dialysis section is well equipped with all intensive care unit facilities inclusive of ventilators. The department of Nephrology performed 11832 dialysis sessions this year. Bedside dialysis for critically ill patients was provided in the HDU, MICU and trauma ward. The department is recognized Kidney Transplant Center by Directorate of Health Services, Maharashtra and performs kidney transplant regularly. This year a total of 12 kidney transplants were performed.

NEURO SURGERY DEPARTMENT :

The department of Neuro-surgery has been operating complex neuro-surgical cases involving brain and spine and doing endo-vascular procedures. The department is involved in teaching programme for M.Ch. trainees in neurosurgery comprising of case presentations, seminars and faculty discussion.

OBSTETRICS AND GYNECOLOGY :

A total of 3207 deliveries (including 1386 caesarean sections) and 1452 (major-608, minor- 844) work conducted by the department of Obstetrics and Gynecology. Specialty services are being provided for infertility, uro-gynecology and gynec-oncology.

OPHTHALMOLOGY DEPARTMENT :

Mobile Ophthalmic Van

First in BMC hospitals, the van provides free services to adults and children at their doorstep. It is serving its purpose for screening patients, examination with up to date machines by specialist eye surgeons and their team.

Collagen Cross Linking (C3R) Machine

First in BMC Hospitals, used to treat conditions like keratoconus, corneal thinning, post LASIK, etc.

PATHOLOGY DEPARTMENT :

- 1) Installation of Intelsint Fully Automatic Tissue Processor in Surgical Pathology Laboratory.



- 2) Starting use of HMIS for indoor patients in Hematology Laboratory.
- 3) Started use of 2 Fully Automated Coagulometers in Hematology Laboratory.
- 4) Record number of outdoor blood donation (148) camps held in 2023.
- 5) Starting use of Gel card technology for Coomb's cross-matching in Blood Centre.
- 6) Starting use of Automated Hemoglobin Analyzers for accurate hemoglobin measurement for donor screening.
- 7) Installation of Public Addressal system in the blood collection area of OPD 16.
- 8) EQAS program of AIIMS New Delhi, started for Quality Assurance in OPD 16.
- 9) Immunohistochemistry Panel markers number increased to 54.

PAEDIATRICS :

The Early Intervention and Rehabilitation Center for Children (EIRCC) located at Nagpada, a flag carrier project of BYL Nair Ch.Hospital and Nair Dental College and Hospital, launched services for children with special needs from 12.07.2023. The services are rendered through multi-disciplinary collaboration involving departments of pediatrics, psychiatry, ENT, Physiotherapy, Ophthalmology, occupational therapy, audiology and speech therapy, dental etc. The center was officially inaugurated by the Hon'ble Chief Minister on 24th December 2023. The department of paediatrics has started SMART (SMA rehabilitation and treatment) OPD dedicated to multidisciplinary care, early intervention and rehabilitation for children with spinal muscular atrophy (SMA) and GENIUS (Genetic and undiagnosed Syndrome) OPD for children with genetic syndromes and undiagnosed metabolic disorders.

PAEDIATRIC SURGERY :

The department of Pediatric Surgery was established as an independent department in 1993. The department has been imparting training for M.Ch. in the discipline of pediatric surgery since 1993. It was the first department to start and promote pediatric laparoscopy in India. The department runs pediatrics surgery OPD, twice a week (Monday and Thursday).

PHARMACOLOGY DEPARTMENT :

The departments of Pharmacology imparts teaching and training of undergraduates (M.B.B.S, B.D.S, B.O.Th, B.P.Th, B.P.M.T and nursing diploma) as well as postgraduate (M.D. Pharmacology) students. The departments conducts various postgraduate activities, journal club, seminar, group discussion, protocol experiments, pharmacovigilance etc. and is also involved in research. The department organized in research. The department organized two day National multispeciality conference (ATCON 2024) in January 2024.

PHYSIOTHERAPY:

The Physiotherapy school and centre runs undergraduate, postgraduate and doctoral programmes affiliated to the Maharashtra University of Health Sciences (MUHS) and offers its services to indoor (ward unit and intensive care unit) patients and OPD patients. The physiotherapy centre runs musculoskeletal OPD, neuro-rehabilitation OPD, chest OPD daily and special OPDs such as high-risk neonatal OPD, breast cancer OPD, geriatric OPD, cardiac surgery rehabilitation OPD and foot care OPD once a week.



PLASTIC SURGERY :

This department which was established in 1964, presently has a bed strength of 30 beds and 4 senior residents of M.Ch. Plastic surgery course per year. The department also runs the burns unit at Kasturba Hospital. The department has acquired carbon dioxide diode and multiplatform laser for better patient care. The clinical skills laboratory established in 2012 has been upgraded in September 2021.

PSYCHIATRY DEPARTMENT :

The Department of Psychiatry which is an ISO certified department. It provides a multi-disciplinary comprehensive management of psychological problems in all age groups. Besides the regular activities, teaching and research, the department runs the following specialty clinics / services: -

- School Mental Health Clinic is the first of its kind, continues its work in the various municipal schools and with Sarva Shiksha Abhiyan.
- The Learning Disability Clinic is run for students who suffer from low learning capacity.
- Psycho geriatric OPD for elder patients.
- The Swami Vivekanand Remedial Centre for Children with learning disability
- The Fellowship in Child and Adolescent Mental Health with an intake of 8 students every year.

PULMONARY MEDICINE DEPARTMENT :

This is a super-speciality department that serves patients affected by respiratory disorders. The department offers dedicated patient care in the form of outpatient, inpatient and intensive care and sleep studies. The department caters to patients suffering from all various respiratory disorders such as tuberculosis, bronchial asthma, chronic obstructive pulmonary disease, interstitial lung disease, lung malignancies, obstructive sleep apnea syndrome, pleural effusions, etc.

RADIATION ONCOLOGY :

Radiation therapy is one of the important modalities used in the treatment of cancer. Radiation therapy kills cancer cells, shrinks tumours and relieves symptoms. The department of radiation oncology provides curative and palliative radiotherapy to cancer patients. The department has installed new radioactive isotope cobalt 60 in teletherapy machine and Ir-192 radioactive isotope in brachytherapy machine which would be of immense use in the management of cancer patients.

SKIN & VD DEPARTMENT :

- 1) Acne surgery : For acne and acne scars this department offer treatment modalities such as chemical peel dermaroller, submission, punch elevation, scar revision.
- 2) Vitiligo Surgeries : Surgical modalities of treatment being done in this department for vitiligo suction blister grafting, non culture melanocyte transfer, dermabrasion, split thickness skin grafting with a considerable degree of success.
- 3) Excision : Under local anaesthesia of sebaceous cyst, lipoma, neurofibroma, steatocystoma, cystic lesion, mucocele, mole, nevus and many other conditions are also being done in this department.
- 4) Nail avulsion both partial and total for indicated nail disorders.



- 5) PRP (Platelet Rich Plasma) is also done for patients with androgenetic alopecia.
- 6) Skin biopsy, needling and extraction of molluscum contagiosum, come-done expression, podophyline application for warts, nail clipping, etc are also done in this department.

UROLOGY :

The aim of the department has always been to provide the latest state-of-art technology to more than 16,000 OPD patients and 2000 IPD patients who are treated by the department annually. The Modular OT complex with two OTs was inaugurated on 30 July 2018, further augmenting our services. A dedicated Andrology Clinic has been started in February 2021. The Department of Urology along with the Department of Nephrology started Renal Transplantation in July 1993. Since then, the two departments have been routinely performing renal transplantations, with 10-15 transplants being performed yearly. The department also successfully performed the first swap renal transplant in our hospital's history in October 2023.

III) THE NAIR HOSPITAL DENTAL COLLEGE

A) Dental College :

Nair Hospital Dental College has been a premier Institute in the country, situated in the heart of the City of Mumbai Since July 1933. It is having a full-fledged individual dental complex, fully equipped with modern equipment for the treatment of all types of Dental ailments and manned by highly qualified and specialized staff.

Nair Hospital Dental College is affiliated to the University of Mumbai and now to the Maharashtra University of Health Sciences. It is one of the Dental College in the country which boasts having a post-graduation teaching programme in all the specialities of Dentistry. It bears the full strength of the teaching and nursing staff and fulfills all requirements of D. C. I. norms for its teaching programme both for under graduates and post-graduates.

The Institution over the years has made significant contributions both at National and International Conference, Symposia, Work-shops and Journals to be recognized as one of the reputed and leading Institutions in India.

The Institution has a splendid record of its progress and has imparted high standard of Dental Education and training to the students. Post-graduation is offered in eight specialities viz., (1) Oral Diagnosis and Radiology, (2) Oral and Maxillofacial Surgery, (3) Periodontia, (4) Conservative Dentistry, (5) Pedodontics, (6) Orthodontics, (7) Prosthodontics (8) Oral Pathology (9) Community Dentistry Department.

The audio Visual facility is available in library section of this Institute.

B) Dental Hospital :

This Institution has its own indoor facilities for maxillofacial surgical and dental patients.

Today, this institution have 9 super speciality departments and a total of 303 dental chairs. All the departments are manned by specialists, and guidance of their HODs and dynamic Dean are working hard to achieve excellence at every step.



The Institute had celebrated its 90th year on 18th December 2023 while catering to Patient's oral health needs, This hospital now boast of the latest technology and equipment such as CBCT, an endodontic microscope, state of the art operation theaters, a ceramic lab, an implant centre, a mobile dental van, a tobacco cessation and oral cancer centre to name a few.

This Institution also have a school dental program for Municipal Schools, free of cost. Nearly 10,000 children from municipal schools are given free treatment every year. The treatment is provided free of cost to children from Orphanages, Prisoners, Handicapped Patients and B.M.C. staff as well . Also, the cost of treatment is 50% subsidized for senior citizens. Institute has now started PHD courses affiliated to university of MUHS.

Recently, this institute has started 4 NCD corners with the objective of serving general public and checking Diabetes plus Hypertension in all patients over 30 years of age.

The institute has blossomed over the years and today we have been blessed with the fruits of the trees that took roots 90 years of ago.

New Extension Building

The inauguration ceremony of new extension building of Nair Hospital Dental College was held on 15 March 2024 by Hon'ble Chief Minister Shri. Eknathji Shinde. This building has centre of excellence for providing advanced dental care to the public and also Dental Laboratories, Simulation training labs, new class rooms, Modular OTS with in-house ward arrangements, mini ICU and a hostel for our students and warden's accommodation and a CAD/CAM digital lab. The basement will provide parking up to 37 cars.

The ground floor comprising of the Department of Oral Medicine & Diagnosis will provide screening to all dental patients. This would help in advocating, investigations with the latest technologies via CBCT, 3D printing. This would also be used for precise treatment planning for patient undergoing implant treatment and maxillofacial surgeries.

This Institute also have the Oral Health Museum which is a planned effort to create a supportive environment that will guide the patients in promoting oral health by display of 3D models, Banners and Posters, These displays will help in creating awareness towards dental diseases and a way to prevent them.

Tobacco Cessation Centre intends to create awareness among the general public about the negative effects of tobacco through individual intervention in the form of behavioural counselling and nicotine replacement therapy.

The first floor comprises of Dean office, administrative office and 6 guest rooms for examiners, inspectors etc.

The second floor comprises of modular Ots with in-house ward arrangements for 16 patients and with 4 special private rooms, a nursing station, a mini ICU and a Atrium - Garden area for patients.

Third Floor comprises of Dental Simulation Center a laboratory which simulates the clinical environment for our dental students as they will practice and learn preclinical courses, on dummy (Phantom) patients on electrical physiologic dental chairs.



The department of Prosthodontics is spread over 2nd, 4th and 6th floor.

Fourth floor will house the patient clinic for postgraduate students and faculty department of conservative for PG students. The metal and ceramic laboratory on 4th floor is to be used by department technicians for fabrication of various types of metal ceramic fixed crowns and acrylic removable dentures.

The fifth floor will house the ICT enabled classrooms and state of art auditorium.

The sixth floor will house a state of the art Digital Dental CAD CAM laboratory. All equipment and facilities are available to fabricate prostheses with digital technology like computer aided imaging, designing, milling and 3D printing.

The Implantology section on 6th floor comprises of two operation theaters, a diagnosis section, patient recovery room and sterilization room for dental implants treatment.

Hostel Facility :

From 8th to 11th floor hostel rooms are provided to 265 UG & PG students with mess facility and warden's flat is on 7th floor.

1) Oral Medicine and Diagnosis Clinic :

(a) OPD :

This is the department where all new patients are checked and screened for all their dental complaints, soft tissue lesions like precancerous conditions etc. and systemic diseases.

The patient detailed medical history / social history is recorded along with the present dental status. The chief complaint of the patient is noted and all the relevant investigations like Radiographs, Biopsy and Blood Investigations are prescribed and carried out and the patient is referred to the specific department for treatment. The patients are also counselled as regards their oral hygiene status, cessation of tobacco associated habits, etc.

(b) Oral Diagnosis, Cancer Detection and Orofacial Pain Clinic:

The management of oral manifestations of systemic diseases, oral mucosal lesions, early stage precancerous conditions, autoimmune disorders is carried out in the Oral Medicine Clinic. Patients are screened for Oral Cancer, Biopsy and Radiographic Investigations are prescribed. Referral and rehabilitative counselling is also an integral part of this unit.

(c) Radiology Department :

The department has CBCT machine, a Radiovideography unit and Laser instruments.

2) Oral & Maxillofacial Surgery and Exodontia Department :

The Department of Oral and Maxillofacial Surgery is a major referral centre for patients requiring treatment for various diseases and disorders related to the bones of the face and jaws, such as congenital jaw deformities or those arising from trauma during Vehicular accidents, Tumours, Temporomandibular Joint ankylosis, Oral Submucous Fibrosis, implantology and distraction Osteogenesis. Along with major



surgical treatment procedures. The department also attends to patients requiring routine treatment such as dental extractions & minor surgical procedures such as extraction of impacted teeth, Cyst Enucleation, closed reduction of Jaw Fractures, TM Joint Dislocation, Preprosthetic Surgeries & Biopsy procedures for patients with suspected cancerous lesions of the Oral cavity.

3) Periodontology Department :

The Speciality deals with the management of the Periodontal diseases i.e. diseases of gums and jaws bones. Periodontal disease is a disease of neglect. There is an extremely high incidence (90%) of Periodontal problems in the Indian Population. Neglect of healthy mouth by improper brushing & deleterious habits, leading to poor oral hygiene, are the main etiological causes of this disease. The deposits on the teeth are removed by oral prophylaxis also called as Scaling and Root planning by means of Hand Instruments / Sophisticated Electronic Equipment, Ultrasonic Scalars.

Patient's Primary Checkup is done for chronic gum disease and their teeth are cleaned also to give them better dental health. Patients with bony defects are treated with artificial bone grafts e.g. dried bone allograft and soft tissue defects are treated by membranes e.g. Alloderm. Both these grafts are synthetically prepared and are procured from established organizations. Patients with mobile teeth are treated by splinting, which can be done by composite, wire etc.

4) Pedodontics Department :

Department of Pedodontics and Preventive Dentistry provides services to Children from infancy to adolescence to all socioeconomic strata. The preventive programmes like oral Hygiene Counselling, Diet Counselling, Fluoride Therapy are routinely performed. All the treatment modalities from diagnosis to complete oral rehabilitation are done. Restorations with silver amalgam, tooth coloured materials root canal treatment, extractions, space management, minor surgical procedures are carried out. Habit breaking procedure (for e.g. thumb sucking, digit Sucking, mouth breathing) are routinely carried out. The children with Dental traumatic injury are attended with advanced modalities and techniques.

Speciality treatment for medically compromised children and those needing special attention i.e. cardiac diseases, cerebral palsy (spastic children), Autism, Thalessemia, Haemophillia, leukemia, Cleft Lip and Palate are carried out with special care. The department has facility for treatment of special children under premedication or under general anaesthesia with fully equipped operation theatre and skillful anaesthetist.

Municipal school children are treated free of cost and special efforts are taken through daily dental van services. Pediatric patients suffering from highly infectious and contagious disease like HIV / AIDS, Hepatitis B, are also treated. Underprivileged children living in orphanages are brought on monthly basis for regular oral health care.

5) Orthodontia Department :

Orthodontics and Dentofacial Orthopedic is a highly specialized branch of Dentistry. The department at Nair Hospital Dental College was the first to start in the country and till date offers contemporary treatment to the patients visiting the department. The treatment modalities include treatment of 1) mild to moderate growth related problem 2) Malocclucia due to pressure related habit 3) cleft lip and palate 4) Skeletal malocclucia 5) functional problem 6) occlusal disharmonic 7) Crowding 8) Proclination etc.



6) Prosthetic, Crown and Bridge Department :

In this department artificial teeth are replaced. Replacements are directed towards achieving oral function, aesthetics, speech and mastication.

Depending on the extent of edentulous span, the patient could be treated either with a complete denture, removable partial denture or a fixed partial denture. Different types of maxillofacial prosthesis are also made for patients with congenital or acquired defects. Fixed partial denture work is carried out with the latest available material (e.g. Resin, Ceramic, Metal) and Modern technology. Dental implant treatment is also carried out in the department. This department has been renovated recently, and new dental chairs have also been installed.

A state of art Digital Dental Lab (CAD CAM Lab) has been a new addition to the department. It will help in fabrication of faster and more accurate computer aided design & manufacturing (CAD/CAM) dental prostheses.

7) Oral Pathology and Microbiology Department :

Oral Pathology & Microbiology deals with examination of oral manifestations of diseases and their treatment. Biopsy procedures and Histopathological reporting is also done in the department. Routine lab investigations are carried out for the patients.

The department is involved in academic and research activities. The department has a research microscope and automatic blood cell counter. The latest addition to the department are twenty five illuminating binocular microscopes.

Oral Cancer and Precancer Prevention and Detection Center deals with detection and counseling of patients with precancerous and cancerous lesions. Velscope has been procured for detection of oral precancerous and cancerous lesions.

8) Conservative Dentistry & Endodontics Department :

The department of Conservative dentistry and Endodontics works towards conserving and restoring teeth. Work done by the department is concentrated on relieving the pain and discomfort of the patients, majority of the treatment carried out is Root canal treatment of teeth. Besides silver amalgam restorations or Esthetic dentistry, the department also serves the patients with treatment modalities ranging from Periapical surgery, management of traumatic dental injuries. Non-surgical retreatment and multidisciplinary, Endo-Prosthodontics and Endo-Perio cases. The department has state-of-the-art equipment which includes lasers, Electrocautery, Surgical operating Microscope, Table top microscopes and Bleaching units. Special personalized care is given to 'Mentally and physically challenged' patients in special care room. Senior citizens are treated on priority basis every Friday. Seropositive cases are taken every Wednesday in a special room.

9) Community Dentistry Department :

Public Health Dentistry (Community dentistry) Department is working towards prevention of oral diseases & to promote oral health with the aim 'Best oral health for the largest possible number'.

Community services are rendered in three urban health centers by mobile dental van. Community Dental Health Programmes are regularly organized to deliver dental health services to needy and underprivileged people staying at disadvantaged



locations. Dental Check-ups are undertaken on regular basis for school going children. Apart from these regular visits, the department of public health dentistry also impart good oral care information and screening to needy, those living in slums, red light areas, orphanages and general public by conducting various diagnostic dental camps.

Every year we celebrate 'No Tobacco Day' by educating the patients about the ill effects of tobacco consumption and oral cancer, more emphasis on preventing tobacco habits and occurrence of oral cancer. Through performance of street plays and slogans, posters, pamphlets and banners the population is motivated to quit the habit of tobacco and adopt healthy lifestyles.

Department has developed the Oral Health Museum in the hospital, where we educate each and every patients and public visiting to the Nair Hospital Dental College about preventing dental disease and promoting oral health.

In future, department will try to reach more and more people especially in remote areas to provide beneficial services to public by procuring one fully equipped mobile dental van.

IV) LOKMANYA TILAK MUNICIPAL GENERAL HOSPITAL AND LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE

1) Lokmanya Tilak Municipal General Hospital :

After the IInd World war, the Indian Military Hospital at Sion was taken over by the Bombay Municipal Corporation in the year 1946 and the Dharavi Municipal Group of Hospitals was started from 24th April 1947. It started with 50 beds and now L.T.M.G. Hospital is 1,900 bedded tertiary referral centre. Currently, hospital is undergoing redevelopment after which it will have 3,000 beds.

Various clinical facilities and specialized units such as Flying Maternity Squad Service, Accident Ambulance and Mobile Coronary Care Units have been provided at this hospital.

2) Lokmanya Tilak Municipal Medical College :

The Brihanmumbai Municipal Corporation established its third Medical College at this hospital in the year 1961. The college is affiliated to Maharashtra University of Health Sciences, Nashik upto the academic year 2016-17. 100 no. of undergraduate students were admitted every year. From academic year 2017- 18, 150 undergraduate students were admitted to M.B.B.S. course. From 2019-20, 200 Under Graduate students are given admissions. The college admits Post Graduate students for various Degree & Diploma courses in all specialities and super specialities besides conducting D.M.L.T, M.Sc. & Ph.D in Microbiology, Biochemistry, and Applied Biology & Pharmacology.

The School of Physiotherapy and Occupational Therapy, conducts B.P.Th. / B.O.Th. & M.P.Th / M.O.Th. courses. Students are also trained for M.Sc. Course in these specialities. Students are admitted for B.P.M.T. courses also. There is school of nursing affiliated to Nursing Council of India & admits 100 students every year for G.N.M. course.



● DEPARTMENT OF ANAESTHESIOLOGY :

Clinical Work :

- In the period from April 2023 to March 2024, the Department of Anaesthesiology has provided services to 20 other departments of the L.T.M.M. College & Hospital as well as other hospitals as per directives.
- 29,107 cases received anaesthesia care in the form of general anaesthesia, regional anaesthesia and Monitored anaesthesia care in the year 2023.
- A total of 4,124 critically ill patients, 1,552 requiring ventilator support, were managed in areas such as SOTRR, Trauma ward. C.V.T.S. & Neurosurgery R.R. areas.
- For management of pain, various fluoroscopic and USG guided procedures were carried out. A total of 474 such procedures were carried out in 2023 and total attendance in pain O.P.D. was 1,342.

Administrative Work :

- The dept. faculty have been active in procuring various equipments required for the smooth & efficient management of patients.

Academic Work :

- Department of Anaesthesia is conducting post-doctoral fellowship courses in Paediatric Anaesthesia and Cardiac Anaesthesia Academic programs were organized for the post graduate, undergraduate and B.P.M.T students.
- Faculty members have also been actively involved in training the undergraduate students in various modules under the Foundation Course for M.B.B.S. students.
- Conducted C.M.E. + Workshop on 'Mechanical Ventilation – Basics & Beyond' on 9th October 2023.
- Participated and contributed to the Live Operative Workshop on FESS conducted by Department of E.N.T. on 30/3/2023.

● DEPARTMENT OF ANATOMY :

Teaching and evaluation of 1ST year M.B.B.S., F.Y. Physiotherapy, F.Y. Occupational Therapy, post graduate students of L.T.M.M.C. in Anatomy. Teaching of F.Y. B.P.M.T., and Diploma Nursing students of L.T.M.G. in Anatomy. Department of Anatomy accepts dead Body donation for dissection and research purposes for 1st year M.B.B.S. students.

● DEPARTMENT OF BIOCHEMISTRY :

Biochemical investigations are carried out using fully automated clinical biochemistry Immunoassay & blood gas analysers. Investigation like L.F.T., R.F.T., Calcium, Uric acid, amylase are analysed for intensive care areas. The total number of tests during 2023 in Biochemistry Clinical Laboratory was 7,19,680 and in Emergency Laboratory was 6,61,695.



Investigations like Blood sugar, Serum electrolytes, Lipid Profile, L.D.H., Fluid and Urine Biochemistry along with special investigations like V.M.A., Ammonia, Lipase, C.R.P., Serum Iron, Serum Ferritin, Unsaturated Iron Binding Capacity, Magnesium, ADA, Lactate, Amylase were also done for all the patients (indoor and outdoor). Thyroid Function tests are also carried out to check the functions of thyroid gland.

The department clinical laboratory is N.A.B.L. Accredited for 33 Biochemistry parameters from 13.09.2021. This laboratory has strict quality control measures & follows External Quality Control Programme.

Department had organized 3rd All India National Level Intercollegiate Biochemistry UG Quiz – Energetics 2023 in which LTMMC won the 1st & 2nd prize.

This department also conducted national conference “30th ANNUAL CONFERENCE OF ASSOCIATION OF MEDICAL BIOCHEMISTS OF INDIA 2023” and TEN WORKSHOPS on different topics from 13th to 16th December 2023. More than 500 delegates across India, attended the conference.

The students of courses MD, MBBS, BOTH, BPTH, BPMT, DMLT of MUHS are trained in the department. Ph.D. (Medical Biochemistry) by MUHS has also been started & at present five students are registered this course. Various research projects are also conducted by the faculty members.

● DEPARTMENT OF CARDIOLOGY :

The Department of Cardiology was established in 1975-76. The Department has been a pioneer in many fields like Primary Angioplasty in Myocardial Infarction (P.A.M.I.), Trans Catheter Indian Society of Aortic Valve Replacement (T.A.V.R.) and Atrial flow regulator, etc. Indian Society of Electrocardiography (I.S.E.) was established in Sion 20 years ago. Presently, the Department has a fully equipped I.C.C.U., which provides acute care for all cardiac emergencies. Cardiology O.P.D. is held twice a week in L.T.M.G. Hospital, Sion. The Department also conducts non invasive and non-invasive cardiac procedures like 2D & 3D colour Doppler Echocardiography & Trans Esophageal Echocardiography & Computerised Stress Test and P.C.I. while also being involved in various clinical trials. The new “State of the Art” flat panel cardiac catheterization lab was installed on 31st October, 2018, where all types of diagnostic & therapeutic cardiac procedures like Angioplasty, Valvuloplasty, diagnostic and therapeutic interventions for Congenital Heart Diseases and Pacemaker implantation etc. are routinely done. The department also provides highly specialised arrhythmia clinics, Electrophysiology Studies and Radiofrequency Ablation services by world renowned faculty.

● DEPARTMENT OF CARDIOVASCULAR & THORASIC SURGERY :

The C.V.T.S. dept. deals with paediatric and adult cardiac surgeries including open heart surgeries like valve replacement and coronary artery bypass grafting etc. and paediatric cardiac surgeries for cyanotic and acyanotic congenital heart diseases. Also it caters to various vascular emergency surgeries like that involved in trauma and thromboembolism. The dept. conducts various thoracic surgeries like decortications, lobectomy, pneumonectomy and cyst excision in both adult and paediatric patients and cases referred from chest medicine dept. Patients requiring dialysis undergo A. V. fistula surgery.



- **DEPARTMENT OF COMMUNITY MEDICINE :**

- A) TEACHING AND TRAINING -**

Department of Community Medicine conducts undergraduate teaching for 1st, 2nd and 3rd M.B.B.S. students. Post graduate and Undergraduate Students are being taken to various places of public health importance. Teaching and Training of B.P.Th., B.O.Th., B.P.M.T., Nursing students & also the M.S.W. students is conducted. Apart from this, Family adoption program has been started for first year M.B.B.S. students.

- B) N.C.D. CLINIC -**

N.C.D. clinic was established in the ground floor of the O.P.D. building and later it was further extended to as a part of the passive surveillance for N.C.D.s by B.M.C.

- C) INTEGRATED DISEASE SURVEILLANCE PROJECT (I.D.S.P.) -**

Under this project, cases of monsoon related illnesses namely, Malaria, Leptospirosis, Dengue, Fever, ARI, Cholera & Gastroenteritis are reported on a day-to-day basis from IPD, OPDs and Labs of the hospital. I.D.S.P. played a crucial role in Covid -19 disease and Mucormycosis reporting. Total of 8,501 M.R.D. cases and 80 deaths were reported in the year January 2023 to December 2023.

- D) URBAN HEALTH CENTRE, DHARAVI -**

There are various O.P.D.'s running in Urban Health Centre, Dharavi namely – General O.P.D., Paediatric O.P.D., Paediatric Immunisation O.P.D. and Growth and Development Clinic. 27,698 patients were examined and treated in General O.P.D. and 3,994 children were treated in Paediatric O.P.D. Various Health Programs such as N.T.E.P., N.A.C.O., U.I.P. are implemented. Our Immunization Clinic was successful in immunizing 3,783 children and out of which 1,817 children were completely immunized.

- E) RURAL HEALTH TRAINING CENTRE, VASHIND -**

Our R.H.T.C located at Vashind is a training center for the undergraduates, postgraduates, of both medical & paramedical staff. It works in collaboration with the existing P.H.C. staff. P.M.S.M.A. (Pradhan Mantri Surakshit Matrutva Abhiyan) camp is organized on 9th of every month at R.H.T.C., Vasind, as a part of community outreach activity.

- F) OUTREACH ACTIVITY -**

Several outreach camps are organized by the Department involving Doctors from various Departments depending upon the beneficiaries. School Health Camps are organized with various public and private schools.

- G) SPECIAL ACTIVITIES -**

Quiz Competition on Tuberculosis by I.A.P.S.M. was conducted in our Institute for the undergraduate students by Community Medicine Department and the winners were awarded with prize. Monsoon Preparedness Training Programme 2023 was organized. Training on Facility based Management of Severe Acute Malnutrition was given to the Resident doctors.



- **DEPARTMENT OF GASTROENTEROLOGY :**

This department specialized in the clinical evaluation, diagnosis and treatment of the diseases of the digestive tract, liver, biliary system and pancreas along with endoscopies.

- **DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY :**

The Department of Obstetrics and Gynecology of L.T.M. Medical College & General Hospital had annual deliveries of more than 8,000 last year. Apart from routine gynaecology care, department has started wide range of health services to the women of all strata like infertility, oncology, fetal medicine, geriatric care, live demonstration workshops for conventional and laparoscopic (minimal access) surgeries in gynaecology and obstetrics for U.G. / P.G. students and faculties has been started. Genetic clinic has started and is functioning. It is a proud moment for this hospital that this dept. is the first B.M.C. hospital to conduct more than 500 deliveries of Covid Positive mothers. A Covid ward for Covid Positive obstetrics and gynaecology patients is up and running. The FOGSI force workshop was conducted and a P.G.Crash Course was taken for all post graduate students and exam going candidates from all over the state.

- **DEPARTMENT OF MEDICINE :**

Medicine department is very important structure providing patient-centric care in multiple discipline. It is also involved in medical education of M.B.B.S, M.D. Medicine students, along with Physiotherapy, Occupational therapy, Paramedical technology and Nursing courses.

Daily in Medicine O.P.D., 400-500 patients are treated. Speciality O.P.D.'s like Diabetes. Endocrinology, Infectious Diseases, Hematology and Rheumatology provide services to nearly 250-300 patients per week. Senior citizen's OPD looks after around 45- 50 patients per week. ART centre for HIV provides services to 150-200 patients per day under Mumbai District Aids Control Society. U.H.C. Dharavi has a daily O.P.D. of 50- 60 patients / day and Indoor capacity of 50 male beds and 20 female beds which are fully utilized, Medicine department admits 70-80 patients daily which increases to about 120-130 patients daily during monsoon season. There were 30,020 Indoor patients this year including monsoon related illnesses like Malaria, Leptospirosis & Dengue. Adult patient of Thalessemia Major are given blood transfusions on O.P.D. basis in special Thalessemia Centre in conjunction with Pediatric Department. Yearly 1,200 critically ill patients are managed in M.I.C.U. Ward 7A is an additional 14 bedded Intensive Care Unit to manage serious patients requiring ventilator presenting to E.M.S. Special drugs available for Rheumatology O.P.D. patients like Infliximab, Rituximab are provided free of cost. Also Medicine Department actively thrombolysed stroke patients in E.M.S. in association with Neurology and Radiology department. In 2023, we thrombolysed stroke patients in E.M.S. in association with Neurology and Radiology department. In 2023, we thrombolysed 42 stroke patients in E.M.S.

- **DEPARTMENT OF MICROBIOLOGY :**

Department of Microbiology is N.A.B.L. Accredited Lab as per ISO15189:2012. We have processed 4,17,074 specimens in the year 2023.

- This department has latest testing facilities for infectious diseases.



- This department is part of MAHASAR- Maharashtra State Antimicrobial Resistance Surveillance,
- N.V.B.D.C.P.- Sentinel surveillance of Dengue & Chikungunya and State Reference lab -National Viral Hepatitis Control Program.
- This department has sterility testing facility for Milk Bank/Blood Bank/Skin Bank.

The Faculty of Microbiology published scientific articles in National/International Journals. The Department of Microbiology has Six ongoing research projects.

- **DEPARTMENT OF NEONATOLOGY :**

The Department of Neonatology looks after babies born in the hospital as well as those referred from other public and private hospitals for specialized care.

The 40 bedded Neonatal Care Unit offers specialized level IIIb care to sick and critically ill babies. The intensive care unit has facilities for Neonatal ventilation, high frequency ventilation, phototherapy, exchange transfusion and intensive monitoring of sick babies. The Department also runs a Human Milk Bank since the last 31 years that provides pasteurized human milk to all needy babies. We are a Zonal reference centre & research unit for Comprehensive Lactation Management Centre for west zone in the country.

- **DEPARTMENT OF NEUROSURGERY :**

The department continued with its core work of Neuro treatment, Spinal surgery and Brain Tumor work, however a significant emphasis is now shifting towards regenerative medicines (Stem Cell Therapy), Vascular Surgery, Neuro Endoscopy and Pediatric Neurosurgery and these areas for which we are now starting to get National and International recognition. This department is additionally supporting the H.B.T.H. Trauma Centre and Cooper Hospital in setting up their Neurosurgery Services.

- **DEPARTMENT OF NEUROLOGY :**

This department has been established as separate department and offers services such as E.M.G.-Nerve conduction studies, E.E.G., Intravenous Thrombolysis for stroke patients. The department has recently got recognition from D.N.B. council.

- **DEPARTMENT OF NEPHROLOGY :**

The Department of Nephrology provides Hemodialysis services to patients with acute kidney injury and chronic kidney disease. This department also run a Kidney Transplant Programme in L.T.M.G.H. We have 511 admissions last year in Nephrology ward in 2023. 06 live related renal transplants were performed. This department have running Hemodialysis services at 04 places in the hospital. The department has provided 6,300 Hemodialysis sessions in 2023. 1,000 H.D. sessions were given to critically ill patients in ward 35 and M.I.C.U. 127 Kidney Biopsies were performed in 2023. The Department has also provided plasmapheresis to patients with various Renal, Neurological and Rheumatological conditions in 2023. The Department of Nephrology runs 02 O.P.D., one for general Nephrology and another for transplant patients, 4,537 Kidney patients were benefited from O.P.D. services in 2023. Apart from clinical work, the Department runs an academic programme for 2 DrNB (Nephrology) students, post graduate Medicine students and undergraduate students as well.



- **DEPARTMENT OF OPHTHALMOLOGY :**

Diagnostic Services : Routine Eye check up, Refraction, Autorefractokeratometry, Fundoscopy (Direct and Indirect, 90 D lens), Tonometry (Schiotz and Applanation), Dry Eye examination, Lacrimal Sac Syringing, Slit lamp examination with imaging etc.

Surgical Services : Foreign body removal, Cataract surgery (Small Incision , Phaco-emulsification, Paediatric cataract), Glaucoma, Squint, Pterygium, Oculoplasty , Keratoplasty (Optical, Therapeutic, D.A.L.K., D.S.E.K., D.M.E.K.), Vitreoretinal Surgeries (Scleral buckle, Vitrectomy), Lacrimal Sac Surgeries Eyelid Surgeries.

Dermoid cyst excision, Wound exploration, Corneal / scleral tear repair, Intraocular Foreign Body Removal.

Speciality Services :

Cataract, Glaucoma, Cornea, Vitreoretina, Oculoplasty, Pediatric Ophthalmology, Retinopathy of prematurity screening, Emergency 24 hours services, Trauma management and Cornea retrieval center for 24 hours.

- **DEPARTMENT OF ORTHOPEDIC :**

The department of Orthopaedics was established in 1970. Initially, it started off with fifty beds and has since then progressed to become one of the premier centres for Orthopaedic surgery, not only in the city of Mumbai, but also in the entire country.

This department runs three Operation Theatres six days a week plus one emergency O.T. round the clock. The Orthopedic outpatient department caters to 350 patients per day on an average.

- Besides the general outpatient department, specialty clinics such as the Arthroscope & knee clinic and the spine clinic, Cerebral Palsy are also run by the department.
- In the year 2023-24 Orthopaedics department has treated 35,419 new patients and 21,460 old morning patients and old afternoon patients 28,832. Major operations were 3,325 and Minor 1,240 Implant surgeries were 2,056 and 4,269 were admitted.
- This department has received Robot for Arthroscopy by donation in year 2024.
- This department has started Endoscopic Spine surgery and operated 100 patients till date.

- **DEPARTMENT OF PATHOLOGY :**

Department of Pathology renders services through various laboratory like Hematology (The basic Hematology tests are NABL accredited since year 2021), Cytopathology, Histopathology , Autopsy and Postmortem Histopathology and Chemical Pathology .



Emergency Hematology lab runs 24 hours a day catering emergency patients. For cancer patients, advanced tests like immunoestochemistry & Frozen section facility is done. Chemical Pathology laboratory has acquired high end fully automated biochemistry analyser which has enabled to carry out biochemical tests at much faster rate (1,200 Tests per hour).

The blood centre of L.T.M.G.H. has one of the highest collection of Blood units i.e. 18,953 Blood units collected last year through 179 outdoor Blood donation driven & indoor blood collections. Uniquely, on International women's day, 130 fit women donated Blood at Blood donation drive at L.T.M.G.H.

Department of Pathology also conducts M.U.H.S. recognised fellowship programmes for post M.D. Pathology candidates in Gastropathology and Neuropathology specialities.

● DEPARTMENT OF PEDIATRICS :

The Department of Pediatrics had an extremely dynamic and a rewarding year 2023. The O.P.D. services (General & Specialty) saw a footfall of 23, 863 patients, apart from the 21,298 patients seen in the E.P.R. We managed a 5,582 inpatients, 486 of which required P.I.C.U. admission. 290 Pediatric G.I. endoscopies and 18 Pediatric Bone Marrow Transplants were performed.

Many faculty members held prominent positions, efficiently handling the associated significant responsibilities.

The Department organized a multitude of Scientific programs and Special Activites – notable among which are the following :

- 1) 11th D.A.F.P.A.L. C.M.E. on Pediatric Pulmonology – Organizing Chairperson.
- 2) 2nd Pediatric Endocrine CME has been Organized.
- 3) Workshop on Pediatric Emergencies organized by the P.I.C.U. team as a part of Trinity 2023.
- 4) Complementary Feeding Day celebration and World A.I.D.S. Day activity & 'Anand Mela' for patients and parents.
- 5) Many faculty members were invited as speakers across various zonal, national and international conferences. The publication by Various faculty members in national and international journals totaled to 18, most of them being original research articles. Ongoing research work continued with enthusiasm throughout the year, with faculty members undertaking a number of research projects apart from the PG dissertations.
- 6) A number of prizes were won by faculty members and students at the Annual Scientific Meet of the S.R.S.

● DEPARTMENT OF PHYSIOLOGY :

The Department of Physiology is mainly involved in teaching the 1st year M.B.B.S., B.O.Th., B.P.Th., B.P.M.T. and Nursing students and conducts regular lectures, practical's tutorials and seminar for them and assesses them regularly. The



department also conducts teaching and seminars for postgraduate students. It conducts classes for third year B.O.Th. students. Faculty participates in different faculty development work. The department conducted sessions & lectures during Foundation course, accomplished C.A.P. - Central Assessment of papers Compiled Institutional Data for India Today 2023 of the whole institute & conducted various online & offline sessions to accomplish academic excellence.

Guiding U.G. student for I.C.M.R.- S.T.S. projects. Guiding post M.B.B.S. students is various projects. Monitoring elective students of IIIrd year M.B.B.S.

● **DEPARTMENT OF PHYSIOTHERAPY :**

This department renders patient-care services to all indoor areas including all intensive care units, and also offers O.P.D. based services to patients with any musculo-skeletal, Adult & Paediatric Neurological and Cardio-Pulmonary Dysfunctions, with speciality services to patients with hand injuries. The department also has specialized O.P.D. for Pelvic Floor Dysfunctions in males, females and children, patients with Occupation related injuries and also geriatric persons.

Bachelor's, Master's and Ph.D. programmes affiliated to Maharashtra University of Health Sciences are also conducted in the department.

● **DEPARTMENT OF PLASTIC SURGERY :**

- Plastic Surgery O.P.D. runs 3 days a week with footfall of around 100 to 120 patient every O.P.D.
- This department has specialised O.P.D, including Hand O.P.D., Cleft & Craniofacial O.P.D. & Cosmetic Surgery O.P.D.
- This department has launched Telemedicine O.P.D. Services through Google Meet from July 2023.
- This Department operates around 3,000-3,500 Routine & Emergency cases every year including Trauma, Cancer reconstruction Cleft & Craniofacial Surgery, Cosmetic Surgery, Hand Surgery & Gender reassignment Surgery.

● **DEPARTMENT OF PSYCHIATRY :**

The following services are provided by this department.

- 1) **O.P.D. & I.P.D. Services :** About 200 to 250 old patients and approximately 30-35 new patients are assessed, evaluated and treated under Senior supervision on a daily basis in the O.P.D. Department also provides indoor treatment facilities through Male ward (18 beds), Female ward (09 beds) and Pediatric ward (04 beds).
- 2) **Community Outreach Services :**
 - i) To visit the Kasturba Beggar's Home, Chembur.
 - ii) Conducting Dementia camp with Shield Foundation in Dharavi.
 - iii) Visit to Vatsalya Trust.



- iv) Visit to Shraddhanand Mahila Ashram.
- v) Visit to Grace Foundation.
- vi) V.V.F. Camp
- 3) **Child Guidance Clinic (C.G.C.)** : about 12-15 patients (up to the age of 14 years) are assessed and evaluated every day in C.G.C.
- 4) **Electroconvulsive Therapy (E.C.T.)** : Modified E.C.T.S. under general anesthesia are given to both patients and out-patients on daily basis.
- 5) **Ketamine Therapy** : Intravenous and Oral Ketamine Therapy is given to patients as required.
- 6) **Other Brain Stimulation Therapy** : Brain Stimulation Therapies like Cranial Electrotherapy Stimulation (C.E.S.) and Transcranial Direct Current Stimulation (T.D.C.S.) are given to O.P.D. patients as required.
- 7) **E.E.G. Services** : About 3-4 elective E.E.G.'s are done daily in the department. The department provides mobile E.E.G. services to non-ambulatory patients in the hospital wards, I.C.C.U., M.I.C.U. and I.R.C.U. The department is on the verge to start the 'Video-E.E.G.' services for all the patients at affordable rates.
- 8) **Medicines at Concessional Rates** : The department has poor and needy patients by providing psychiatric medicines at concessional rates through assistance of N.G.O.'s like 'Sunday Friends'.
- 9) **Psychological Testing and Assessment / Counselling Services** : The department has a Clinical Psychologist, who does IQ testing and various psychological tests (R.O.R., M.M.P.I., T.A.T., C.A.T. etc.) for psychiatric patients as well as patients referred from other departments of the hospital or other institutions. A Psychiatric Social Worker (P.S.W.) provides counselling to the patients and their relatives as and when required in the O.P.D.
- 10) **Social Awareness Programs / Seminars** : The department holds social awareness programs for the general population, school and N.G.O.s whenever required in relation to awareness regarding Schizophrenia, Children related issues, awareness regarding domestic violence, etc.
- 11) **Clinic for Clients with Gender Identity Issues** : The department has started a special clinic for clients who have gender identity disorder and other issues related to their gender, which involves assessment and certification of such clients along with therapy and counseling.
- 12) **Academic Activities** : The department also conducts academic lectures for undergraduate students, Nursing and O.T. / P.T. students of the institution. Department has initiated an online lecture series named "Mind and Learning" for PG students and practicing psychiatrists which can be attended free of cost from all over the world.
- 13) **Research Activities and Publications** : Department is conducting various research activities and publishing articles on regular basis.



- **RADIOLOGY DEPARTMENT :**

The Radiology department currently boasts of three fully functional multislice C.T. Scan machines (two 160 Slice multidetector C.T. scanner and third 16 slice multidetector C.T. scanner), two 3 Tesla M.R.I. Scanner, a Biplane D.S.A. Machine, more than 10 High end grey scale and Colour Doppler machines, C.R. and D.R. Machines, Digital Mammography Machine, and multiple portable X- ray and U.S.G. Machines. A proposal has been made for third M.R.I. Machine.

In U.S.G., the department is performing procedures like fetal 2D echo, Contrast enhanced ultrasound and Doppler. In C.T., imaging the coronary Circulation, Calcium scoring. Virtual imaging like C.T. bronchoscopy and C.T. Colonoscopy, doing C.T. perfusion in hyperacute stroke to select patients for thrombolysis. In Interventional Radiology vascular and nonvascular interventions and biopsies are performed. Every year 10 M.D. Students, 03 DMRD, 07 Fellowships, and 08 BPMT Radiography students study in this department.

In the year 2023, 1,50,753 X-Rays, 65,008 U.S.G., 9,203 Colour Doppler, 32,992 C.T. Scans, 9,364 M.R.I. Scans, 76 Mammography and 3,110 Interventions (including D.S.A. and U.S.G. guided procedures) were performed.

- **DEPARTMENT OF RESPIRATORY MEDICINE :**

The Department of Respiratory Medicine operates a comprehensive care facility, boasting a 12-bed Intensive Respiratory Care Unit and a 28-bed Respiratory ward. These units specialize in managing a diverse range of respiratory conditions such as COPD, Asthma, Interstitial Lung Diseases, Occupational Lung Diseases, Pleural Diseases, A.R.D.S., as well as cases like Hanging, drowning & Tetanus. Additionally, they offer both inpatient and outpatient respiratory care services along with Tuberculosis Service.

The Department is proficient in conducting interventional procedures including Bronchoscopy, Thoracoscopy, image- guided Thoracocentesis, and biopsies. Moreover, it houses state of the art facilities such as a pulmonary function test lab and a Polysomnography lab, ensuring comprehensive diagnostic capabilities.

Staffed by a highly qualified team, the department comprises four faculties, four senior residents holding postgraduate qualifications, two post-P.G. fellowship candidates, and twelve M.D. resident doctors. This collective expertise ensures the delivery of top-notch care and treatment to patients with respiratory ailments, prioritizing both medical excellence and patient well-being.

- **DEPARTMENT OF SURGERY :**

We treat about 80,000 patients in O.P.D., perform about 6,000 major and 13,000 minor surgeries each year.

- Minimal access Surgery : We are routinely performing 800 basic and 150 advanced laparoscopic surgeries each year.
- Endotherapy Clinic : We perform 3,000 diagnostic and 2,500 therapeutic endoscopies each year.



- Cancer Chemotherapy Clinic : Conducted every Tuesday we offer consultation, day care chemotherapy and indoor chemotherapy services.
- Burns: Specialized burns ward takes care of all female and paediatric burns patients.
- Trauma : This department receive 3,000 major trauma patients annually and they are treated with multi disciplinary approach with general surgery department leading the team.
- Venous Clinic : This service detects and offers treatment with regular follow up to patients of varicose veins. 1,000 new patients are seen with 300 being offered Endovenous Therapy.

● DEPARTMENT OF GASTROINTESTINAL SURGERY :

The Department of Surgical Gastroenterology & GI- HPB Oncosurgery has been providing advanced Gastrointestinal and Hepato- Pancreatico-Biliary Surgical services to the numerous needy patient coming to our esteemed hospital. It has Performed more than 150 major GI-HPB Surgeries and provided O.P.D. services to more than 1,200 patients in the year 2023-2024.

- This department has performed numerous Advanced laparoscopic surgeries including :
 - ❖ Laparoscopic Colo-rectal Surgery for Cancer & Benign conditions
 - ❖ Laparoscopic Pancreatic Surgery for Cancer & Benign conditions
 - ❖ Laparoscopic Sex Re-Assignment Surgery
 - ❖ Laparoscopic Upper GI Surgery for G.E.R.D. & Achalasia
 - ❖ Even V.A.T.S. (Video- Assisted Thoracoscopic Surgery) for esophageal tumours.
- This department has performed numerous GI-HPB Cancer surgeries.
- This department has also performed Abdominal Wall Reconstructuin (AWR) for complex hernias.
- This department conduct GI-HPB Cancer surgery O.P.D. every Saturday.
- This department is equipped to provide the best advance super specialty GI and HPB Surgical care and also provide super specialty DrNB training for interested and meritorious Surgeon candidates.
- Departmental Faculty have been invited as Faculty for various conferences
- Currently the Department is conducting 02 Research trials, one on Narcotising Pancreatic & the other on Bile Duct Injury.

● DEPARTMENT OF UROLOGY :

Urology department at L.T.M.G. Hospital is one of the oldest Urology departments in Mumbai. This department is very active in providing advance treatment techniques to Kidney disease patients. Also, Live and Cadaver Kidney transplant are successfully done regularly.



Majority of procedures in Urology are done endoscopically in this department (Endourology, Laparoscopic Urology, Laparoscopic Donor Kidney Treatment etc.). Other Diseases like Kidney Diseases (Stone, Cancer) Urinary Bladder & Prostate Diseases (Cancer, Stones, B.P.H.) also treated regularly. Modern techniques like LASER, U.D.S., R.I.R.S. and E.S.W.L. are available in our department. Andrology O.P.D. is also there.

● DEPARTMENT OF PHARMACOLGY :

Teaching and evaluation of students of 2nd year M.B.B.S., 2nd Year Physiotherapy, 2nd Year Occupational Therapy, 2nd year Nursing and B.P.M.T. students. Teaching & Training of post graduate students of the L.T.M.M.C. in Pharmacology. This department has Pharmacovigilance centre for adverse drug reaction monitoring. It also has the Central Animal House.

● DEPARTMENT OF DERMATOLOGY :

Clinical Work :

- In the period of January 2023 to December 2023, the Department of Dermatology has provided its services to over 81,000 patients on O.P.D. basis and 113 patients on IPD basis.
- Conducted special O.P.D.'s for Hair, Vitiligo, Psoriasis, Acne/Melasma. The Hair O.P.D. alone has a patient load of 12,480 patients this year.

Hair Transplant Workshop - An unmatched learning experience for enthusiastic dermatologist that had flown in form over the country conducted in this department.

● Dentistry Department :

- This department is providing state of the art Dental treatment in our Dentistry Department. Apart from U.G. Clinical teaching, provide various dental procedures like Dental Extractions, R.V.G. X-Rays, Minor Oral Surgeries, Dental filling, Root Canal Treatment (R.C.T.), Crowns and Bridges.
- Dental implants and Full Mouth Rehabilitation (F.M.R.) cases are being routinely done. Last year this department performed close to 800 Dental fillings, 750 R.C.T.'s, 800 Dental crowns and 90 Dental Implants.

● Paediatric Surgery :

The department entered its 34th year in 2024.

The department conducts O.P.D.'s in O.P.D. 07, Room No.13 on alternate days. On Friday a special follow up O.P.D. is conducted. Patients who have undergone major surgeries or are being planned for major surgery are reviewed and discussed.

Linkage O.P.D. started by Dean (L)'s order to Rajawadi Hospital ,Shatabdi Hospital, Govandi from February 2018 and new O.P.D. started at Cooper Hospital on Saturday. In addition to this, emergency patients being referred from the casualty department are catered to 24 x 7.



Special Spina Bifida O.P.D. is conducted on Thursday morning at 11.30 am.

Special Antenatal clinic is conducted on Tuesday at 1.30 pm.

The department runs three operation tables in the Paediatric surgery operation theatre.

Total Number of Supra Major surgeries in 2023 was 110, Total Major Surgeries was 1,498 & total minor surgeries perform was 1,767.

This department cater to all weaker socio-economic status patients all over the state of Maharashtra.

• **Academic Activities :**

The department is currently training 12 students from Maharashtra University of health sciences for M.Ch. (Paediatric Surgery). Super Specialty bonded candidate 06, Registrar 12.

● **DEPARTMENT OF OCCUPATIONAL THERAPY :**

This department provides Routine services through Ergo Therapeutic Intervention & Rehabilitation to O.P.D. patients, I.P.D. and Intensive Care Units (I.C.U.'s).

- Special services such as Disability evaluation and Work-Fitness assessment and training for Neuro- Medicine, Musculoskeletal and Psychiatry patients. Cognitive assessment and rehabilitation for Neuro-Medicine and Surgical patients.
- Community Based Rehabilitation at UHC- Dharavi along with home based rehabilitation program for geriatric population in community.

● **FORENSIC MEDICINE :**

A) ROUTINE ACTIVITIES :

- Effectively taking undergraduate lectures, practical as per M.U.H.S. syllabus via offline mode.
- Conducting Medicolegal Post Mortem as per Cr. P. C. maximum by any Medical College of Mumbai.
- Total 2,030 numbers of postmortem conducted in the year 2023.
- Total 422 cases of sexual assault examined (Victim- 189 & Accused- 133) in the year 2022.
- Total 197 cases of Age examination done.
- Conducting terminal exams and M.U.H.S. University exam as M.U.H.S. guidelines.

B) SPECIAL ACTIVITIES :

- Providing guidance in medicolegal matters to Doctors from clinical wards.
- One Stop Help Center for examination of survivors of sexual violence.
- Forensic odontology unit for cases dealing with dental examination.



- **DEPARTMENT OF E. N. T. :**

The E.N.T. department of Sion hospital is a tertiary referral centre where complex and difficult cases are referred from all over the country. There is also a huge workload of routine cases approximately 175 -200 patients are treated in the Outpatient department (O.P.D.) every day. The Operation theatre is also functional every day with 7-10 major and minor operations being conducted daily. Emergency Operations are done 24 hours.

- **ACCIDENT & EMERGENCY MEDICAL SERVICES DEPARTMENT :**

Emergency Medical and Surgical Services Department (E.M.S.) has completed 21 successful years of service towards rendering immediate treatment to patients attending EMS Casualty and Operation theatres.

E.M.S. department is an integral part of the prestigious L.T.M.G. Hospital. Emergency services are rendered 24x7 to all the needy patients. L.T.M.G. Hospital being a Tertiary care Hospital, patients from all economic groups are given immediate treatment.

- Injection Penidura is also being administered to patients in EMS-Casualty.
- One Stop Help Centre for examination of victims of sexual violence has been started in EMS.
- Three ECG technicians have been deputed on contract basis in the EMS Casualty department. These technicians provide round the clock services.

- **LOKNETE EKNATHRAO GAIKWAD URBAN HEALTH CENTRE :**

Loknete Eknathrao Gaikwad Urban Health Centre Dharavi of L.T.M.G. Hospital is serving people. This year Dialysis Center has been started for benefit of patients.

This center has CT Scan, MRI, USG, 2DECHO on Public Private Partnership basis along with Xray and Lab services by Aapli Chikitsa. The center provide OPD and In patient service for benefit of patients and society at large.

V) SETH A. J. B. MUNICIPAL EAR, NOSE, AND THROAT HOSPITAL, FORT:

Seth A. J. B. Municipal E. N. T. Hospital situated on Maharshi Dadhichi Marg, Fort is a 100 bedded "Specialized Hospital" for the specialised treatment of Ear, Nose and Throat diseases since 1964.

The Out Patient Department is open daily except Sundays and Public Holidays. All types of Surgeries of Ear, Nose and Throat are undertaken here. Round the Clock emergency treatment facilities for Ear, Nose and Throat diseases are also available here. Comprehensive Audiology and Neuro-Otology tests are available in this hospital. The hospital also provides Pathology services and Radiological services. The hospital has an in-house pharmacy which prepares various Ear, Nose drops and preparations.

In the year 2023-2024, 1,05,510 patients were treated in the out patient Department and 1,997 patients were admitted in Indoor Patient department. Similarly, 1,476 Major surgeries and 482 minor surgeries were performed in the operation theatre of Seth A. J. B. Municipal Hospital.



VI) ANTI-T. B. SERVICES OF THE BRIHANMUMBAI MUNICIPAL CORPORATION

Group of Tuberculosis Hospital and City T. B. Control Programme

Group of Tuberculosis Hospitals, Sewree of the Brihanmumbai Municipal Corporation is the largest hospital in Asia. Patient with drug sensitive and drug resistant (MDR- TB) disease come to the said hospital for examination, treatment and admission.

- Pulmonary Rehabilitation Centre was started for cure of Tuberculosis patients and given chest Physiotherapy. Up till now 3,222 patients have been benefited.
- Alcoholic anonymous was started for T.B. Patients.
- Two Bio-Medical waste machines were installed to dispose Bio-Medical waste of the hospital.
- All the T.B. patients with HIV infection are treated in ART centre which was started on 14th August 2020.
- 24X7 digital X-ray facility.
- Seperate O.P.D. for Drug sensitive & Drug resistance patients functioning 24X7. Seperate ward for Drug sensitive & Drug resistance T. B. patients.
- 2 Bedded I.R.C.U. is functional at present. In next 2 to 3 months planning to start 10 bedded I.R.C.U. (intensive respiratory care unit)
- Upgraded laboratory (T.B. containment lab) increased capacity of Gen-expert testing from 8 samples to 16 samples. Now it is upgraded and for 3 anti T.B. drugs culture and sensitivity testing is done.
- 'Sakas Aahar' i.e. supplementary high protein diet for all G.T.B. hospital employees in three shifts to boost their immunity.
- Regular quarterly screening of G.T.B. hospital employees for detection of T.B. & other diseases like Diabetes & Hypertension.
- Non communicable diseases clinic (N.C.D.) is started for T.B. patients and their relatives.

STATISTICAL INFORMATION YEAR WISE

YEAR	OPD (NEW/OLD)	ADMISSIONS
2019	31,253	5,500
2020	21,637	3,605
2021	22,562	4,157
2022	21,939	4,095
2023	20,730	4,200



OPERATIONS

YEAR	MAJOR	MINOR	TOTAL
2019	09	719	728
2020	00	523	523
2021	00	614	614
2022	00	769	769
2023	04	1,071	1,075





Engineering Services





Water tunnel at Bhoiwada



Mithi river tunnel breakthrough



Engineering Services

1) City Engineer's Department :

City Engineer is a statutory post as per Section 74 of the Mumbai Municipal Corporation Act, 1888 as amended upto date. The prime duties of the City Engineer are as follows :-

1. The Recruitment, Transfer and Promotion of all staff in Engineering Department.
2. Empowered to appoint Municipal Junior Engineer (Civil / M. & E.), Sub Engineer (Civil / M. & E.), and Assistant Engineer (Civil / M. & E.) and Architect on permanent or temporary basis on the establishment of the City Engineer's Department subject to the conditions mentioned in the recruitment circular issued from time to time in respect of direct recruitment.
3. To determine qualifications for posts of Dy. Chief Engineer, Executive Engineer, Assistant Engineer, Sub Engineer, Jr. Engineer & Technical Assistant (Construction).
4. New Construction / Redevelopment of Municipal Buildings with execution of such building works included in 'A', 'B' and 'E' Budget excluding construction work related to Health department.
5. There is one section of Registration and Monitoring of Contractors of Engineer's Department. This Section looks after the work of Registration, Revalidation and Gradation of Contractors and also Rules of Registration.
6. Preparation of budget proposal of Revenue expenditure & Income as received from 24 Wards and departments under City Engineer.
7. For the staff working under City Engineer / Engineer Unit, City Engineer is competent authority to Penalize, Remove from Service, Increment stop, Suspend / Dismiss the staff who got punishment. To Remove / dismiss the administrative employees and Engineer Cadre working under City Engineer, subject to provision of section 83 of the M. M. C. Act., 1888 as amended upto date. City Engineer is Competent Authority, hence punishment orders of such employees are issued under the signature of City Engineer.

School Infrastructure Cell :

As per Hon. High Court's & Hon. Dhanuka Committee's recommendation School Infrastructure Cell was established since year 2008. Brihanmumbai Municipal Corporation owns total of 479 school buildings. Repair, Upgradation, Reconstruction and New Construction of B.M.C. school buildings is executed by Dy. City Engineer (School Infrastructure Cell) department. In the year 2023-24, total 20 nos. of reconstruction and new construction school buildings were handed over to education department.

Total 48 no. of repair works and 12 Reconstruction / New construction works are in progress in Dy. City Engineer (School Infrastructure Cell) department and same will be completed in stipulated time. Now, tenders for 15 repair works and 04 reconstruction works are invited by this department and work order for the same will be issued after receipt of administrative approval for same. Also, phase wise tenders for balance 64 nos. of school buildings will be invited in due course of time.

In the financial year 2023-24, Rs. 195.47 Cr. fund was utilised out of Rs. 226.10 Cr. i.e. 86.45 % Revised Estimate of 2023-24 provision.



2) Environment Department :

This department was established by Brihanmumbai Municipal Corporation (B.M.C.) in July 1976 headed by the Dy. City Engineer, to look into the aspect of Environment Management. Since 1994 the "Environment Protection & Promotion of Ecological Aspects" has become obligatory duty of B.M.C. as per section 61 (ab) of B.M.C. Act.

(A) Environment Section:

Under National Clean Air Programme, Air draft Action Plan has been prepared to improve the Air Quality of Mumbai City & brought to the level of Ambient Air Quality Standard, as per the guidelines of Central Pollution Control Board & Maharashtra Pollution Control Board & format provided by them, same has been approved by the C.P.C.B. on 24th October 2019. Being a co-ordinating agency, Brihanmumbai Municipal Corporation (B.M.C.) has informed all internal stake holders i.e. departments from Brihanmumbai Municipal Corporation (B.M.C.) & external stake holders to start the implementation of action points approved Air Action Plan. The Brihanmumbai Municipal Corporation (B.M.C.) departments such as Ch.E.(M&E.), Ch.E.(Roads&Traffic), Ch.E.(SWM), Ch.E.(D.P.), Executive Health Officer, Superintendent of Garden, Assistant Commissioners of all wards are the main internal stake holders responsible for implementing Air action plan. The R.T.O., Traffic Police, M.M.R.D.A., B.E.S.T., Railway, Metro Railway, M.S.E.B., Reliance, M.S.R.D.C., M.H.A.D.A., Transport Ministry, Petroleum Ministry, Mining Ministry are the external stake holders has important role in the action plan.

In the action plan the stress is given on widening of road, to reduce the Traffic Jam by removing the bottle neck, synchronization of Traffic, introducing Intelligent Traffic Management System, to control the air pollution in Bandra-Kurla Complex & Lower Parel area by reducing the vehicle emissions, to control the Air Pollution & subsequently Noise Pollution & concentrating on related abatement measures. This plan is time bound. The Grant in Aid of Rs.10 crore is sanctioned to Municipal Corporation under National Clean Air Programme. The Brihanmumbai Municipal Corporation (B.M.C.) has received the above amount. The Corporation has utilized the said amount for purchase of mechanical Road Sweeper. Installation of Traffic Synchronization system, erection of P.N.G. fuel based crematorium & creating public awareness.

To ensure the effective implementation of Mumbai City Air Action Plan prepared under National Clean Air Programme, the City level "Air Quality Monitoring Committee" is constituted. There are total Eight members in the Committee. The Hon'ble Municipal Commissioner of Brihanmumbai Municipal Corporation (B.M.C.) is the Chairman of the Committee.

The Committee is constituted of the members, such as Police Commissioner's representative, District's Collector representative, expert from NEERI Research Institute, Brihanmumbai Municipal Corporation (B.M.C.)'s Public Health Department Director, Regional Transport Officer, Representative of Industrial Institute & Regional Officer of Maharashtra Pollution Control Board. The said committee conducts a meeting every month and reviews the progress of National Clean Air Programme.

After proper utilisation of the N.C.A.P. fund for various clean air related projects, the 15th Finance Commission has disbursed funds to 'Million Plus Cities' for reducing Air



Pollution and improving the Air Quality Index (A.Q.I.) of the city. The fund is being distributed to the various urban agglomeration. Brihanmumbai Municipal Corporation (B.M.C.) is part of Greater Mumbai agglomeration along with 8 Municipal Corporations and Councils of the Mumbai Metropolitan Region. Brihanmumbai Municipal Corporation (B.M.C.) is the nodal agency for this agglomeration. In this, the agglomeration received total funds of Rs. 929 Cr. from the year 2020-21 to the year 2022-23. Out of this Mumbai Corporation received Rs. 620 Cr. For these years. To expedite the Govt. Of Maharashtra's Electric Vehicle policy and to improve Air Quality of Mumbai, 80% of this fund i.e. Rs. 494 Cr. were transferred to BEST Corporation for Electrification of its Electric Vehicle Bus fleet. The remaining 20% fund is being utilised by the Brihanmumbai Municipal Corporation (B.M.C.) to take up various projects for reducing Air pollution in Mumbai City.

Along with this fund, as per 15th Finance Commissions recommendation, Govt. of India has released funds to Brihanmumbai Municipal Corporation (B.M.C.) under the heading of "Conservation, supply & management of water & Solid Waste Management" under this the Brihanmumbai Municipal Corporation (B.M.C.) has received app. Rs.981 Cr. From the year 2020-21 to the year 2022-23. These funds are tied fund. Therefore, certain conditions are laid down by Govt. of India for taking up projects in field of drinking water, sewerage water disposal and Solid Waste Management. Accordingly, the projects are decided by the Brihanmumbai Municipal Corporation (B.M.C.) and the works are on going.

Apart from this, Brihanmumbai Municipal Corporation (B.M.C.) with help of World Resources Institute (W.R.I.) have drafted a Mumbai Climate Action Plan. Mumbai has become the first city in India to draft such type of action plan. With help of C 40 Cities Institution, Mumbai is planning to implement corrective measures to prevent 'Urban flooding'. This is to avoid, the parts of Mumbai getting submerged under sea by 2050. In this regard, Administrative Approval has been obtained to set a 'Climate Cell' in Brihanmumbai Municipal Corporation, comprising of experts in this field who would guide the Corporation regarding action to be taken.

In view of the air pollution experienced by the city of Mumbai for many days this year Brihanmumbai Municipal Corporation has formed a seven-member committee and with the help of experts from I.I.T. Mumbai, NEERI has prepared the Mumbai Air Pollution Mitigation Plan which has been sent to all ward offices for implementation. All ward offices are instructed to submit report of their actions in this regard on 5th and 20th of every month to AMC (W.S.). The above said Plan has been made available on website of Brihanmumbai Municipal Corporation for citizens to review. Also taking note of the fact that Mumbai was polluted due to the massive housing and various infrastructure projects that were going on in Mumbai, The Bombay High Court filed a case against the Maharashtra Government and Brihanmumbai Municipal Corporation To improve polluted air Brihanmumbai Municipal Corporation issued a circular stating 25 points on 25.10.2023. In order to check whether the circular is actually being implemented by the housing projects and infrastructure projects 2 to 4 groups were formed in each ward and was followed up, which helped the Corporation to achieve success in controlling the dust flying during construction. Same was adopting 'Deep Cleaning' cleanliness campaign was implemented in all wards and as a result of all this the quality of Mumbai Air has improved tremendously.



1) Noise Pollution Control

In the matter of public interest litigation No. 173/2010 filed by Mahesh Bedekar V/s. State of Maharashtra, as per the direction given by Hon'able High Court Bombay for the compliance of same, the NEERI has carried out the Noise Monitoring and Noise Mapping of 55 locations in Mumbai City. Noise Mapping Report prepared for Mumbai City, the NEERI has given recommendations & suggestions to control Noise Pollution in Mumbai City and identified the role of various Government/ Semi Government authorities to control Noise Pollution in Mumbai City.

As per directions of Member of Secretary of M.P.C.B. the Environment department of Brihanmumbai Municipal Corporation (B.M.C.) has written letters to various concern outside department/authorities and various concern internal department of Brihanmumbai Municipal Corporation (B.M.C.) to submit monthly report to Environment department about action taken for implementing the recommendations & suggestions made by NEERI. Thus Environment department is coordinating the activity in the subject matter. As per the directions in the NEERI report the Brihanmumbai Municipal Corporation (B.M.C.) has formulated the City Noise Pollution Control Committee, which will formulate the guidelines to monitor & control the Noise Pollution in the Mumbai City.

2) Silence Zones

For Brihanmumbai Municipal Corporation (B.M.C.), in the first phase Govt. of Maharashtra has declared the list of 110 silence zones vide state Govt. of Maharashtra extraordinary Gazette part 4 A No. 191 dt. 30th November 2017. The second phase list of 110 silence zones have been prepared and forwarded to all Assistant Commissioners of wards for verification. After verification the list will be forwarded to U.D.-II department of Maharashtra State to declare & notify the silence zones by State Government.

3) Air Pollution Prevention (A.P.P.) Charges

Brihanmumbai Municipal Corporation (B.M.C.) has introduced Air Pollution Prevention (A.P.P.) charges since 1st April 1978 on the basis of motive power used by industries in Mumbai. The Air Pollution Prevention charges of each Ward are collected by A. E. (Building & Factory) department of Ward Offices & amount from all Wards is credited to respective budget head of this department.

The rates of APP fee is not revised since 2009. Administrative Standing Committee resolution number 1024 dated 04.11.2022, an increase 189% in air pollution abatement charges has been sanctioned and an increase of 5% has been approved in every financial year after 2022-23. Therefore, the Municipal Corporation is expected to have an increase revenue of approximately 2 crore annually.

4) Legal Aspect

As per 74th amendment of the Constitution of India in 1992 (12th schedule) the Maharashtra State Government issued an ordinance amend Mumbai Municipal Corporation Act -1888 making "environment protection, promotion of ecology and urban forestry" as an obligatory duty vide section 61 (ab) in the year 1994 and under the section 63-B of Mumbai Municipal Corporation Act, 1888 'Environmental Status Report' is prepared and submitted every year before 31st July to the Corporation.



(B) Air Quality Monitoring and Research Laboratory sub department :

In the territory of B.M.C., Ambient Air Quality Monitoring and Research Laboratory has installed manually operated monitoring stations. From these monitoring stations the samples of various pollutants with the help of High Volume Samplers like Sulfur dioxide (SO₂), Nitrogen dioxide (NO₂), Ammonia (NH₃) & Suspended Particulate Matter (S.P.M.), temperature and relative humidity daily. These samples are analysed with the help of U. V. Spectrophotometer. Along with this analysis of Polynuclear Aromatic Hydrocarbons (Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo (a) anthracene, Chrysene & Benzo (a) Pyrene) extracted from suspended particulate matter are analysed with the help of Gas Chromatograph. Also the analysis of heavy metals [Arsenic (A.S.), Cadmium (Cd), Chromium (Cr), Copper (Cu), Iron (Fe), Nickel (Ni) & Lead (Pb)] extracted from suspended particulate matter are analysed with the help of Atomic Absorption Spectrophotometer.

The Air Quality monitoring is carried out as per the Central Pollution Control Board guidelines. Whenever the complaints are received from citizens, special monitoring is carried out and the reports are submitted to concerns.

In the financial year 2023-2024, the E-tender process for purchasing Spectrophotometer - 01 and High Volume Sampler (H.V.S. /Dust Sampler) - 05 machines has been completed by Air Quality Monitoring and Research Laboratory and work orders will be given for the purchase of these machines soon.

1) Mobile Van Monitoring Unit

In the territory of B.M.C. with the help of Mobile Van, monitoring is carried out at traffic junctions namely Wadala and Andheri. Similarly at the dumping grounds namely Deonar & Kanjur. The pollutants analysed are SO₂, NO₂, CO, O₃, PM₁₀, PM_{2.5}, Hydrocarbons etc. Whenever the complains are received from citizens, special monitoring is carried out with the help of Mobile Van and the reports are submitted to the concern authority. Result of pollutants are compared with standards set by Central Pollution Control Board (C.P.C.B.) and Monthly/Annual report is forwarded to Dy.Ch.Eng (Civil) Env/Ch. Eng (S.W.M.) and H.O.D., Environment Pollution & Research Centre (E.P.R.C.) department (K.E.M. Hospital).

2) SAFAR-Mumbai

The important project 'SAFAR- Mumbai' is a joint venture of BrihanMumbai Municipal Corporation (B.M.C.), Indian Meteorology Department (I.M.D.) Mumbai & Indian Institute of Tropical Meteorology (I.I.T.M.) Pune. Under SAFAR project various monitoring sites are installed at different places in the territory of B.M.C. viz. Air Quality Monitoring Stations (A.Q.M.S.) 09 nos. Automatic Weather Station (A.W.S.) 16 nos. & Digital Display Board (D.D.B.) 13 nos. Data received from 'SAFAR- Mumbai' is further analysed by Air Quality Monitoring and Research Laboratory. In this NO₂, CO, O₃, PM₁₀, PM_{2.5}, pollutants are included and monthly yearly report is submitted to concerned departments. Under 'SAFAR-Mumbai' program Status of Air Quality, Weather Forecast & Air Quality Index is now available to citizens on Mobile App namely 'SAFAR-Air'.

3) Environment Status Report

Under section 63-B of Mumbai Municipal Corporation (M.M.C.) Act, 1888 Environmental Status Report is prepared and submitted every year before 31st July to



the Corporation. Environmental Status Report for 2022-2023 is already submitted to the Corporation. The preparation of Environment Status Report for 2023-2024 is in progress.

In the year 2023-2024, the Air Quality Monitoring and Research Laboratory, Continuous Ambient Air Quality Monitoring Stations have been operationalized at 05 places in the Brihanmumbai Municipal Corporation jurisdiction, through which air quality status, air quality index etc. Information is becoming available to Mumbaikars. The Continuous Ambient Air Quality Monitoring Stations are connected to the servers of Central Pollution Control Board and Maharashtra Pollution Control Board and daily Air Quality Index (A.Q.I.) information is displayed on the website of Brihanmumbai Municipal Corporation.

(C) Civil Section :

Repairs work of SWM Staff Quarters are being carried out by Dy.Ch.E. (C) Environment department. In Mumbai City there are 46 Colonies for Conservancy Staff of Solid Waste Management department of Brihanmumbai Municipal Corporation (B.M.C.) where approximately 5,592 workers are residing. Repairs related works of the buildings from these colonies and Transport Garages Bldgs. as well as electrical works are being carried out by this section.

(D) Ashray Yojana Cell:

Brihanmumbai Municipal Corporation (B.M.C.) has proposed to redevelop the existing S.W.M. Conservancy Staff Quarters at 30 locations to provide approximately 27,900 service quarters of increased area (minimum 300 Sq. Ft.) to S.W.M. staff by using 4.00 F.S.I. under Ashray Yojana 11 transit camps situated in City and suburbs namely Rajwadkar Street, Palton Road, Walpakhadi, Siddharth Nagar, Mahim, Gautam Nagar, Kasarwadi, Yari Road, New Hasnabad Lane, P. L. Lokhande Marg, Lion's Garden had been handover to Head Supervisor (S.W.M.). Out of these 11 transit Camps 08 Transit Camps are demolished during redevelopment.

Redevelopment work at Cochin Street and Siddharth nagar, (Phase-I) (A-Ward), (E Ward) and Powell's Land (R/South Ward) are completed and these redeveloped places were handover to Head Supervisor (S.W.M.). The redevelopment works in the City of Phase-I of Tank Pakhadi in E Ward, Gautam Nagar in 'F/South' and New Hasnabad Lane in 'H/West' are in progress.

For the redevelopment at 30 colonies of conservancy staff quarters in City, Eastern & Western suburbs and to built 11,583 of 300 Sq. ft. staff quarters and 959 staff quarters of 600 Sq. ft., the contractors and Project Manager Consultants are appointed and work is in progress. At 23 sites out of the above mentioned 30, redevelopment work is taken up and at remaining 07 sites shifting of the tenants as well as obtaining sanctions, N.O.C.'S from various authorities are in progress.

3) Works attended by Chief Engineer :

(1) Chief Engineer (Storm Water Drains):

Mumbai is lined on the west by Arabian Sea and intercepted by number of creeks. The tidal variation is a major concern in the system of storm water drains (S.W.D.) to release rainwater as well as wastewater into sea. The present S.W.D. system in the Mumbai city area has Major Nalla of approx. 274 kms., Minor Nalla and



Road side drain of 637 km. and 2,181 km. respectively long and existing since 100 years. This network consists of underground drains, laterals and water entrances built on the basis of area and weather conditions. The old S.W.D. system is capable of handling rain intensity of 25 mm per hour at low tide with runoff coefficient of 0.50. If the rain intensity exceeds 25 mm per hour during high tide, there is always possibility of water logging in low lying areas of the city.

In practice, however, in addition to storm water, they also carry sewage overflow from septic tank, surface water, etc. The flow from the open S.W.D. is discharged either into nallahs, culvert, creek or sea. This open S.W.D. becomes an eyesore due to throwing of garbage by citizens especially in slum area and creates unhygienic conditions. Therefore, desilting is carried out through registered contractual agencies throughout the year. Due to existing inadequate Sewerage System the sewage is transported through road side open drain, underground Storm Water Drain. Consultant has suggested to prevent the sewage transportation through S.W.D. network. Under J.N.U.R.M. Sewerage Project Department has undertaken plan to separate the sewage flowing through S.W.D. network.

There are 82 major out-falls in city area which drain to Arabian sea directly, also 09 at Mahim creek and 07 at Mahul creek and 07 at Thane creek. There are 51 out-falls in western suburbs draining directly into Arabian sea while 14 drain into Mithi river which ultimately joins Mahim creek. In eastern suburbs, 25 out-falls discharge in Thane creek, while 04 discharge in Mahul creek. In suburbs and extended suburbs area, open S.W.D. are constructed on both sides of road.

Heavy rains in Mumbai city in June 1985 had resulted into flood like situation, which paralyzed the roads and railway traffic and there was heavy economic loss. In view of this, Corporation decided to carry out the study of the storm water drainage system in the city. A master project was planned to help to drain out Storm Water immediately and reduce floods. In the year 1989 M/s Watson Howksley International Pvt. Ltd. and their Indian sister concern M/s AIC was appointed as a consultant for this project. The consultants had inspected existing storm water drainage system and nallas, identified 121 catchments areas of the city and studied the deficiencies in cleaning and maintenance. They have also studied the preparation of map and its scale again. In the year 1993, to improve the storm water drainage system, they prepared a master plan, which is known as BRIMSTOWAD Master Plan. This plan suggested improvements in S.W.D. system with design criteria, of rainfall intensity of 50 mm/hr with runoff coefficient of 1.00.

The Government of India sanctioned a special grant of Rs. 1,200 Crores as per detailed project report submitted to Government of India to implement BRIMSTOWAD Project in year 2007. Out of these, B.M.C. has received Rs. 1,000 Crores till date.

Subsequently in the year 2005 Mumbai faced unprecedented rains on 26th and 27th July 2005 and 944 mm rainfall was recorded in one day. This resulted in the flooding, therefore, Government of Maharashtra had appointed a Fact Finding Committee to analyze the factors responsible for the situation that arose during July 26th and 27th, 2005 in Mumbai and to find out the remedial measures thereat, so as to avoid such incident in future. Based on the BRIMSTOWAD Master Plan Report and recommendations of Fact Finding Committee, the balance BRIMSTOWAD works for the improvement to the storm water drainage system are undertaken. As per suggestion of the Fact Finding



Committee, BRIMSTOWAD report is to be reviewed and upgraded for which Brihanmumbai Municipal Corporation (B.M.C.) has appointed M/s. MWH (I) Pvt. Ltd, as the consultant. The master plan is finalized by the consultant and same is submitted on 30.04.2018.

BRIMSTOWAD Project is proposed to be implemented in two phases. There are 20 works in Phase I and 38 works in Phase-II. The scope of the BRIMSTOWAD Project is as under-

1. Rehabilitation and augmentation of underground drains in city.
2. Construction of new drains in RCC.
3. Training of nallas in RCC M-40.
4. Widening and Deepening of nallas.
5. Construction of access road along the nalla.
6. Construction of Storm Water Pumping Stations.

Present status of the BRIMSTOWAD Project

Details	Phase-I				Phase-II			
	City	W. S.	E. S.	Total	City	W.S.	E.S.	Total
No. of the works	05	07	08	20	16	10	12	38
No. of the Completed works	05	07	07	19	14	05	07	26
No. of the works in progress	00	00	01	01	01	03	04	08
Tenders yet to be Invited/Tenders invited	00	00	00	00	01	02	01	04

Status of Storm Water Pumping Stations in Brimstowad

Sr.No.	Pumping Station	Status
1	Haji Ali	Completed and Commissioned in May 2011
2	Irla	Completed and Commissioned in May 2011
3	Cleavland	Completed and Commissioned in May 2015
4	Lovegrove	Completed and Commissioned in May 2015
5	Brittannia	Completed and Commissioned in June 2016
6	Gazdarbund	Completed and Commissioned in June 2019
7	Mogra	Contractor Appointed
8	Mahul	Tender Invited

Total expenditure incurred till April 2024 is approx. Rs. 2,541.37 Crores. However, due to increased width and depth of the drains due to change in design parameters, requirement of unconventional technology specially in tidal zone and passage of time—particularly due to encroachment issues, total financial requirement of the project has seen a substantial rise and additional funds to the extent of Rs. 2,700 Crores are required.



Environmental Aspect -

As regards cleaning and desilting of major nallas, is carried out every year, prior to monsoon within B.M.C. jurisdiction. The same are cleaned by specially appointed agencies. The work of desilting is carried out in phases. About 75% of the work is carried out before monsoon. 15% during monsoon and balance 10% post monsoon. Further, silt from all the water inlets are also removed.

The Desilting of the underground storm water drains is carried out by deploying sufficient machineries such as Firex, Suction, Recycling Machine, Jetting, Suction cum Jetting Machine in deep chambers, where man entries are prohibited. The road side drains are desilted by means of rodding and dredgers. J.C.B., Poclain, Pantoon Mounted Poclain, machineries are engaged for desilting of major nallas in suburbs.

Municipal Corporation has undertaken rejuvenation work of Dahisar, Poisar and Oshiwara River. Work of rejuvenation of Dahisar, Poisar and Oshiwara River is in progress.

The rejuvenation work includes widening of river, improvisation of quality of river water, preventing contamination of rivers caused from river catchment area, network of sewage disposal line, construction of service road for sewage water process stations, beautification of river bays / sides and installation of sewage water process station etc.

Development of Mithi River -

Govt. of Maharashtra vide GR No. MRD-3305/C.N. -109/UD-7 dtd. 19.08.2005 has formed 'Mithi River Development and Protection Authority' under the Chairmanship of Hon'ble Chief Minister of Maharashtra State for the effective implementation of Mithi River development Project. As per the said Government Resolution, out of total river length of 17 km, the development works for 11 km. length (between Filtarpada, Powai and C.S.T. Bridge, Kurla) have been carried out by Brihanmumbai Municipal Corporation (B.M.C.), whereas, the development works for remaining 06 km. length (between C.S.T. Bridge, Kurla and Mahim Causeway) have been carried out by Mumbai Metropolitan Region Development Authority (M.M.R.D.A.) In B.M.C.'s Jurisdiction part of Mithi River, widening and deepening work is almost completed except the stretch between Kula-Kalina Bridge and C.S.T. Bridge.

Till date, 92% of winding & deepening work and 93.5% of construction of retaining wall work have been completed for 17 km. long Mithi River, as a result two times the holding capacity and three times the carrying capacity of river has been increased. In order to control the Pollution Problem of Mithi River. Mithi River Pollution Control plan has been prepared. The plan is being carried out in 4 package between Filtarpada, Powai and Mahim Causeway.

(2) Chief Engineer (Sewerage Project) :

Chief Engineer (Sewerage Project) department is divided into Dy. Chief Engineer (Sewerage Project) Planning & Design Division and Dy. Chief Engineer (Sewerage Project) Construction Division.

The Sewerage System of Greater Mumbai is divided into seven Zones viz. Colaba, Worli, Bandra, Versova, Malad, Bhandup and Ghatkopar. In these zones the



work of laying sewer line by traditional method (i.e. Open Cut) & trenchless technology. Dy. Chief Engineer (Sewerage Project) Planning & Design undertakes the work of Planning and Designing new sewer lines in unsewered areas and upsizing of existing sewer lines wherever required by invitation of tenders. The laying of these sewer lines are carried out by Dy. Chief Engineer (Sewerage Project) construction division.

Revised provision of Rs. 600 Crores was proposed in the financial year 2023-24 out of which Rs. 336 Crores was allotted to department of Chief Engineer, Storm Water Drains Department as per directions of higher authorities.

As such the net amount left with department of Sewerage Project is Rs. 264 Crores out of which Rs. 204.37 Crores were incurred for ongoing works and completed works.

In this year 2024-25 Rs. 765 Crores were proposed for Sewerage Project Department out of which Rs. 342.72 Crores were allotted to department of Chief Engineer, Storm Water Drains Department as per directions of higher authorities.

(3) Chief Engineer (Sewerage Operation) :

Brihanmumbai Municipal Corporation's Sewerage Operation Department carries out operation and maintenance of Sewerline Network, Sewage Pumping Stations, Sewage Treatment Plant and Waste Water Treatment facilities in seven zones of Mumbai City. Sewage is conveyed through sewerline network which is laid underground and collected at satellite pumping stations and after treatment of the sewage by eight sewage treatment plants, the sewage is discharged in nearby sea / creek. Further, department's other major functions involves repairs and maintenance / rehabilitation of sewer lines. Moreover department has also installed small decentralized 'Sewage Recycling Plants' within the premises of sewage pumping stations, for the reuse of sewage water for non potable purposes. The department also provide and manage transport services to the Water Supply and Sewerage departments.

1. Sewerage Infrastructure:

- a. As part of the sewage conveyance system there are about 76,591 nos. of manhole and about 2,057 km. length of sewer network in Brihan Mumbai.
- b. There are 40 satellite sewage pumping stations of 3,790 M.L.D. capacity and 08 Terminal Pumping stations with installed capacity of 6,842 M.L.D. daily and around 1,445 M.L.D. of sewage is treated and disposed off.
- c. There are 08 Sewage Treatment Plants at Colaba, Worli, Bandra, Versova, Malad, Charkop, Bhandup and Ghatkopar. The sewage from Colaba is treated up to tertiary treatment, Worli and Bandra is treated up to pre-primary treatment and discharged in Arabian sea through deep Marine Outfalls. Sewage from Varsova lagoons is treated up to secondary treatment. Charkop S.T.P. is treated up to tertiary treatment. Malad is treated up to pre-primary treatment and disposed off in the Malad Creek while sewage from Bhandup and Ghatkopar Lagoons is treated up to secondary treatment and disposed off in the Thane Creek. The upgradation of existing treatment plants is undertaken by Mumbai sewage disposal Department and are scheduled to be completed in the year 2026-27. Therefore, till the completion of works of upgradation of existing sewage treatment plants undertaken by M.S.D.P. and



also to meet the stringent norms stipulated by Hon'ble N.G.T., the treated sewage at Ghatkopr, Bhandup, Versova and Malad is further treated by Bio-remediation technology and the treated sewage is discharged in Thane and Malad Creek. The treated sewage by Bio-remediation technology are meeting the norms stipulated by Hon'ble N.G.T. In addition tendering process is started for treatment of sewage at Worli and Bandra by Bio-remediation technology.

2. Systematic Cleaning of Sewerage Conveyance System :

Department has an annual systematic cleaning programme where desilting of sewer line is carried out and periodic inspection of sewer lines are done so as to maintain undisturbed sewage flow and avoid overflowing sewage from manholes. Taking utmost safety precautions, the work of desilting of sewer lines is carried out by 'mechanized' means to completely eliminate human intervention.

For effective functioning of sewer network works such as periodical inspection, removal of silt etc is carried out under systematic cleaning. The cleaning and maintenance of sewer lines is carried out in mechanized way without human intervention by using power Rodding Machines, Power Bucket Machines, Function machines, Jetting Machines, Recycler Machines, Grab Bucket Machines etc. existingly, there are 93 nos. of vehicles mounted machinery and 10 nos. of Quick Response Vehicles. Silt design units are installed at Dadar for City division and at Versova and Ghatkopar for Suburb division.

3. Attending Complaints Pertaining to Sewerage Conveyance System :

The complaints pertaining to sewerage system are attended and resolved round the clock by three control rooms, situated each at City, Eastern Suburbs and Western Suburbs and it is closely monitored by the administration on daily basis. The control rooms are equipped with power rodding machines and quick response vehicles. The complaints are attended within 24 hours.

4. Sale of Sewage to Industries for Re-use after Treatment :

The B.M.C. has permitted tapping of sewage from Municipal Sewerage Network to certain industries like M/s. Rashtriya Chemicals & Fertilizers for re-use and internal use on payment of necessary charges. This also generates revenue to the corporation and saves precious drinking water. Accordingly 45.4 M.L.D. sewage is supplied to M/s. Rashtriya Chemicals & Fertilizers (R.C.F.) at the rate of 25% cost of production of fresh water as approved by Corporation. The existing rate of sewage supplied to R.C.F. is Rs. 7.38 per KL.

5. Sewage Recycling :

This department has installed & commissioned small capacity S.T.P.s in the premises of sewage pumping stations for recycle and reuse of sewage for non- potable purpose at various locations described below.

- I) S.T.P. of 3 M.L.D. capacity based on soil Bio-technology is installed at Love Grove Pumping Station, Worli. The treated sewage is used for gardening purpose in L.G.P. and balanced is supplied to Wellington Sports Club Amateur Riders's Club at Rs. 20 per KL.
- II) 1.5 M.L.D. capacity S.T.P. is installed at Banganga Pumping Station and treated sewage is supplied to Rajbhavan at a rate of Rs. 3.27 KL.
- III) 0.3 M.L.D. capacity S.T.P. is installed at Dadar and treated sewage is used for gardening purpose at Pramod Mahajan Garden.



- IV) 0.5 M.L.D. capacity S.T.P. is installed at I.P.S. Bandra and the treated sewage is used for gardening purpose in pumping station.
- V) 06 M.L.D. capacity S.T.P. based on rotating bio-media reactor is installed at Charkop and the treated sewage is used for gardening purpose at Gorai dumping ground and gardens in nearby area.
- VI) 37 M.L.D. S.T.P. is installed at Colaba pumping station under S.B.R. technology and is in operation from April-2020. The part of the treated water 03 M.L.D. is proposed to be given to Indian Navy at the rate of Rs. 1/- Per 1,000 Ltr.
- VII) 15 K.L.D. capacity S.T.P. is installed at Sant Gadge Maharaj Pumping Station, Byculla and the treated sewage is used for gardening purpose at Sant Gadge Maharaj Garden.
- VIII) 10 K.L.D. S.T.P. is installed at Bhandup and the treated sewage is used for gardening in Bhandup pumping station.
- IX) 15 K.L.D. S.T.P. is installed at Ghatkopar and the treated sewage is used for gardening in Ghatkopar pumping station.
- X) 10.3 M.L.D. capacity S.T.P. is installed at Mahul S.T.P. and 06 M.L.D. treated sewage is supplied to H.P.C.L. at the rate of Rs. 8.72 per KL.
- XI) 02 M.L.D. capacity S.T.P. is installed at Videocon Atithi, Chembur and 0.5 M.L.D. of treated sewage is supplied to H.P.C.L.

6. Rehabilitation of Sewer Lines :

This department is carrying out work of rehabilitation of old dilapidated sewer lines and rising mains of pumping stations by trenchless technology to improve structural strength of sewer lines, hydraulic performance and enhanced useful life of sewer lines and rising mains. Presently, rehabilitation of 94 km of sewer lines has been completed. Also, tenders have been invited for the rehabilitation of 97 km of sewage lines and the works will be completed by 2027.

7. Recent Developments :

- I) Tenders have been invited for installation of odour control systems at various pumping stations.
- II) Tenders have been invited for the work of improvement of performance of pumping stations by using Artificial Intelligence.
- III) Tenders have been invited for maintenance of sewer lines with the help of vehicle mounted machineries under P.P.P. (Public-Private-Partnership) model.
- IV) Tenders have been invited for the work of diversion of dry weather flow into nallahs by installation of S.T.P. at the discharge points and installed vacuum sewer network.

(4) Chief Engineer (Mumbai Sewage Disposal Project) :

The Sewerage System of Mumbai is in existence for more than 130 years. The present system consists of collection, conveyance, treatment and disposal of sewage with 2,026 k.m. of Sewer Line, 74,682 Manholes, 40 Satellite Pumping Stations, 07 Terminal Pumping Stations and 07 Waste Water Treatment Facilities (W.w.T.F.). There are seven sewerage zones viz. Colaba, Worli, Bandra, Versova, Malad, Bhandup and



Ghatkopar. At Colaba the sewage is treated upto secondary treatment and released into the deep sea through marine outfall. There is facility of tertiary treatment at Colaba, Worli and Bandra sewerage zones are provided with Preliminary Waste Water treatment facility and effluent is discharged into deep sea through marine outfall. Versova, Bhandup and Ghatkopar sewerage zones are provided with preliminary treatment facilities and aerated lagoons and the treated effluent is discharged into creek. At Malad, the effluent is discharged into the Malad creek after preliminary treatment.

As a part of upgradation of WwTF the new Colaba WwTF having capacity of 37 M.L.D. is commissioned in April 2020 and put into operation. At present, 10 M.L.D. of treated waste water is available at Colaba WwTF for reuse.

Worli (500 M.L.D.), Bandra (360 M.L.D.), Dharavi (418 M.L.D.), Versova (180 M.L.D.), Bhandup (215 M.L.D.), Ghatkopar (337 M.L.D.) and Malad (454 M.L.D.) WwTFs will have preliminary treatment, secondary biological treatment and disinfection facilities. 50% of total plant capacity will have treatment upto tertiary level for reuse purpose. All the works have been started and are in progress. In January 2023, 08 M.L.D. Sewage Treatment Plant under Mithi River Package - 1 is commissioned and operation & maintenance of the same is started.

Beside this, following works are also in progress -

1. **Versova Sewer Tunnel** : The work of sewer tunnel of 2000 mm dia from existing Versova Pumping Station to New Versova Influent Pumping Station is in progress. The Length of Sewer Tunnel is 3.1 km. Physical progress is 98%.
2. **Mithi River Sewer Tunnel** : The work of sewer tunnel of 2600 mm dia and 6.7 km. length to carry dry weather flow from 'Bapat Nalla' and 'Safed Pool Nalla' upto Dharavi WwTF is in progress. Physical progress is 70%.
3. **Priority Sewer Tunnel - 1** : The work of sewer tunnel of 3200 mm dia and 5.9 km. length from Don Bosco School in 'R/Central' ward to New Malad Influent Pumping Station in 'P/North' ward by Segmental lining method is in progress. Physical progress of work is 42%.
4. **Priority Sewer Tunnel - 2** : The work of sewer tunnel of 2600 mm dia and 4.8 km. length from Goregaon Pumping Station to proposed malad Influent Pumping Station by segmental lining method is in progress. Physical progress of work is 17%.
5. **Malad Pumping Station** - Work of construction of 1580 M.L.D. capacity Malad Influent Pumping Station is in progress. Physical progress of work is 60%
6. **Versova Pumping Station** - Work of construction of 540 M.L.D. capacity Versova Influent Pumping Station is in progress. Physical progress of work is 73%.
7. **Bhandup Pumping Station** - Work of upgradation of Bhandup Pumping Station is in progress. Physical progress of work is 67%
8. **Ghatkopar Pumping Station** - Work of upgradation of Ghatkopar Pumping Station is in progress. Physical progress of work is 15%

After commissioning of these priority sewer tunnels Gorai Pumping Station, Charkop Pumping Station, Shimpoli Pumping Station, Malad Pumping Station and Goregaon Pumping Station will be decommissioned and expenditure on Operation & Maintenance of these pumping stations will be permanently saved. The incoming



Sewage flow to these pumping stations will be diverted to Priority sewer tunnel 1 & 2 and carrying capacity of sewage will be increased. Therefore sewage load in surrounding sewer lines in Borivali to Goregaon area will be decreased and capacity of sewer lines will be increased.

(5) Chief Engineer (Roads & Traffic)

1) Road Reforms :

About 2,050 k.m. of roads are maintained by Brihanmumbai Municipal Corporation. In Mumbai, the total length of the roads is 2,050 km. Out of which, 540.58 km. length is in City division, 999.47 km. length is in Western Suburbs division and 509.95 km length is in Eastern Suburbs.

D.P. road proposed in the D.C.P.R., 2034 of Brihanmumbai Municipal Corporation, are being developed on priority after acquisition of land by D.P. department. Considering the heavy traffic, Bottleneck, the R.L. of respective road is increased and Roads are widened as per recommendation of ward offices. In past the roads were improved mainly using Paver Blocks, Bituminous Concrete, Mastic Asphalt etc. In Mumbai roads are damaged due to the heavy rainfall in short period of time, density of traffic, movement of heavy vehicles, frequent trenching work by utility agencies. Hence in order to improve the road surface and make the road pothole free, Brihanmumbai Municipal Corporation has decided to improve all the roads in cement concrete. About 1,224 km. of roads / side strips are already concretised and work of concretization of 325 km. lengths roads is in progress through 04 tenders in phase - 1 and tendering process for concretization of roads in phase - II is in process. These tenders include the work of provision of utility ducts to lay utility cables, so as to avoid frequent trenching work. Rain water harvesting will be done by constructing chambers along roads. Due to the concretization of roads, all the roads will be pothole free, due to smooth traffic flow there will be saving of time and fuel, also due to traffic less smooth ride there will be remarkable improvement in health of commuters.

Cold mix is used to fill up the potholes on roads having width less than 06 mtr. during monsoon and mastic technology is used to fill up potholes on roads having width more than 06 mtr.

Eastern Express Highway and Western Express Highway, within Brihanmumbai Municipal Corporation jurisdiction are handed over to Brihanmumbai Municipal Corporation for repairs and maintenance work. The work of preventive maintenance and beautification of Highways is being carried out by Brihanmumbai Municipal Corporation.

2) Cement Concrete Roads :

In City division approximately 17 k.m. of roads were concretized in the year 2023-24. In City area, major roads such as Nanabhai Moos Marg 'A' ward and Sir Pochkhanwala Marg in 'G/South' ward and other major roads in city division have been concretized.

In Western Suburbs approximately 77 k.m. of roads were concretized in 2023-24. J.V.L.R. in 'K/East' and other important roads are concretized. Also work of Aarey Colony, Goregaon (East) is in progress.

In Eastern Suburb, approximately 28 k.m. of roads were concretized in the year 2023-24. In 'L' ward (1) Hall road from A. H. Wadia Marg to Sahara Medical having length of 590 mtr. (2) Nari Seva Sadan Road having length of 740 mtr. Road and other roads are completed in cement concrete.



Also work of P. Soman Marg, Vikhroli (West) and Vikhroli Slip Road leading to Vikhroli Station (East) having length of 500 mtr. Each and other roads are in progress.

Vikhroli slip road and other roads shall be completed in this Financial year i.e. 2024-25.

Traffic :

1) Traffic Engineering :

The work of Traffic Planning and Traffic Co-Ordination Department is carried out under the control of Dy. Ch. Eng. (Traffic) who work under Ch. Eng. (Roads & Traffic). The department approves the parking design required for the proposed development on private and government land through an online system. This office look after the matters pertaining to prescription of regular line of road under the Municipal Corporation Act, 1888 for widening of roads under the Municipal Corporation. Also, installation and maintenance of traffic signals on roads, installation of street name boards and directional boards, provision of traffic related facilities on roads, inviting tenders for operationalization of parking after the transfer of public parking to the Municipal Corporation. This department looks after the installation of various traffic amenities for smooth traffic movement, in co-ordination with traffic police.

This office prepares policy for providing street light on newly constructed roads as well as improvement of existing street lighting & making co-ordination with all Ward Offices to get the above works done through three service provider electric companies viz. BEST, Adani Electricity and M.S.E.B. Co. Ltd. The budget provision for the same is made by traffic department.

2) Parking Policy :

In order to avoid traffic congestion due to unauthorized parking on roads tender procedure has been initiated for execution of on-street and off-street parking schemes. Out of 69 pay & park schemes of roads contractors have been appointed for 63 sites to start Pay & Park scheme. Similarly out of 33 Public Parking Lot contractors have been appointed for 32 sites are in operation, which have been handed over to Brihanmumbai Municipal Corporation (B.M.C.) under DC Regulation No. 33 (24) of 1991 and Regulation No. 33 (18) of DPCR 2034. There are 29 nos. of amenity parking places handed over to Brihanmumbai Municipal Corporation.

3) Multilevel Robotic Car Parking :

The contractor has appointed for the 546 capacity of robotic multilevel parking at near Mumbadevi Temple in 'C' ward and the 475 capacity of robotic multilevel parking at near Central Matunga Railway Station in 'F/North' ward & 194 capacity of robotic multilevel parking at Flora Fountain (Hutatma Chowk) near Apsara Pen Shop. Also the tender procedure is completed and Letter of Acceptance is awarded to contractor for the capacity of 640 Four Wheeler & 112 Two Wheeler multilevel robotic car parking at Worli Engineering Hub in 'G/South' ward. Accordingly, parking capacity of around 1850 will be available in near future.

4) LED Lights :

Brihanmumbai Municipal Corporation (B.M.C.) has started the implementation of fixing LED street lights in 2023-24. There are about 1,41,145 Sodium Vapor Lamps in



Mumbai out of which 1,36,379 conventional lamps have been replaced by LED. It is proposed to complete balance 4,766 LED lights in Mumbai for year 2024-25. This causes more savings in energy bill. This savings in energy will go up as more lights will be converted to LED.

5) Traffic Signages :

Brihanmumbai Municipal Corporation has appointed contractor for modern signages with upgradation of signages in City, Western Suburbs & Eastern Suburbs for an amount of nearly 60 Crores each for the period of two years and the work is in progress.

6) Initiative on Road Safety & High Risk Intersection (Black Spots) :

As reported by the traffic police, 20 High Risk Intersections (black spots) in Brihanmumbai in 2022. For remedial measures of the said High Risk Intersections (black spots), Brihanmumbai Municipal Corporation is taking help of N.G.O., M/s. Bloomberg Philanthropies as a consultant. The aim is to review the High Risk Intersections (black spots) for conducting various engineering and traffic flow studies and to undertake appropriate engineering and planning interventions that can bear higher impact in saving lives on the road. Accordingly, N.G.O. and his partner has submitted the report to the Chief Eng. (Roads & Traffic). As per the said report, the concerned Deputy Chief Engineer (Roads) and concerned Ward Offices will take the necessary action on remedial measures. Also, in future, if traffic Police informed the High Risk Intersections (black spots), the same procedure will be followed to eradicate High Risk Intersections (black spots).

7) Area Traffic Control (ATC) :

At present 258 Signals in Greater Mumbai has already been converted into fully adaptive automated Signal System and are working satisfactorily. The maintenance of remaining 412 conventional system and 208 flashing beacons are being carried out.

(6) Chief Engineer (Bridges) :

- ❖ Borivali - Work of Construction of Bridge on Dahisar River at Shri Krishna Nagar is completed.
- ❖ The work of reconstruction of the Gopal Krishna Gokhale Bridge Phase - 1 at Andheri is completed.
- ❖ Lower Parel - Delisle Road Bridge work is completed.
- ❖ Andheri (East) - Teligali Flyover Bridge work is completed.

(7) Department of Chief Engineer (Mechanical & Electrical)

Chief Engineer (Mechanical & Electrical) Department carries out the works of planning, execution, supervision, servicing, maintenance and repairs of Mech. & Elect. plants, equipments, etc. at various installations / departments of the Corporation viz., Municipal Hospitals, Medical Institutions, Municipal Properties, Municipal Schools, Gardens & Play Grounds, Cemeteries etc. (except those under Budget 'G'). This includes installation of lifts, gas crematoriums, APC system for wood pyres, air



conditioning plants, providing play apparatus, fire fighting system, EPABX system, water filtration & purification plants in swimming pools, gymnasium equipments etc. The works of repairs and maintenance of water pump sets, A.C. equipments and plants, lifts at various institutions cemeteries and electric / gas crematoriums are also being carried out by this department. Besides these works, the work of providing computers for various departments including LAN wiring for providing connectivity with Worli Data Centre, is also carried out. As per directives given by The State Government of Maharashtra, works such as energy saving, energy audit, installation of solar powered lights and hot water systems have also been undertaken by this Department.

In addition to this, it is proposed to convert Air pollution control equipments comprising of scrubber, blower, chimney etc. with enhanced / smokeless systems in all crematoriums in consultation with M.P.C.B. Converting L.T. to H.T. network in phase wise manner is proposed in major hospitals which will save electricity expenses. Providing P.V. (Solar) lighting at terrace of Municipal Schools. Establishments to contribute in green energy mission and reduce carbon foot print is proposed. As per Electric Vehicle Policy framed by Traffic department, Chief Engineer (M. & E.) is to look after the Electric safety norms and the service provider needs to obtain N.O.C. from Ch. Engineer (M. & E.) department before setting up the E.V. Charging infrastructure. Also connection of Mahanagar Gas Pipeline at Mahalaxmi Dhobi Ghat is proposed.

(8) Conservancy Services

Solid Waste Management Department :

Swachh Bharat Mission 2.0 :

- ❖ Swachh Bharat Abhiyaan 2.0 was launched on 1st October 2021 by Hon'ble Prime Minister with vision of 'Garbage Free' cities.
- ❖ Since the Brihanmumbai Municipal Corporation is an important administrative mechanism for implementing Swachh Bharat Abhiyan joint efforts are being made to maintain cleanliness in the city with the co-operation of the State and the Central Government.
- ❖ Under the said campaign, the efforts and programs of the Solid Waste Management Department of the Brihanmumbai Municipal Corporation have been revamped to achieve the required level of cleanliness.
- ❖ The period of Swachh Bharat Abhiyan 2.0 is from 01 October 2021 to 1st October 2026. The objective mainly include segregation of waste at household level, scientific treatment of old accumulated waste (legacy waste), Aspirational toilets, 100% sewage management collection / disposal / processing etc.
- ❖ Rs. 1,162 Crore proposal under Swachh Bharat Abhiyan 2.0 has been approved for treatment of old accumulated waste (legacy waste) at Mulund and Deonar. In this, apart from the Municipal Corporation's share, the Central Government's Rs. 290.55(25%) Crores and State Government Rs. 406.77 (35%) Crores totalling Rs. 697.32 Crore share will be received. Out of Rs. 697.32 Crore share Rs. 139 crores received & Rs. 56.5 Crores utilised for Mulund legacy waste binging.



- ❖ City Sanitation Action Plan of Mumbai is approved which will include 15,000 community toilet seats, 400 Aspirational toilets for floating population, 4,672 Individual Household latrine & 500 urinals in Mumbai under Swachh Bharat Mission 2.0.

Cleanliness Fortnight :

- ❖ As per the directives of the Central Government various activities like 'Indian Swachhta League 2.0', 'Swachhata Suraksha Shibir' were undertaken from 17th September to 02nd October 2023. On 17 September 2023, a special beach cleaning program was conducted in Mumbai.
- ❖ On 01st October, people were encouraged to dedicate an hour to cleanliness in Mumbai from 10 a.m. to 11.00 a.m. in the program of "Ek Ghata Ek Tariq". The program received huge response by bringing together around 39,000 participants on 178 locations from various government organizations, N.G.O.'s resident organizations etc. The presence of dignitaries like Hon'ble Governor, Hon'ble Chief Minister, Hon'ble Deputy Chief Minister, Member of Parliament, Members of Legislative Assembly and eminent personalities graced the event. Their participation not only inspired the participants but also spread the message of cleanliness to the citizens at large scale. The event organized by the Brihanmumbai Municipal Corporation, received huge support from the local community. 'Swachha Suraksha Shibir' activities included training of sweepers, health screening camp sessions. On the occasion of Mahatma Gandhi's birth anniversary on 02nd October, programs like Prabhat Pheri, Felicitation of Sweepers, Rangoli, Pledge on cleanliness were undertaken.

Capacity Building :-

- ❖ As per guidelines of Swachh Bharat Mission 2.0 U.L.B. have to be created programmatic intervention for facilitating capacity building of municipal staff.
- ❖ Accordingly 250 Junior overseers (J.O.)'s & Engineers working various in wards sent to Indore to get overview of cleanness model of cleanest city of India.
- ❖ These visits included waste collection / segregation at source in residential areas, Centralized processing facilities & control room etc.

Removal of Dead Animals :- For removal of dead animals, contact :

- (1) The concerned Asstt. Commissioner of the Ward or
- (2) The following officers of Solid Waste Management Department and give the exact address from where the dead animals are to be removed :-
 - i) Head Supervisor, Solid Waste Management Office, Khatav Market Building, 4th floor, Near Aavishkar Society, Sletar Road, Near Grant Road Station, Grant Road (West), Mumbai - 400 008.
 - (ii) Citizens may also contact to remove dead animals to the Manager, Kora Kendra, Shimpoli Road, Borivali (W), Mumbai - 400 092, Tel. No. 28980782 and 28980972 and to the Secretary, Mumbai Khadi & Village Industries Association, Khadi Emporium, 286, D.N. Road, Fort, Mumbai - 400 001. (Tel. No. 43474991-99 and Fax No. 43474991/92/93.)



Byelaws :-

'Greater Mumbai Cleanliness and Sanitation Byelaws, 2006' are framed under Section 461 (ee) of the Mumbai Municipal Corporation Act, 1888 for regulating all matters and things connected with the collection, removal and disposal of solid waste. Maharashtra Government has given approval to these byelaws and same are published under no. BMC/2326/4074/C.R.238/06/UD-21 dated the 14th December, 2006 through Gazette. Continuous efforts are being made by the Corporation to keep the health of citizens unaffected by keeping the areas of Mumbai City and Suburbs clean. For the said purpose, people are convinced about importance of cleanliness through various medias and by creating consciousness in them various measures, schemes are implemented. For this, participation and co-operation of the people, Hon'ble individuals, councillors, various government / non-government organisations is being taken. Appointment of Nuisance Detectors Squad and cleanup marshals from security institutions is made to take penal action on the nuisance creator who creates nuisance by creating uncleanliness at public places. To do this work more vigorously and effectively "Greater Mumbai Cleanliness & Sanitation Byelaws, 2006" are framed. It is necessary and mandatory for each citizen to follow the rules of these byelaws. Any citizen who violates these rules will be eligible for punishment as per the schedule given below :-

Sr. No.	Byelaw No.	Sub-division / Description of Byelaws	Amount of Fine applicable for breach of Byelaw
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Byelaw No. 4.1: Littering, Creating Nuisance and Clean Aangan

1	No. 4.1 to 4.4	Littering on roads / streets	Rs. 200/-
2	No.4.5	Creating Nuisance, Spitting	Rs. 200/-
3		Bathing	Rs. 100/-
4		Urinating	Rs. 200/-
5		Defecating	Rs. 100/-
6		Feeding animals/birds in non-designated areas	Rs. 500/-
7		Washing vehicles	Rs. 1,000/-
8		Washing utensils/ clothes/ any other object	Rs. 200/-
9	No.4.6	For not maintaining Clean Aangan: for a) for owners / occupiers of single premises b) for others	Rs. 1,000/- Rs. 10,000/-



Byelaw No.5 : Segregation, storage, delivery and collection

10	No.5.1 and 5.2	For delivering waste that is not segregated and stored as specified in separate bins: a) individual b) bulk generator	Rs. 100/- Rs. 500/-
11	No.5.3	For not delivering bio-degradable waste in segregated manner as specified	Rs. 100/-
12	No.5.5	For not delivering specified hazardous waste in a segregated manner as specified a) individual b) bulk	Rs. 1,000/- Rs. 10,000/-
13	No.5.6	For not delivering biomedical waste in a segregated manner as specified	Rs. 20,000/-
14	No.5.7	For not delivering construction and Demolition waste in segregated manner as specified	Rs. 20,000/-
15	No.5.8	For not delivering "dry" waste in segregated manner as specified	Rs. 100/-
16	No.5.9	For not delivering garden waste and tree trimmings as specified	Rs. 100/-
17	No. 5.10	For disposal of waste by burning	Rs. 100/-

Byelaw No. 7 : Specific Categories / Situations

18	No.7.2	For Not delivering(non-household) fish, poultry and meat waste in a segregated manner as specified	Rs. 1,000/-
19	No.7.3	a) For a vendor / hawker without a container/ waste basket b) For a vendor /hawker who does not deliver waste in a segregated manner as specified	Rs. 500/- Rs.500/-
20	No.7.4	For not keeping a house gully clean	Rs.200/-
21	No.7.5	For littering by pet / owned animals	Rs.500/-
22	No.7.6	For not cleaning - up after public gathering / event within 24 hours.	Forfeiture of the Cleanliness deposit
23	No. 7.8	Uncleanliness due to Car/vehicles parking on the road at the time of sweeping.	Rs. 500/-
24	No.7.10	Sticking of posters Banners , Hoardings.	Rs. 500/- to Rs. 5,000/-



Deonar Dumping Ground :-

As per the Hon'ble High Court's order, five members Monitoring Committee has been constituted for monitoring the operation and maintenance activities at Deonar Dumping Ground, especially the safety measures. The day to day activities of Deonar Dumping Ground is being carried out as per the directions of the said Monitoring committee.

Presently, Deonar Dumping Ground is receiving approx. 500/600 M.T. M.S.W. per day. Approximately 10 % of the total waste generated within the limits of Brihanmumbai Municipal Corporation is received at Deonar Dumping Ground. The waste received at Deonar Dumping Ground is being disposed off in a conventional manner.

1. Brihanmumbai Municipal Corporation has provided facilities a tractor-mounted spraying system to reduce the insects, flies and foul smell at Deonar Dumping Ground. This system sprays water-mixed deodorant on daily basis. Due to this measures, good results are seen at the said surrounding area. Also, water tankers have been provided to control the fire & smoke generated at Deonar Dumping Ground and the same are used as and when required. Also, the Water tankers are daily used for sprinkling water to reduce the dust particles at Deonar Dumping Ground & it's surrounded area. Thus, it helps to reduce the pollution in the surrounding area of Deonar Dumping Ground.
2. In order to release the landfill gases trapped in the dump, a special purpose pipes are installed in the waste at Deonar Dumping Ground which releases the entrapped gasses. As a result, the frequency of repeated fire incidences at Deonar Dumping Grounds has been significantly reduced.
3. In order to monitor the pollution level at Deonar Dumping Ground, the Air Quality Monitoring and Research Laboratory of Brihanmumbai Municipal Corporation conducts air survey on monthly basis.
4. Due to various measures taken by Brihanmumbai Municipal Corporation as mentioned above, it is helping to reduce the air pollution and foul smell at Deonar Dumping Ground and the citizens of the surrounding area of Deonar Dumping Ground are facing healthy environment.

Kanjur MSW Processing Facility :-

As per orders of Hon'ble High Court, Mumbai and Hon'ble Supreme Court, the Government of Maharashtra handed over a plot admeasuring 141.77 hectares area at Kanjur to B.M.C. on 24.10.2005 for developing M.S.W. disposal site. Out of said 141.77 Ha. area, mangroves area admeasuring 23.36 Ha. was retained by the Government of Maharashtra vide notification dt. 02.04.2012.

Kanjur M.S.W. Processing facility has received Environment Clearance from State Environment Impact Assessment Authority Maharashtra (S.E.I.A.A.) on 05.12.2014 for 65.96 ha. non C.R.Z. area.

Further, Kanjur M.S.W. Processing facility has received Environment Clearance from State Environment Impact Assessment Authority Maharashtra (S.E.I.A.A.) on 29.10.2018 for scientific processing of MSW in the 52.45 ha. of C.R.Z. - III area. Renewed authoriazion from M.P.C.B. is received on Dt. 23-08-2022. Hence, total land available for Kanjur site is 118.41 ha. of land is available at Kanjur M.S.W. Processing facility.



At present, processing of about 4,900 T.P.D. of M.S.W. with bioreactor technology and about 1,000 T.P.D. of M.S.W. with windrow composting technology is being carried out at Kanjur M.S.W. Processing facility.

The measures that are being taken by B.M.C. at Kanjur M.S.W. processing facility to control the odour nuisance are as below :

1. Landfill gases generated in the Bio-reactor cell has been collected and electricity is being generated from these gases. This electricity is utilized for Kanjur project. Remaining gas is being flared as per environment norms.
2. Inactive area of Bio-reactor Cell is covered by soil to reduce the foul smell.
3. Enzyme base deodorant is being sprayed round the clock on the M.S.W. received for processing.
4. Misting arrangement has been installed around the Bio-reactor cell to reduce foul smell.
5. As per instructions from M.P.C.B. during visit; as an additional measure, five numbers of misting canons have been installed to spray deodorant in order to reduce foul smell in the area.

The Cheif Engineer (S.W.M.) New Project Department's report regarding scientific processing of M.S.W. generated in Mumbai is as below :-

1. Development of Waste to Energy (W.T.E.) Project at Deonar -

The tendering process for Waste to Energy project is completed and the work is awarded to the contractor. About 600 T.P.D. M.S.W. will be processed scientifically and about 07M.W. energy will be generated from this project. The work order for has been issued and work of development of the project is in progress and project is expected to be commissioned by 04.10.2025.

2. Project of Dumpsite Reclamation at Mulund Dumping Ground (M.D.G.) in Mumbai by adopting suitable technology for existing garbage dump -

Project of Dumpsite Reclamation at Mulund Dumping Ground (M.D.G.) is awarded to the contractor. Contractor has scientifically processed and disposed off about 34,79,772 M.T. legacy waste till 01.05.2024 & further work is under progress. M/s. MITCON Consultancy & Engineering Services Ltd. has been appointed as Project Management Consultant (P.M.C.).

3. Collection, Transportation, Processing & Disposal of Construction & Demolition Waste in Mumbai -

The B.M.C. has planning to process scientifically 1,200 (T.P.D.) of Construction & Demolition waste. The tendering process for Collection, Transportation, Processing & Disposal of Construction & Demolition waste has been completed and Letter of Acceptance (L.O.A.) has been issued to the contractors in Feb. 2023. The Project is expected to be commissioned by June -2024.

4. Scientific processing and disposal of waste at village Karavale, near Taloja -

As per Hon'ble High Court vide its order in PIL No. 217 of 2009, Government of Maharashtra has allotted about 52.10 Hectares at village karavale, Tal.- Ambarnath,



Dist - Thane to B.M.C. for Solid Waste Management Project. Out of this 39.90 Hectare land is government land and 12.20 Hectare is private land. Out of total 52.10 Hectare land, 35.82 Hectare lands is useful for the B.M.C. (i.e. 29.715 Hectare Govt. land and 6.105 Hectare of private land) due to alignment of Alibaug Virar Corridor and the G.A.I.L. Pipeline passing through the designated plot. Out of 39.90 Hectare Govt. land advance possession of Govt. land admeasuring 38.81 Hectare is given to B.M.C. on 18.01.2016. The physical possession of Government land admeasuring about 12 Hectare has been taken over by B.M.C. from Tahsildar Ambemath on 16.02.2019. Acquisition of remaining Govt. land and about 6.105 Hectare private land is being carried out through Collector Thane District. After completion of physical acquisition of government land and private land at village Karavale, Sanitary Landfill (S.L.F.) will be started.

Deep Cleaning Program :

The launch of the "Deep Cleaning Program" in December 2023 addressed air pollution concerns by deploying machinery to clean major junctions and wash roads. Led by the Honourable Chief minister, this comprehensive program focused on concentrated cleaning efforts in one area at a time, including repainting infrastructure, removing debris and engaging the community. Response from citizens and active participation has created a mass movement. Till the end of March 2024 more than 32,000 Citizens, N.G.O. workers, Students, B.M.C. staff has contributed to "Deep Cleaning Program". More than 3,000 Tons of debris, 500 Tons of odd / abandoned material and 1,100 Tons of garbage is cleared. More than 2,880 Vehicles, Firex machine, Misting Machines, equipment's Water Tankers, Vehicles are used till date. The program's success is evident and has been replicated across the state of Maharashtra.

Slum Sanitation Programme :

- ❖ The Slum Sanitation Programme was launched in 1997 with financial assistance from the World Bank and is a component of the Solid Waste Management Department. The Main objective of the program is to provide improved and sustainable toilets to the slum dwellers. Also, the slum cleanliness program is a demand based program and people's participation is the main feature of this program.
- ❖ Under the said program, it is intended that the slum dwellers should be involved in the planning, conceptualization and construction of the toilets and the daily cleaning and maintenance of the constructed toilets should be done by local residents through public participation. The toilets constructed under the program are handed over by the Brihanmumbai Municipal Corporation to the registered organizations of the local slum dwellers after completion of construction for use on completion of Memorandum of Understanding (M.O.U.). Funds raised through public subscription are expected to be used for day-to-day sanitation, electricity and water supply payments, minor repairs and maintenance and operation of toilets. The toilets constructed through the said program are R.C.C. Built in a Systematic Manner, Overhead Tanks, Suction Tanks, Toilets for Children, Toilets for men, latrines for the disabled are provided Electric supply to toilets and where there is insufficient municipal water supply, were supply is provided through bore well.



- ❖ Also according to the availability of space, old dilapidated toilets are demolished and double-storied toilets with higher capacity are constructed there. The duration of construction of toilets with capacity less than 20 pits is assumed to be 06 months and for toilets with capacity of 20 and above 09 months and it is assumed 12 months and above for toilets having 41 to 60 seats and above. In the meantime, to avoid inconvenience to the residents, before demolishing the old toilets, temporary toilets are constructed there or mobile toilets are made available through the office of the Chief Engineer (S.W.M.)
- ❖ A tender of Rs. 920.79 Crores was invited for Lot-11 (R) in the year 2018. 832 toilets with a total of 19,809 toilets were constructed till 2023-24. In the year 2023-24, 19,769 toilet blocks with 831 toilets are constructed a fund of Rs. 55.18 Crore was spent and currently all the toilets are in use.
- ❖ 28 tenders have been floated and 28 contractors have been appointed for construction of 559 community toilets with 14,166 seats in the slums of Mumbai under Lot 12 in year 2023-24. Work on demolition and reconstruction of 153 community toilets is in progress by issuing work orders to existing contractors. The total cost of this project is proposed to be 542.42 Crores. A provision of Rs. 64 Crore has been made in the budget for the year 2024-2025.

(9) Development Plan :

Online Development Right Certificates :

Development Plan Department has implemented online system from 05th April 2021 for scrutiny Development Right Certificate (D.R.C.s). The developer / owner can submit their proposals for Transferable Development Rights (T.D.R.) online which are scrutinized and approved online through the said system. Thus, generation and utilisation of the T.D.R. is also done online through said system.

Online Town Planning Remarks :

The remarks regarding plots in Town Planning schemes are now made available on Brihanmumbai Municipal Corporation portal from March 2021. The same were available for viewing without any charges. However, the T.P. remarks can be downloaded after payment of prescribed fees by applicant.

Online Gorai and Manori Remarks :

The Development Plan of Gorai and Manori is prepared by M. M. R. D. A. which is sanctioned by State Government. Development Plan department has made available online D. P. remarks of Gorai and Manori D. P. from March 2021.

Building Plan Approval Management System and Auto D. C. R. Scrutiny :

The Building Proposal department sanctions Building plans by way of online Single Window Clearance. The applications for Building Proposal approval are accepted and processed online. The accepted and approved proposals, are available for viewing online and can be downloaded for the information of the citizens. The proposals, documents, alongwith approvals are routed through single window clearance system (S.W.C.S.) to departments involved in issuing the building permission. The proposals of Building Proposal Department are accepted and approved online.



Sanctions issued through digital signature certification can be downloaded and Printed.

Auto D.C.R. system is updated and made consistent for various users. The system is connected to Maharashtra State Government 'Revenue' and 'Mahakhanij' department. By which developers can avail online C.T.S. Plans, P. R. cards and excavation N.O.C. from Collector office necessary for approving system. This system is also connected with C. A.(Finance) department for online audit of Building approval files. The Trench permission, permanent tap connections etc. are also connected with this system.

Recently changes have been made in Auto D.C.R. application regarding Estate department, in which facility has been provided to obtain online N.O.C. for redevelopment of Lease hold and Municipal tenanted properties.

Development Plan G.I.S.

Facility has been provided in mobile app (B.M.C. Development Plan) to view 'Sanctioned Revised Development Plan (S.R.D.P.) 1991' and 'Development Control and Promotion regulation (D.C.P.R.) 2034'. In which we can see location base D.P. and overlay can be done on google map.

High Rise Building Proposals :

The Government of Maharashtra vide Resolution No. TPB-4317/629/CR-118/2017/DP/UD-11 dated 12-11-2018 has sanctioned Development Control and Promotion Regulation - 2034 which has come into force from 13-11-2018. As per regulation 19 (2A) of Development Control and Promotion Regulation - 2034 'The Municipal Commissioner shall constitute a technical committee for High-Rise building' to advise on issues related to High-Rise Buildings having height more than 120 Mtr. or any building having slenderness ratio 9 or more, irrespective of height of building.

Accordingly, a High Risk Committee under Chairmanship of a Retired I.A.S Officer is constituted on 25-02-2019 and the same is now reconstituted on 12.01.2023. The N.O.C. is issued Hon'ble Municipal Commissioner after clearance from the High Rise Committee.

(10) Civic Training Institute & Research Centre:

The Civic Training Institute & Research Centre caters to the training needs of Brihanmumbai Municipal Corporation (B.M.C.) employees to improve their efficiency Brihanmumbai Municipal Corporation (B.M.C.) and to improve the level of basic service delivery to the citizens of Mumbai by means of capacity Building of Municipal Employees, through technical / administrative / Computer, Personality and Skill Development oriented trainings. The Civic Training Institute & Research Centre has been established in 1986 at its present campus of over 13 acres area Near Sanjay Gandhi National Park, Borivali (East).

Technical Trainings such as Refresher courses & working of all departments, Quality Control, Quality Assurance and testing of all construction materials, Concrete technology etc. are conducted for existing Municipal Engineers to hone their technical knowledge base & courses such as Contract Law, S.B.D. & G.C.C. Fidic suit of condition, DP & New D.C.P.R. overview, Arbitration & Contract Condition, Traffic Management, Project Management and D.P.R., Public Relation and Redressal



complaints, D.C.P.R. 2034, M.M.C. and M.R.T.P Act, Accomodation Reservation Transfer of Development rights & 33(10) valuation of Land & Building, Advance practices in concrete construction etc. are arranged to meet up considering the future job requirements. Induction trainings along with site visits are arranged for newly recruited Municipal Engineers for introducing them to working of various Department. Further department wise refresher courses & special external courses through renowned Institutions / trainers etc. are also conducted for Municipal Engineers regularly.

Trainings are arranged on Administrative subjects like Municipal Service Rule and M.S.D.C.R., R.T.I. Act 2005, Administrative Marathi, Enquiry Procedure, D.L. to M.S., M.M.C. Act 1888, Municipal Budget, Reservation (Promotion & Procedure), Direct Recruitment & promotion etc. To make the work place happier and stress free Soft Skill Courses like Personality Development, Acupressure, Yoga, Vipassana, Stresss Management by Mudra & E.F.T., Team Building, Time Management, Mindfulness / Ikigai / Kaizan, Cordial Relationship are also arranged. To enhance social safety of women employees trainings are arranged on the subject of Sexual harassment of women at workplace (Prevention, Prohibition, redressal) Act 2013. Personality Development Programmes like Mental Health awareness, Financial Literacy, Photography etc. are organised.

In order to implement Municipal Corporation's present policy of Office Automation and computerization, Two Computer Labs with 25 computers each having SAP connectivity have been set up. Along with computer Basic, Internet and Browsing Techniques training programme on S.A.P. Module, C.P.W.M. Modules are also organised, besides user I.D. management training programme for preparing various User Ids such as S.A.P. User I.D., Domain I.D., Email I.D., C.P.W.M. I.D., Transfer of I.D.'s, Additional charge of user I.D.'s, Training of E-tendering & H.R., S.A.P. M.M. Modules, Libre Office Writer, Libre Office Calc etc. have been introduced.

It is also essential to conduct training for labourers. However, considering the significant strength of labourers, it is not feasible to impart training to all labourers at Civic Training Institute & Research Centre. Therefore nominated selective employees of J.O. / Mukadam / D.A. cadre are trained as trainers. Later on these trained trainers impart training to labourers working in their respective department.

As regards Mechanical & Electrical training programmes, on special topics such as H.V.A.C. facilities & its design consideration in infection control, Green Energy (Solar Photovoltaic Cell), Medical Gas / Oxygen system in hospitals, maintenance of extra high voltage equipment used in installations of H.E. & S.O. departments, latest technologies in S.T.P.'s (Sewerage Treatment Plants) design & maintenance and latest technologies developed, desalination plant; S.C.A.D.A system in various installations overview of maintenance of pumping stations, electrical estimation, operation & maintenance of H.T. panels in pumping stations, electricity bills and machines, planning & design of major S.T.P. projects of Mumbai, Chlorination, Flow meters and water-meters, latest Technologies in S.T.P. are covered in training programmes. In addition to above, Considering feedback from various departments, a customized training programmes best suited to the respective departments through expert / knowledgeable persons are prepared by C.T.I & R. C & proposed to start Training Programmes immediately. The educational infrastructure facilities viz. Class Room / Air Conditioned Conference Hall with facilities like D.L.P. Projector, Recreation Hall and Hostel with mess are available at Civic Training Institute & Research Centre.



Canteen facilities have been upgraded to provide optimum nutritious Breakfast / Lunch / Tea to the participants attending lectures at Civic Training Institute & Research Centre. New tender for appointment of agency for next five years has been awarded. Considering the faculties and participants coming from the remote locations like Panvel, Thane, Kalyan and Palghar, a provision for Breakfast, Veg. & Non Veg. Lunch along with High tea has been incorporated in the new tender.

Work of renovation of one conference hall with all state of the art facilities such a smart TV / Remote operated projector along with acoustic design has been completed during year 2022-23. This conference hall no. 12 has been named as 'Aaryabhata Sabhagrih' & the same is being used for training purpose.

In Civic Training Institute & Research Centre 14 nos. of rooms repairs work is undertaken by Chief Engineer (Building & Maintenance) department and that work is expected to be completed by dtd. 03.09.2025. It is proposed to upgrade these rooms as per Aaryabhata. Redevelopment work of some of existing dilapidated training rooms and dormitory is proposed. The said proposal has received 'In principal approval' from the Honorable Municipal Commissioner on Dt. 12.09.2023 and further course of action is under taken by the office of Municipal Architect department.

Miyawaki types plantation in the Civic Training Institute & Research Centre campus behind cluster classroom has been done by Garden department and the same will develop into dense green cover over a period.

(11) Estates & Land Management :-

In between the years 1898 to 1948, the Improvement Trust and later by the Corporation took up some Improvement Schemes for development. The Management of plots of Corporation is made by Estate Department. Approximately 4,177 Municipal plots comprising of approximately 35 different schemes have been demised in favour of various parties for specific users. The duration of the demise of the properties is as under :-

Sr. No.	Period of lease	No. of Properties
1.	In perpetuity	1,247
2.	999 Years	2,148
3.	120 Years	01
4.	99 Years	584
5.	25 to 70 Years	193
6.	10 Years	04
Total		4,177

The lease rent of these leasehold plots is fixed on the conditions mentioned in the agreement executed between the lessees of these leasehold plots and B.M.C. To maintain the records of leasehold plots as well as lease rent recovery of lease land, transfer of leasehold rights, permission for development / redevelopment, permission for sub-lease of the lease land, renewal of the lands etc. are done through this office, as per policies approved by improvement Committee and Corporation.



1. Transfer of leasehold rights.

Transfer of lease hold rights is done as per terms and conditions of agreement to Lease / Lease Deed and it is required to be noted in Estate Record of B.M.C. and relevant documents are required to be recorded in Estate Record of B.M.C. While updating the record of Estate Department of B.M.C. the name of existing lessee to be deleted and name of incoming lessee is recorded in the record of B.M.C. When the lease rights are transferred to third party then transfer premium / fees are recovered as per prevailing policy of B.M.C.

2. Sub - Lease of leasehold Plots :

Improvements Committee / Corporation vide their resolution nos. ICR No. 29, dtd. 30.07.2014 and CR No. 689, dtd. 20.10.2014, respectively, has accorded sanction to the policy of Sub-Leasing of Municipal Leasehold plots where the rule of section 108 (j) of 'Transfer of Property Act 1882' is mentioned in lease deed. The lessee in such cases are permitted to sub lease or regularize the sub lease of the leasehold plots by charging fees / premium as per policy.

3. Development / Redevelopment of leasehold plots :

N.O.C. for Commencement Certificate / Occupation Certificate for Development / Redevelopment of Municipal Leasehold plots under Section 33(2), 33(5), 33(7) & 33(9) of Development Control Regulations is issued by Estate Department of Brihanmumbai Municipal Corporation. While issuing the N.O.C One Time Premium, Fees / Premium, Charges, Penalties, Lease Rent, Extra Ground Rent is charged as per prevailing policies approved by Corporation from time to time.

Remodeled policy for calculation of One Time Premium (O.T.P.) in redevelopment of municipal leasehold to accommodate changes as per 'Development Control & Promotion Regulation, 2034' and to reduce financial burden on developers so as to give impetus to sluggish pace of redevelopment of old buildings on municipal leasehold plots.

4. Renewal of Lease & New Lease Agreement :

After expiry of the lease period of leasehold plots, the lease is renewed with the terms and conditions of earlier lease deed & new terms and conditions approved by the Corporation. The policy guidelines for charging the lease rent at the time of lease renewal is approved by Improvements Committee / Corporation vide Resolution ICR No. 172 of 24-12-2001 and CR No. 431 of 09-07-2002, respectively. The new lease rent is levied from the date of expiry and it increases by 10% after every 10 years.

Policy regarding renewal of lease for the Schedule 'W' plots, which are specified in the Mumbai Municipal Corporation Amendment Act, 1888 was issued by the State Government under Resolution No. BMC-2516/C.R.280/UD-21, dated 15.03.2017. As per the said policy, lease will be renewed for a period of 30 years from the date of expiry of lease and also rent will be changed as per Stamp Duty Ready Reckoner rate of every year from the date of expiry of lease. According to the State Government policy Brihanmumbai Municipal Corporation have to share 70 percent revenue to State Government, which may derived after renewal of Schedule 'W' property. Certain compliance required in the petition no. 1251/2014 and other petition in the Hon'ble High Court. The matter is subjudiced & hence execution of lease deeds are pending.



Earned Rs. 392/- crores revenue from lease rent from leasehold plots, various premiums and capitalized value from redevelopment of leasehold plots and municipal tenanted properties, respectively.

5. Demand & Recovery of Ground Rent / Extra Ground Rent in SAP R.E. Module :

SAP R.E. Module is implemented from 01-04-2023 for demand and recovery of Ground Rent / Extra Ground Rent for lease plots allotted by A.C. (Estate) Department. In future, online payment facility of lease rent will be made available to lessees.

6. Co-Operative Housing Society :

As per the provisions of D.C.R. 1991 & D.C.P.R. 2034 the municipal tenanted properties constructed prior to 30.09.1969 are taken up for redevelopments as per Regulation 33(7) & 33(9). Till today 141 proposals have been sanctioned by Improvement Committee / Corporation and out of 148 proposals, 07 proposals were terminated, 01 proposals put for termination, 54 proposals have completed and tenants have been rehabilitated in the new constructed buildings & the remaining 86 proposals are at various stages. The Corporation is getting revenue from these redevelopment scheme in the form of capitalized value as per the policies in force from time to time . Till date Rs. 1959.18 Cr. have been received in form of capitalized value. As per present policy the balance capitalized value will be recovered at different stages of project as per S.D.R.R. Rate of prevailing on date of actual payment.

7. Staff Quarters :

Staff quarters are maintained and allotted to Municipal Staff of various categories (Viz. Class I to Class IV).

Municipal Commissioner has sanctioned dtd. 09.03.2024 and Administrator (Corporation) has passed vide Standing Committee Resolution No. 2661 of 13.03.2024 and Corporation Resolution No. 1721, of 13.03.2024 for allotting Rent Free Staff Quarters of Estate Department to Municipal Employee by charging Licence fee from 01.01.2016 (Since the implementation of Seventh Pay Commission) as mentioned in Government Resolution No. घभाव- 2010/ प्र.क्र.04 / सेवा-5 dt.19.04.2011 and Resolution No. -घभाव-2022/प्र.क्र.07/सेवा-5 dt.19.01.2023.

8. Vacant Land Tenancies :

There are 3,668 number of vacant land tenancies on the Municipal land.

There is no transfer of Vacant Land, However as per revised policy the same is terminated & the Vacant Land Holder / Occupiers are attomed and taken on record of Municipal Corporation.

9. Project Affected Person (P.A.P.):

As per sub-regulation 3.11 of Regulation 33(10) of the Development Control Regulation 1991 / Development Control & Promotion Regulation 2034, to bring transparency in process of allotment of P.A.P. Flats received by the Municipal Corporation to the project affected persons by the Municipal Corporation's urban projects through the Municipal Corporation, online allotment through online system is adopted.



So far P.A.P. flats have been distributed to 25,030 project Affected Persons through Various departments of the Municipal Corporation. In order to avoid delay in vacating dilapidated & dangerous Municipal Buildings, B.M.C. has formulated policy to provide monetary compensation to Project Affected Person of Vital project due to which project cost also reduced due to reduced time.

(12) Municipal Power Laundry :

'Brihanmumbai Municipal Power Laundry' situated at Bhoiwada, Parel established in 1965 and is a sole laundry unit of B.M.C. rendering laundry services to all municipal hospitals and Medical institutions situated all over in Mumbai.

Brihanmumbai Municipal Power Laundry have schedule capacity to wash 16,000 linens per day, with scientific method on laundry machineries using steam & chemical to disinfectant soiled linen.





Fire Brigade





Fire Brigade well-Equipped snorkel



Fire Brigade parade



Fire Brigade

1. Preamble :

Fire Protection is one of the obligatory duty of the Brihanmumbai Municipal Corporation. Life and Property in any urban community is not secured, unless organized Fire Protection Services in the form of Fire Brigade are provided.

2. Objectives :

The primary objectives of the Fire Brigade is to protect life and property in case of fire and also to render services, with equal zeal and devotion during other Emergencies viz. building collapses, drowning cases, motor and train accidents, spillages of acids, oil and chemicals, natural calamities like floods and earthquakes, so also animal and bird rescue, etc. These services are available free of charge and round the clock in Mumbai.

3. Means to summon the Fire Brigade :

In case of emergency, the Brigade can be summoned through following Telephone Nos.

- 1) 101
- 2) 23085991
- 3) 23085992
- 4) 23085994.

Further, any emergency can be notified to the Police Control Room on Telephone No. 100 and 1916 to Disaster Management Control Room who in turn, can transmit the message to the Brigade Control Room. Also people can summon personally the nearest Fire Station directly.

4. Organization :

Headquarters of Mumbai Fire Brigade is located at Byculla and it has 35 Fire Stations and 19 Mini Fire Station as follows.

	City	Eastern Suburban	Western Suburban
Fire Station	15	7	13
Mini Fire Station	4	8	7

Also, 22 Quick Response Vehicles placed at BMC Ward level.

5. Regional Command Centers :

For the better services to the citizens and to improve and strengthen the administrative as well as operational command Mumbai Fire Brigade has established 6 Command Centers in Greater Mumbai.

City	Eastern Suburban	Western Suburban
Byculla	Vikhroli	Borivali
Wadala	Mankhurd	Marol



6. Liaison and Mutual Aid :

The Brigade has an established liaison with the D.M.C.R. of B.M.C., Mumbai Police, Airforce, Navy, Coast Guards, Home Guards, Civil Defense, the B. E. S. & T. Undertaking, M.S.E.B. and Adani Electricity, Mumbai Port Trust and Mutual Aid Group of Industries, etc.

7. Improvement in Basic Infrastructure :

Mumbai Fire Brigade has fleet of different types of modern, Fire Fighting, Rescue vehicle and latest communication system to carry out the work of Fire Fighting and rescue. To overcome the difficulty of Maneuvering of fire tender along narrow lanes & roads of Mumbai, Quick Response Multipurpose Vehicle 19 Nos. are procured & activated in Mini Fire Stations. 22 more Quick Response Vehicles are placed at BMC Ward level. To render service of Fire Brigade effectively to citizens of Mumbai 26 additional Fire Stations are proposed in Mumbai City under Development Plan 2034. For effective and for smooth working of Control Room. '**Integrated Command and Control System**' is established. Mumbai Fire Brigade has purchased the digital mobile wireless sets as per the policy of Ministry of Communication Department of Telecom Wireless Commission, New Delhi. Water mist vehicles purchased and included in the fleet. While fire fighting Fireman has to face various difficulties which can be fatal. To overcome this, two Robot have been procured. Mumbai Fire Brigade has procured Mobile Water Transport System appliances for transportation of water from the distance of 3 km, nearby the scene of the incident. Also 55 mtr. Water Tower vehicles has been purchased which is used for Highrise fire fighting as well as Slum and congested area fire Fighting purpose. Mumbai Fire Brigade also purchased 24 Fire Bikes to reduce response time and for effective efficient fire fighting at incipient stage of fire. Considering the increasing numbers of sky scrapers in the City, a special type of high rise fire fighting vehicle has been purchased. Also, a breathing apparatus vehicle with air compressor has also been procured. Advance Personal Protective Equipment kits have been purchased for Firemen. BMC has also deployed lifeguards, Jet skies and boats for the safety of the citizens at the beaches of Mumbai and the Fire Brigade is also handling this responsibility.

8. Training :

In-service training is imparted to the Fire Brigade Personnel at Wadala Training Center. On specific requests from Industrial, Hotel, Office Premises, Educational Institutions, Social Organizations, High Rise & Special Risk Establishments, Mumbai Fire Brigade imparts basic training in Fire Prevention and Fire Fighting etc., to their workers / employees. Practical attachment training programme is also arranged for the students of National Fire Service Collage, Nagpur. The brigade has started B. A. Gallery for Breathing Apparatus training at Wadala Training Center. Refresher training is also organized regularly for officers & firemen at this training centre. In the year 2023, the recruitment process of female and male candidates for the post of fireman was implemented and after completion of six months training of 468 selected candidates, the successful candidates were inducted into the fire brigade service in the month of January and the remaining 268 candidates are undergoing training and at the end of the six month training period, the successful candidates will also be inducted into the service.



9. Fire Service Week :

The '**Fire Service Day**' is observed every year by arranging prayer meeting on 14th April to pay homage to those gallant officers and men, who laid down their lives in the fire and explosion in the ship "**S. S. Fort Stikine**" on 14th April 1944 and to those who subsequently died while performing their duties. A week long programme from 14th to 20th April (Fire Service Week) for public education in fire prevention is arranged with lectures / demonstrations / Radio – T.V. interviews, Exhibitions, Various competitions etc. are also being arranged in each region.

10. Fire Safety Awareness and other Distinctive Services :

Public awareness is very essential to minimise loss due to fire incidents. This year, for the first time 2,50,000 wall posters have been printed to create public awareness about fire safety and are being put up in various buildings, schools, colleges, hospitals. Citizens are given fire volunteer training by Mumbai Fire Brigade. As citizen's participation in fire safety is also important, we are conducting activities like lectures, demonstrations, rallies for public awareness about fire safety not only during the safety week but also throughout the year through many social and voluntary organizations. More than 5000 fire volunteers have been trained under the concept of '**Agni Rakshak Swayamsevak**' which implements free of charge for the citizens in the past several years. These fire volunteers can act as fire volunteer incase of emergency and do the first aid till the actual crews of fire brigade reach the scene of incident and then to control crowd and planing. Not only the fire safety of the general public, but also such a trained response in the sensitive and serious situations of multiple accidents is very helpful in limiting the seriousness and scope of the accident.

Due to increasing numbers of high rise building in Mumbai & their safety, officers are nominated for the inspection of high rise building & various commercial establishments in view of **Maharashtra Fire Prevention & Life Safety Measures Act, 2006**. Mumbai Fire Brigade is upgrading itself by various ways for keeping Mumbai safe from fire and other similar disasters. Since, 2018 Compliance Cell has been established by BMC under Assistant Commissioner of Concern Ward for day to day inspection of various establishments in Municipal Corporation Limit. The Cell is consisted of officers of fire brigade and ward official's. This cell initiates the action in case of non-compliance of fire safety measures.







Disaster Management Cell





Disaster Management Control Room, BMC Head Office



Disaster Management Control Room



Disaster Management

DISASTER MANAGEMENT & CENTRAL COMPLAINT REDRESSAL SYSTEM DEPARTMENT :-

The Disaster Management Department (D.M.D.) was set up in the year 1999 at the Municipal Head Office to manage disasters in Mumbai. This department is upgraded with modern equipments and situated at second floor in B.M.C. Head Office.

District Disaster Management Authority :-

In the year 2011 Greater Mumbai Disaster Management Authority was constituted in exercise of the powers conferred by Sub-sections (1), (2) and (4) of section 25 of the Disaster Management Act, 2005 (53 of 2005) and rule 2 of the Maharashtra District Disaster Management, by appointing Municipal Commissioner of Brihanmumbai Municipal Corporation as ex-officio Chairman of the Authority.

In the year 2018, as per the Government Resolution followed by the orders of the Hon'ble High Court, the Districts Disaster Management Authority for the Mumbai City and Mumbai Suburban are constituted. Senior Most Additional Municipal Commissioner for Mumbai City and Mumbai Suburbs of Brihanmumbai Municipal Corporation are appointed as ex-officio Chairman of the District Disaster Management Authorities.

Functions of Disaster Management Department:-

1. Single-point source for all issues related to disaster management.
2. Hazard Vulnerability & Risk Assessment.
3. Prevention & Preparedness.
4. Co-ordinate with relevant agencies for reducing the severity of damage.
5. Response.
6. Co-ordinate with relevant agencies for help and rehabilitation.
7. Command & Control agency between administration & field units.
8. Co-ordinate for early warning to citizens.
9. Co-ordinate for arrangement of food and water during emergency situations.
10. Co-ordinate the transportation of stranded and injured people during disastrous situations.
11. Co-ordinate for the transportation of critically injured people on high priority.
12. Co-ordinate for setting up temporary shelters.
13. Co-ordinate with N.G.O.'s.

Objectives of Disaster Management Department :-

1. Co-ordinate for rapid and effective response during any disaster.
2. Improve co-ordination among all the responding agencies.
3. To utilize social media through Public Relation Officer for disseminating disaster related information among citizens.



4. To Encourage preparedness at every level.
5. To Encourage for helping disaster affected people.
6. Impart training to the citizens & stakeholders.

Emergency Operations Centre (EOC) :-

The Disaster Management Department works 365 days x 24 hours throughout the year. It serves as a Command & Control agency between the administration and field units. It is a single-point source for all issues related to disaster management. It co-ordinates with various stakeholders for quick and effective response during a disaster.

1. Direct contact telephone line facility.
2. Television sets which are tuned to major news channels to keep abreast of the latest news.
3. In case of interruption in communication system, H.A.M. radio is used as alternative communication system.
4. '1916' helpline with 60 haunting lines are available for Citizens so that they can register complaints related to major/ minor accidents, fire, earthquakes, bomb blast etc..
5. 24 administrative ward Control Rooms, Back up Control Room 3 Major & 2 Peripheral Hospitals & 28 outside agencies are connected with 58 hotlines which provides regular updates about the situation in the Mumbai City and Suburbs.
6. For monitoring disaster management activities a video wall of size 6,200 mm long and 1,744 mm height has been installed. Video wall receives feed from more than 12000 C.C.T.V. cameras installed by Mumbai Police.
7. D.M.R. is an advance communication system implemented by D. M. Department in January 2022. This system is installed in 24 ward control rooms, 37 stakeholders and on vehicles of designated Municipal Officers. Total 326 DMR sets installed. This system has advance features like Broadcast Call, Emergency Call, Pre Recorded Messages, Intelligent Audio, BlueTooth / Wi-Fi, Man Down & Loan Worker, Secured encrypted Voice Communication, Better Spectrum Efficiency, Intergrated Voice & Data (speech to text & text to speech), Double Capacity Per Frequency Spectrum, Longer Battery Life, Facility for Group Call, Individual Call, Enabling Data Application viz. Dispatcher, GPS Location Tracking, Geo Fencing, Data & Voice Logger, Over the Air Programming, Text Messaging, etc.

The following types of complaints are registered in Disaster Management Department :-

32 types of manmade & natural disasters are identified which are likely prone to Mumbai City & Suburbs which is categorized into 102 sub-major disasters like major / minor accidents, landslides, felling of trees or unauthorize cutting of trees, water logging, house collapses, short circuits, floods, earthquakes, bomb explosions etc. On



registration, these incidents are communicated to the concerned agencies for providing necessary assistance.

Automatic Weather Stations (AWS) :-

- 120 Automatic Weather Stations have been installed throughout Mumbai to get real time weather parameters.
- Weather parameter data is refreshed after every 15 minute on website and applications.
- The data is monitored, analyzed and the warnings are issued accordingly.

Flow Level Sensors:-

- Flow Level Sensors are installed to monitor water level in rivers and lakes. It gives real time information to Disaster Control Room.
- This will help to initiate early evacuation action low lying areas in the vicinity. Flow Level Sensors are installed at Dahisar, Poisar, Vakola, Mithi, Oshiwara Rivers and Powai-Vihar Lake.

Disaster Management Website :-

The website 'dm.mcgm.gov.in' shows following information : High Tide - Low Tide time table, Weather forecast obtained from India Meteorological Department, Live weather parameters updated every 15 minutes, Traffic updates, Status of Local Trains, Status of Air Traffic etc.

Disaster Management App :-

Disaster Management Department, has launched a new android phone application to aid in citizen's response to disaster management and control. The app, '**Disaster Management B.M.C.**', will provide real time information of weather parameters as well as help available at hand within a radius of 500 meters from the distressed person.

Through this application, on clicking on a landmark in the vicinity of the crisis, the app will automatically generate a list of Police Stations, Hospitals, Fire Brigade Station and Control Room numbers of Ward Offices within a radius of 500 meters.

The app will also allow the user to save emergency personal contacts in a separate list in the app and calls to numbers will be made through the app if the person chooses to notify the contacts of the disaster.

Emergency Support Functions (E.S.F.) :-

1. 14 Emergency Support Functions have been identified as an integral part to carry out emergency response activities including preparedness, response during the event and immediate recovery.
2. In the event of major disaster of emergency where quick response is required, the lead agency will take action as per S.O.P.s and work in co-ordination with the support agencies and other E.S.F.s to mobilize and deploy resources to the affected area in Mumbai.



3. In peace time, each E.S.F. Plan and prepare on emergencies through review of the planning assumptions, drills, table top exercises and preparation and reviews the Standard Operating Procedures.
4. Preparedness and planning activities are essentials to ensure adequate response and to identify areas of actions that would ultimately reduce the disaster risk.

Geographical Information System Based Command and Control System :-

Disaster Management is shifting from reactive to proactive nature and approach. Therefore risk reduction before disaster is really very important aspect in modern days.

It has been also learned from the previous disasters that, prediction, early warning are also playing vital role in disaster management along with prevention, mitigation, preparedness, planning, relief & rehabilitation. GIS based technology provides best platform for development of such system. GIS has emerged as an effective tool in disaster management since GEO spatial data and socio economic information needs to be amalgamated for the decision making and in handling a disaster or to plan for tracking disasters in scientific manner.

Prime objectives of developing GIS is to help DMD for :

1. Prediction and Early Warning.
2. Risk reduction, planning and preparedness in pre-disaster phase.
3. Decision Support System.
4. Damage Assessment & Relief Management.

G.I.S. combines layer of information on various themes to enable D.M.D. to take the most appropriate decisions under given circumstances.

1. D.M.D. generate maps both at micro and macro level indicating vulnerability to different extent under different threats perception.
2. Locations likely to remain unaffected or remains comparatively safe could be identified.
3. Alternated routes to relief camps and important locations in the event of disruptions of normal surface communication could be worked out.
4. Smooth rescue and evacuations operation can be properly planned.

City Institute of Disaster Management & Research Centre (C.I.D.M.) :-

In case of any mishap happens at Municipal Head Office and due to which if Emergency Operations Center at 2nd Floor is not accessible or cannot be operated a Backup control room has been setup at C.I.D.M., Parel. This backup control is equipped with Hotlines, Wireless Communication, HAM Radio, Video Wall, E.S.F. etc. similar to E.O.C. at M.H.O., C.I.D.M. provides comprehensive training on disaster management and first responder to employees of B.M.C. / Government / Private Companies, School and College Students, Medical Practitioners, Police etc. to create awareness amongst them about scientific methods of Disaster Management.



3D Auditorium and an Art gallery is developed to show realistic information of various disasters. The major objective of these facilities is to make visitors aware of disaster and its preparedness. This Art gallery has interactive dioramas, display, photographs and information boards for awareness generation of various disasters.

Post Graduate Diploma in Disaster, Fire & Industrial Safety Management (P.G.D.D.F.I.S.M.):

Considering the importance of Disaster Management and ever increasing impacts of disaster in future, C.I.D.M. has commenced a one year P.G.D.D.F.I.S.M. course in co-ordination with G.I.C.E.D. and Mumbai University. This course offers scientific learning of concepts of natural and manmade disaster and techniques of every stage in D. M. The Primary aim of this course is to educate personal from Government agencies, industries regarding appropriate response to the impending disaster and reduce the impact on mortality and economy.

City Disaster Response Force (C.D.R.F.):

On the basis of National Disaster Response Force (N.D.R.F.) at National level and State Disaster Response Force (S.D.R.F.) at State level, a City Disaster Reponse Force (C.D.R.F.) is established at City level for Mumbai. The objective of formulating C.D.R.F. for Mumbai is to develop self sustainability for responding disasters like major fire, collapse structure, Chemical-Biological-Radiological-Nuclear etc. The personnel appointed for C.D.R.F. are from existing Security Force, Mumbai Fire Brigade, Doctors & Paramedics of B.M.C. and they are trained by National Disaster Response Force (N.D.R.F.).

Central Complaint Registration System (C.C.R.S.) :-

On-line Complaint Management System (C.P.W.M. Module) has been started from the year 2000 to register civic complaints. Central Complaint Registration System is working 24x7. Civic Complaints related to B.M.C. are registered on phone no.1916 in the central control room and sent to the concerned department through online system. Citizens can lodge their complaints online on B.M.C. portal i.e. <http://portal.mcgm.gov.in>.

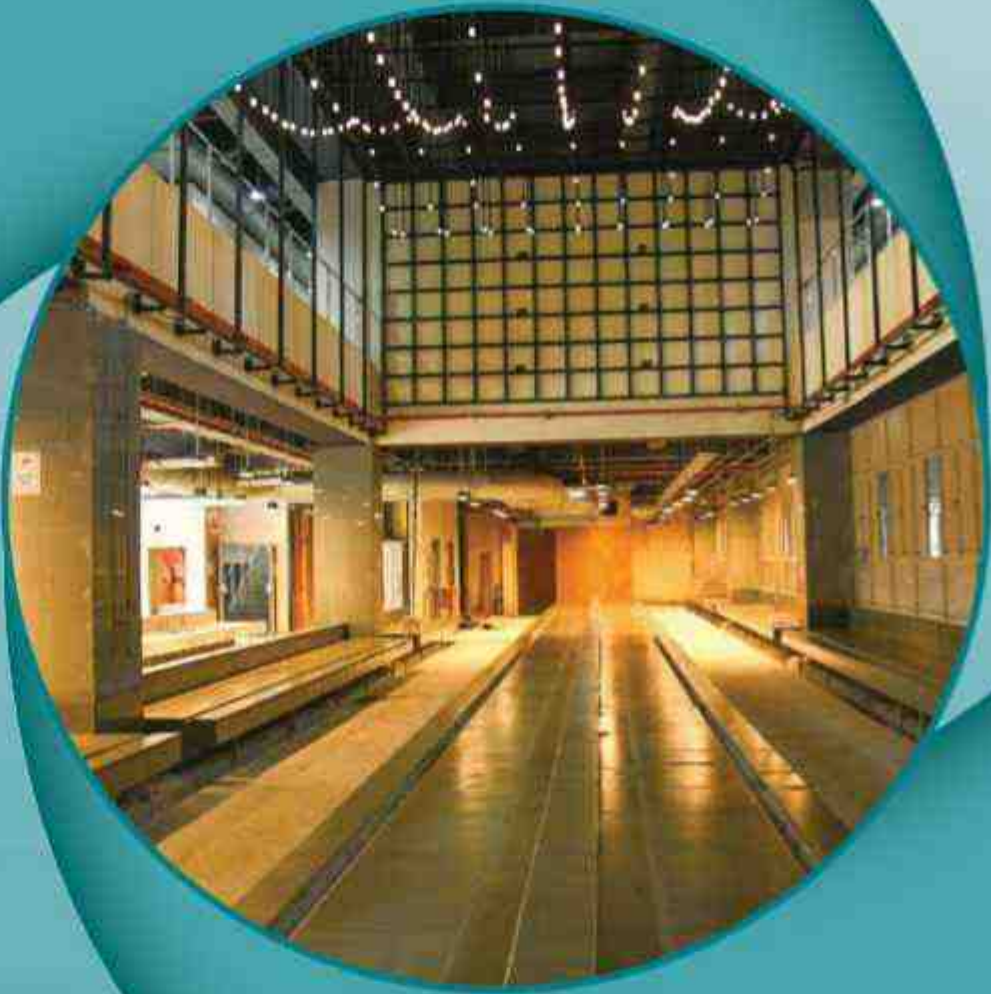
Un-attempted complaints are automatically escalated to higher authorities such as Assistant Commissioner to Dy. Municipal Commissioner to Additional Municipal Commissioner.







Licensing Control





Municipal market at Bhuleshwar



Municipal market at Bhuleshwar



Licensing Control

(1) LICENCE DEPARTMENT :

The Licence Department Brihanmumbai Municipal Corporation is fulfilling the obligatory duties of the Corporation enlisted in section 61 (j) and (o) of the M.M.C. Act, 1888 amended upto date.

1) Licensing of Trades and Storages :

The Licensable Trade / Storages mentioned in the Schedule 'M' attached with section 394 of the Mumbai Municipal Corporation Act, 1888 amended upto date are being controlled by the Licence Department. According to rules & Regulations of the Corporation and as per section 479 of Mumbai Municipal Corporation Act, 1888 licences for trades and storage are granted. Under section 471 of Mumbai Municipal Corporation Act, 1888 the persons trading and storing unauthorizedly are fined. Further, if unauthorized trades and storages are dangerous to lives of citizens then, under section 394 (4) of Mumbai Municipal Corporation Act, 1888 amended upto date the goods will be seized. Legal action taken against unauthorized production and storage of inflammable, dangerous & hazardous chemicals. Sometimes seizure action against such production and storages taken under section 516 AA of Mumbai Municipal Corporation Act, 1888 amended upto date.

'SAP SYSTEM' has been adopted by the Brihanmumbai Municipal Corporation for computerization with effect from 1st April 2007, to grant licences wherein licences are being issued under section 394 as per checklist and renewed on yearly basis. Services to grant new licences and renewal of licences under section 394 of M.M.C. Act, 1888 have been made online and also integrated with 'Aaple Sarkar' portal of State Govt. of Maharashtra.

2) Control on Projections :

Stall Boards, showcases, projections projecting on the Municipal Roads/ Footpaths are being controlled under section 313 (1) (b) (c) of Mumbai Municipal Corporation Act, 1888. In this regard if shop owners produced documentary evidence of ownership of shop premises then permission is granted for showcases, rolling shutter box, over hanging awning, weather frame etc and the same is renewed on yearly basis. Online services are provided to grant new licences and renewal of licences under section 313 (1) (b) (c) and also integrated with 'Aaple Sarkar' portal of State Govt. of Maharashtra.

3) Control on Squatters and Street Vendors :

The Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act 2014 has been published by Central Govt. of India on 1st May 2014. As per section 36(1) of said act Government of Maharashtra published rules viz. Maharashtra Street Vendors (Protection of Livelihood and Regulation of Street Vending) (Maharashtra) Rules, 2016 on 3rd August, 2016. Subsequently, as per provision under Section 38(1) State Government of Maharashtra has published Street Vendors (Protection of Livelihood and Regulation of Street Vending) Scheme - 2017 on 9th January 2017. Hon'ble Mumbai High Court in WP 652 of 2017 on 01st November 2017 on 9th January 2017 has directed that this scheme may be use as general guideline.



Presently, as per directions issued by Hon'ble High Court Encroachment Removal Actions are being taken against encroachment of unauthorized hawkers squatting on more than 1mt. X 1mt. area obstructing pedestrian way and blocking the entrance of Shops and Residences and against hawkers engaged in cooking or preparation of food items on Municipal Footpath/Roads except Licensed Hawkers.

4) Advertisements :

To grant of permission for display of Sky signs and advertisement under section 328 and 328A of Mumbai Municipal Corporation Act, 1888 Brihanmumbai Municipal Corporation has formulated revised Policy Guidelines on 10th January 2008 to enhance the aesthetic beauty of Mumbai City by modifying the earlier Policy Guidelines on 02-12-2022. It is now decided that no new hoardings will be permitted on rooftop and terraces and minimum distance between two hoardings on poles shall now be 70 mtrs instead of 100 mtrs. New hoardings shall not be permitted on Structures / Buildings in Heritage Precincts and heritage important as per D.C.R. Rule 48 (3) and new permission is granted for new L.E.D. Advertisement Boards.

Zonal Restrictions regarding standard size of advertising board have been removed however, advertisement boards standard size is permitted with respect to availability of space. Similarly, maximum 10' x40' size is permissible for the advertisement board displayed on residential structure. Also permission will be given standard size on skywalks, Foot over Bridge, Flyover. Advertisements are being permitted on Electric Poles. Height limit of hoardings from ground is increased upto 120 feet. As a special novelty, advertisement on drone and floating boat will be allowed. However advertisement on Cantilever, Gantry and bicycle / tricycle is not permitted.

Permission on Municipal properties by erecting and display of hoarding will be given only through E-Tender / E-Auction. While allowing advertisement on Municipal owned services and facilities, Permission will be given subject to repairing and maintenance of such services/facility and without charging Licence fee. The Government / Semi Government organizations will be allowed to float tenders for advertisement on their properties subject to permission from Brihanmumbai Municipal Corporation and sharing of revenue with Brihanmumbai Municipal Corporation earned from said advertisement. As a new matter, commercial / trade are allowed to display advertisement not related to their business. Considering the interest of public safety, no new permission for hoarding shall be granted or renewed without obtaining all required documents Structural Stability Certificate for hoarding of building from Government / Municipal Licensed Structural Engineer.

Permission for display of Political Banners, Birthday Greetings, Anniversary Greetings etc. on roads and footpath are banned within Brihanmumbai Municipal Jurisdiction as per Hon'ble High Court's Order. The unauthorized Banners, Posters, cut out etc. displayed on roads & footpath in the city of Brihanmumbai Municipal Corporation are immediately being removed by the Encroachment Removal Section of Licence department with the help of Advertisement Inspectors working at ward level.

(2) SHOPS AND ESTABLISHMENT :

For regulating the conditions of work of employment in Shops, Commercial Establishments, Residential Hotels, Restaurants, Eating Houses, Theatres etc., The Maharashtra Shops and Establishments (Regulation of Employment and Conditions of



service, Act, 2017 is enacted. The Act is implemented in the whole of the State of Maharashtra. The implementation of this Act in the jurisdiction of Brihanmumbai Municipal Corporation is handed over to Brihanmumbai Municipal Corporation from 19th December 2017. The Act is implemented by Shops and Establishment Department in the jurisdiction of Brihanmumbai Municipal Corporation. Also, Child Labour (Prohibition and Regulation) Act, 1986 is implemented by this department, with effect from 29th August 1997.

As per the Maharashtra Government's notification dt. 23-03-2018 and Maharashtra Non-biodegradable Garbage (Control) Act, 2006, the officers & Facilitators working under Chief Officers (Shops & Estt.) are authorised & empowered to take action in respect of the provision of Maharashtra Plastic and Thermocol Products (Manufacture, Usage, Sale, Transport, Handling and Storage) Notification 2018. As per the Municipal Commissioner's orders Chief Officers (Shop & Estt.) Assistant Commissioner (Market) and Superintendent of Licence has taken action as per above Notification and Central Government's Plastic Waste Management (Amendment) Rule, 2021. During the period from 01-04-2023 to 31-03-2024 seized 3,401.971 Kg. plastic and recovered Rs. 87,05,000/- as a fine from the offenders.

As per the resolution of Municipal Corporation under no. 458 dated 21st June 2012, Facilitators of Shops & Establishment Department, Inspectors of Licence and Market Department & their Supervisory Officers and all Asst. Commissioner of Ward are empowered to take compounding fees Rs. 5,000/- for first offence & Rs. 10,000/- for second offence under section 12 of the Maharashtra Non-biodegradable Garbage Act, 2006 from any person violating the provisions of Prohibited Plastic, Carry Bag.

(3) Market :

There are 92 Existing Municipal Retail Markets, 108 Markets Accommodation Reservation and 16 Private Markets under the jurisdiction of Markets Department of Brihanmumbai Municipal Corporation. The total municipal licensees in these markets are 19063. The Operation of the market is done through the Assistant Commissioner (Market) & Minor repairs of Markets are being done by the concerned Ward Office.

As per The Mumbai Municipal Corporation Act, 1888, section 410 (1), 411, 412, 415, 416, 417, 476 AB Seizures action as per complaints and laying lines at illegal slaughter are carried out through 'Special Vigilance Squad' of the Market Department. The confiscated Chickens and Fish are auctioned off and the confiscated animals are handed over to the General Manager, Deonar Slaughter House for handing over to the contractors. License to outside meat shops are issued by market department as per the prescribed terms and conditions.

Redevelopment of Municipal Markets :

It is proposed to redevelop 21 markets by Brihanmumbai Municipal Corporation (Market Department) as per Regulation No. 33 (21) (A) of DCPR 2034, Out of which redevelopment work of 04 Markets is in progress and average work completion status of said markets are Mahatma Jyotiba Phule Market 35%, Babu Genu Market - 80, Shirodkar Market - 20% & Topiwala Markets - 15% is completed. Major repairing of J. B. Shah Market, Dongri Market, Fort Market, Laxmanrao Yadav Market, Lal Bahadur Shastri Market & Hawker Plaza Market are being undertaken through Building Maintenance Department. The Major repairing of Kranti Singh Nana Patil Market it's traditional look is



being undertaken through Building Maintenance Department, Further the redevelopment of 20 markets for which valid Annexure - II & Letter of intent (L.O.I.) is issued in past is undertaken through private developers appointed by Markets Association as per Regulation No. 33 (21) (C) of DCPR 2034. The Organic Waste converter (OWC) plant is installed on part portion of Airoli Octroi Naka plot.

Allotment of alternative Commercial Space to Project Affected Persons (PAP)

Under the various initiatives / project of Brihanmumbai Municipal Corporation, action is taken through the Market Department to rehabilitate the commercial Project Affected Persons (PAP) by allotting them alternate accommodation available under accommodation reservation. The PAP Allotment through Online System is under process.

The policy regarding granting monetary compensation to PAP's instead of granting spaces has been approved & the same is being implemented by the concerned Wards. The license fee and shop stallage rent are being collected online.

(4) VETERINARY HEALTH DEPARTMENT :

Brihanmumbai Municipal Corporation vide resolution no. 87 dated 04-05-2018 has created a separate 'Veterinary Health Department' by streamlining the veterinary services available in the city from the point of view of public health. The services of Deonar Abattoir, Regional Veterinary Services, Dog Control Office, Cattle Pound Office, Municipal Veterinary Dispensary at Khar are covered under 'Veterinary Health Department' The Detailed information of the said Department is as follows:

1) DEONAR ABATTOIR

As per section 61(h) of M.M.C. Act, 1888, it is an obligatory duty of Brihanmumbai Municipal Corporation to construct and maintain slaughter house for citizens of Mumbai. The main objectives of Brihanmumbai Municipal Corporation behind the construction of an Abattoir are as follows -

1. To provide clean wholesome and hygienic meat to the citizens of Brihanmumbai Municipal Corporation.
2. Collection and disposal of slaughter house waste scientifically to prevent contamination and pollution.
3. To provide separate market place to the animals arriving for slaughter purpose.

Deonar Abattoir is situated on 64 acres of area which is divided into three parts :-

- | | | |
|-------------------------------|---|----------|
| 1. Actual Slaughtering Units | - | 21 acres |
| 2. Liarages and Resting Sheds | - | 19 acres |
| 3. Grazing area | - | 24 acres |

Sheep/Goats and Buffaloes from neighboring states like Gujrat, Madhya Pradesh, Karnataka, Rajasthan as well as from different districts of Maharashtra arrive at Deonar Abattoir for slaughter purpose. After arrival at Deonar Abattoir, these animals immediately undergoes Ante-Mortem inspection by Veterinarians. After Ante-Mortem inspection animals are provided with ample quantity of food and water. Then these animals undergoes process of buying and selling in market place situated in Deonar



Abattoir. Animals purchased by shopkeepers are brought to slaughtering units for slaughter purpose.

After scientific slaughtering procedures, carcasses of animals undergoes detailed post-mortem inspection by Veterinarians and then carcasses get dispatched to respective meat shops in Mumbai.

Facilities available at Deonar Abattoir :-

1. As per order of National Green Tribunal, Pune for scientific disposal of slaughter house waste, Biomethanation plant of 15MT has been installed in Deonar Abattoir. Installation of Biomethanation plant is executed under the supervision & technology from Brihanmumbai Municipal Corporation and Bhabha Atomic Research Centre. About 07-08 Metric Ton Biowaste generated daily due to animal slaughter is used in the said plant & nearly 400-450 cubic meter methane gas is generated from this Biowaste. From this gas 40 units electricity is generated daily with the help of 65.5 KVA generator.
2. Deonar Abattoir has a facility of effluent treatment plant where contaminated water generated during the slaughtering procedure is treated and then used for gardening & road washing in Deonar Abattoir.
3. Solar boiler plant has been installed for slaughtering of pigs Deonar Abattoir due to which electricity will be saved.

In addition to local supply, the abattoir has the capacity to slaughter sheep and goats is used for Export purpose and the revenue generated from this is quite substantial too.

Bakri Eid Arrangement :

During the religious festival of Bakri Eid, the Deonar Abattoir observes additional arrangements beyond its daily operations. Annually, approximately 2 to 2.5 lakh goats and 10,000 to 12,000 buffaloes/male buffaloes are sold at the Deonar Abattoir during Bakri Eid. These animals are provided temporary sheds, additional water supply and electricity facilities by the Brihanmumbai Municipal Corporation. Additionally the corporation offers toilets, drinking water and rest houses for traders selling the animals. Animals begin to arrive 10 to 15 days before the Bakri Eid festival, prompting the provision of these facilities. To ensure law and order, extra police force and security guards are appointed. CCTV cameras are installed to monitor area. Temporary canteens are also set up by Deonar Abattoir for citizens purchasing animals. During the 15 days period of Bakri Eid approximately 70-75 metric tons of garbage is generated and round-the-clock garbage collection services are provided by contractors. Furthermore, additional veterinarians from Mumbai Veterinary College are appointed to treat animals brought for sale at the Deonar Abattoir during Bakri Eid. Sanitation cleaning of the premises is carried out by sanitation workers of the Brihanmumbai Municipal Corporation, with the assistance of NGO's.

Sheep and goats purchased for religious purpose are permitted to be taken home under section 403(2)e. It is mandatory to purchase buffaloes/male buffaloes for religious purpose and slaughter them in the Deonar Abattoir, for which necessary arrangements are made by administration for slaughtering on Bakri Eid and the two days following.



Slaughter Charges :-

1. Sheep/Goats for local slaughter :- Rs.40/-
2. Sheep/Goats slaughter for export :- Rs.75/-
3. Suburban/ Midnight Sheep/Goat :- Rs. 25/-
4. Buffalo/ Male buffaloes without transport :- Rs. 145/-
5. Buffalo/ Male buffaloes with transport :- Rs. 270/-
6. Pigs :- Rs. 55/-

2) DOG Control Department :

Stray dogs complaints and animal birth control programme of stray dogs is undertaken by Dog Control Department of Brihanmumbai Municipal Corporation. There are four Dog License Establishment offices under Dog Control Department viz.

1. Mahalaxmi DCO : 9987798436
2. Malad DCO : 9076202208
3. Bandra DCO : 9076202208
4. Mulund DCO (022-2561 8000) / (022-25618001)

Total 16,892 dogs were sterilized in 2023-24. On 28th Sept. 2023 observed as "World Rabies Day" a total of 45,918 stray dogs & 4746 stray Cats were vaccinated against Rabies in 24 wards by Brihanmumbai Municipal Corporation's Dog Control Department. Rabies & Leptospirosis Awareness program was started in Municipal schools from 23rd July 2018 and about 194 schools (425 sessions) have been covered till date.

3) Cattle Pound Office :

Action against stray animals are taken under section 441 (C) to (G) of M.M.C. Act, 1888. Total 328 stray animals were seized in 2023-24. Total revenue generated was Rs. 11,30,014/-.

4) Zonal Veterinary Services :

Brihanmumbai Municipal Corporation has provided regional veterinary services. The said Veterinary Services have been made available in 07 zones of Brihanmumbai Municipal Corporation. Under these services, sterilization of stray dogs in the Brihanmumbai Municipal Corporation area, rabies vaccination against stray animals, licensing of pet dogs etc. being carried out.

5) Online Dog Licenses :

The process of issuing dog licenses under section 191(A) of M.M.C. Act, 1888 has been made 'ONLINE' since April 2018. Application for Dog License or its renewal can be made on Brihanmumbai Municipal Corporation's web portal (portal.mcgm.gov.in)

6) Khar Veterinary Dispensary :

Treatment facility for animals is made available at nominal fees at the Municipal Veterinary Dispensary situated at Khar (W).



Upcoming Projects of Veterinary Health Department

1) Deonar Abattoir Modernisation and Development :

The initial phase of the Deonar Abattoir Modernisation and Development project, which encompassed tasks such as constructing a protective wall, repairing shelters, buildings and external rainwater drain diversion, has been successfully completed.

The subsequent phase of the project involves the construction of the main slaughterhouse as well as management and maintenance works. Currently, the process is underway to solicit a survey and detailed project report from an expert consultant to assess the feasibility of the project and determine the potential revenue that can be generated from the Abattoir.

2) Veterinary Hospital at Mahalaxmi :

Brihanmumbai Municipal Corporation has set up a veterinary hospital on Build, Operate and Transfer (BOT) basis in Mahalaxmi in collaboration with TATA Trust to provide health facilities to stray and domestic animals in Mumbai. With modern facilities, the services and public offering of the said hospital is set to be operational from June 2024.

3) Crematoriums for Animals :

A 50 kg/hr PNG fired animal incinerator has been started by the Brihanmumbai Municipal Corporation at Malad (West) since June 2023. On the same lines, construction of 50 kg/hr and 500 kg/hr animal incinerators is underway at Mahalaxmi (City) and Deonar (Eastern suburbs) respectively and the said animal incinerators will be operational by December 2024.

4) Establishment of Headquarters of Veterinary Health Department at Khar :

The headquarters of Veterinary Health Department is being constructed at the location of Khar Veterinary Dispensary, where in along with the headquarters, a dispensary For animals equipped with advance diagnostic and treatment facilities and a zoonotic diseases laboratory will be set up. The work is being carried out by Health Infrastructure Cell department (HIC) of Brihanmumbai Municipal Corporation.

5) Modernization work of Cattle Pound Office at Malad :

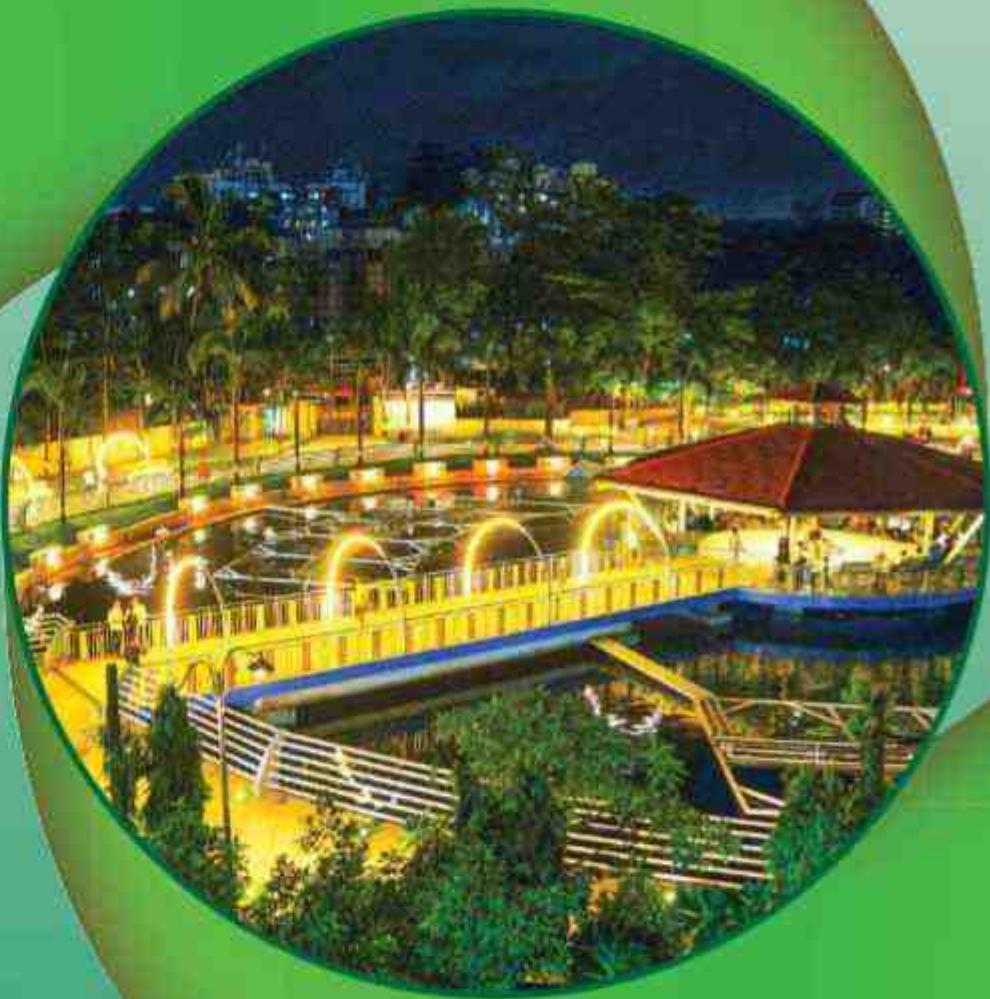
The Modernization work of Cattle Pound Office at Malad has been started by Contractor and it is executed by Deputy Chief Engineer (Building Construction) (W.S.) department. The work of Cattle Pound Office, Separate sheds for Bullocks, Cows & Calves facility for treatment of injured animals will be provided at Cattle Pound Malad.







Recreation Amenities





Kilachand Municipal Garden, Malabar Hill



Swatantryaveer Vinayak Damodar Savarkar, Municipal Garden



Recreation Amenities

1. GARDENS AND ZOO :

Veermata Jijabai Bhosale Botanical Garden and Zoo at Byculla

Veermata Jijabai Bhosale Botanical Garden & Zoo is one of the oldest zoos in the country & spread over approx. 53 acres of land. This Udyan & Zoo is declared as 'Heritage Grade II (B)' site. This Udyan & Zoo has been recognized as 'Medium Zoo' upto 25th December 2025 by Central Zoo Authority, New Delhi.

Veermata Jijabai Bhosale Botanical Garden and Zoo Timings, Visitor Footfall and Revenue :

- ❖ This Udyan - Zoo is kept open for visitors from 9.30 am to 6.00 pm on all days of the year excluding Wednesday.
- ❖ As on 31st March 2024, there are in all 314 animals, which include 69 mammals of 11 Species, 223 Birds of 15 Species and 22 Reptiles & Aquatic Animals of 06 Species displayed in this Udyan & Zoo.

Financial Year	No. of Visitors	Revenue (Rs.)
2022-23	28,55,418	11,17,37,386/-
2023-24	30,16,827	11,98,37,171-

Modernization Project of Veermata Jijabai Bhosale Botanical Garden & Zoo -

- ❖ In the second phase of the modernization project of this Garden & Zoo undertaken by the Brihanmumbai Municipal Corporation, almost all the animal exhibits have been completed in the year 2023-24 and the tender procedures for third phase development works have been initiated.
- ❖ The online ticketing is fully initiated now and self-ticketing kiosks have been installed at the Zoo entrance for visitors usage.
- ❖ Veermata Jijabai Bhosale Botanical Garden and Zoo is a 'Plastic-free Zone' and bringing single-use plastic items into the Zoo has been completely banned since October 2023. The seating benches have been made by recycling single-use plastic bottles collected from tourists. These benches have been installed in the Zoo for the convenience of tourists.

2. Dr. BHAU DAJI LAD (MUMBAI CITY) MUSEUM :

From 1st December 2023 it was decided to open the facilities located in the Museum Plaza. In the fiscal year 2023-2024, the Museum Trust has conducted approx. 150 educational and outreach sessions, including sessions in Marathi and Hindi. These sessions included virtual learning, in-person school and N.G.O. Visits, Workshops, Film Screenings, Public Lectures, Storytelling Sessions and Exhibition Tours over 20,000 participants. The Museum Trust also conducted a special storytelling festival in February 2024 exclusively for B.M.C. Schools in collaboration with Story Xpress which was attended by over 250 students. The Trust has also reached out to local B.M.C. schools in the Byculla area to conduct educational workshops as the students are unable to access



the Museum. In January 2024, to celebrate the 75th year of the Indian Constitution, the Museum Trust launched an initiative called 'The Children's Book Corner' in the Museum Café. Over 100 books in Marathi and English are available for children to read for free and weekly reading and story sessions are held.

The Museum Trust showcased two exhibitions at the Special Project Space between December 2023 to March 2024, after the Museum Plaza reopened to the public, 'History Lab' by eminent artist T. V. Santosh and Kalanand, an exhibition supporting emerging artists of India in collaboration with Prafulla Dahanukar Art Foundation. Many walk throughs of the exhibitions were conducted V.I.P. visitors like Mr. Mike Hankey, US Consul General Mrs. Em My, Vietnam Consul General; the Director of Fitzwilliam Museum, Cambridge, Mr. Luke Syson and others visited the exhibitions. The Museum Trust's Exhibition, Education and Outreach Programme is supported by the Jamnalal Bajaj Foundation and other donors.

The Managing Trustee was awarded the prestigious Rotary Shakti Award in March 2024 by the Rotary Club of Mumbai. She was invited to speak at several international and national conferences including 'Curating for Everyone' at India's first Museum Expo by the Ministry of Culture, Government of India and Cultural Confluences: Empowering Creative Industries of the Future organized as part of the Culture Working Group under India's G20 Presidency.

3. MUNICIPAL SWIMMING POOLS

1) Mahatma Gandhi Memorial Olympic Swimming Pool, Dadar :

Mahatma Gandhi Memorial Olympic Swimming Pool is owned by Brihanmumbai Municipal Corporation. After re-development, the pool was opened to members from 1st October 2011. The swimming pool is situated at the central place at Shivaji Park, Dadar (West). After paying annual membership fee the members are offered swimming facility of Olympic level. Membership at Mahatma Gandhi Memorial Olympic Swimming Pool can be taken through online system with effect from 25th Aug. 2022. The said swimming pool is prestigious one for Brihanmumbai Municipal Corporation.

2) Sardar Vallabhbhai Patel Swimming Pool, Kandivali (West) :

Brihanmumbai Municipal Corporation's Sardar Vallabhbhai Patel Swimming Pool, is situated at Mahatma Gandhi Cross Road No. 2, Kandivali (West), was opened on 1st March 2022 for members after redevelopment. The sports complex constructed with New Olympic size Swimming Pool, Baby Swimming Pool, Canteen, Badminton, Table Tennis, Lawn Tennis, Gymnasium etc. at this place.

3) Ghatkopar Lions Municipal Swimming Pool, Ghatkopar (East):

This Swimming Pool was started on 28th March 1971. About 4,000 Members were availing the facilities of the said Swimming Pool every year. Previously the Lawn in front of Swimming Pool, the Canteen and mini ground within the campus of Swimming Pool was given on rental basis for various functions, on terms & conditions. Swimming Pool has been closed since 30th January 2019 due to massive leakage of water from the Swimming Pool. The work of redevelopment of the said Swimming Pool is being done through Deputy Chief Engineer (Building Construction), Eastern Suburbs.



A Well-equipped Sports Complex with Olympic size Swimming Pool and various other types of sports activities with all facilities will be constructed and made available to the Citizens.

4) General Arunkumar Vaidya Swimming Pool, Chembur (East) :

General Arunkumar Vaidya Swimming Pool is situated at Chembur (East) adjacent to 'M/West' Ward Office of Brihanmumbai Municipal Corporation. The said swimming pool is reopened for the members from 11th September 2018 after completion of the re-development work. This swimming pool is as per the Olympic size of 25 x 50 meters. Diving pool size is 18.10 x 12 meters and Kids pool size is 16 x 8 meters. The admission process for membership of all the Swimming Pools of B.M.C. is made online from 24th August 2022 through the website (<https://swimmingpool.mcgm.gov.in>). As a result maximum citizens are taking benefit of Swimming. The timings of Swimming Pool from Tuesday to Sunday for general batch is from 06.00 a.m. to 11.00 a.m. and 6.00 p.m. to 10.00 p.m and Special batches for Ladies are from 11.00 a.m. to 12.00 noon. and 05.00 p.m. to 06.00 p.m. At present there are around 5,200 members. Training camps are arranged in the afternoon from 12.30 to 4.30 in summer vacations.

5) Ozone Olympic Swimming Pool, Goregaon :

The Nirlon Swimming Pool of the Brihanmumbai Municipal Corporation was subsequently taken over after successfully completing the Brihanmumbai Municipal Corporation tender process & procedure, with other relevant statutory matter by the 'Prabodhan Goregaon Trust'. Thereafter in January 2005 the said pool was opened for the general public after completion of repair works within stipulated time period of 6 months which was given by Corporation.

The membership is being availed to the employees of the Brihanmumbai Municipal Corporation and Mumbai Police at nominal yearly charges. While re-building the said pool, one speciality was added that the said pool was ozonised with Ozone Gas Generation. Swimmers are facing side effect such as burning of eyes and falling of hairs, Skin defects, Eyes getting red etc. because of water in the other pools is being purified with chlorination process. As water purified by Ozone process, pleasure of swimming is doubled as the swimmers are saved from side effects. Ozone Swimming Pool take lot of care regarding water cleaning and maintain crystal clean water.

Ozone Swimming Pool train national & international Level Swimmers at Ozone Swimming Pool. Our student should get best level of training coaching with all facilities at Ozone Swimming Pool.

The Ozone Swimming Pool is closed on every Monday for maintenance work.

6) Shree Murbalidevi Swimming Pool & Gymnasium :

Shree Murbalidevi Swimming Pool & Gymnasium facility was started in the year 2016-17 by Brihanmumbai Municipal Corporation at Dahisar (East). There is single 25 M X 15 M Swimming Pool and Gymnasium with modern equipments. This Swimming Pool & Gymnasium is receiving good response from local citizens. On an average 1,500 to 2,000 Members enjoy the facility of Swimming. Private contractor provides the Maintenance, Security & Housekeeping Services as per the terms and conditions mentioned in the tender. This establishment is managed & administered by the B.M.C. employees and handle by the Manager.



4. Sports Complex :-

(1) Shahaji Raje Bhosale Kreeda Sankul, J. P. Road, Andheri (West).

'Shahaji Raje Bhosale Kreeda Sankul', Andheri (West) was built by Brihanmumbai Municipal Corporation in the year, 1988 to provide excellent sports and cultural facilities to the citizens residing in the Western Suburbs of Mumbai. Management and maintenance of the Sports Complex is entrusted by B. M. C. to 'Brihanmumbai Kreeda Ani Lalitkala Pratishthan' Trust. The Trust is managed by Board of Trustees consisting of Mayor as Chairman, Municipal Commissioner as Dy. Chairman and various municipal officers as well as V. I. P. dignitaries from various sports and cultural fields as members.

Three Important Sections in Complex -

A) Sports Training Centre : We have well equipped Sports Training and Indoor Games hall which provides games like Badminton, Table Tennis etc. In Diwali and Summer vacations sports and cultural activities like Swimming, Karate, Yoga, Aerobics, Skating, Dance, Drawing etc. are organized. In the Sports Training Centre building various competitions of the games like Chess, Carrom, Weight Lifting, Power Lifting, Badminton, etc. are conducted at various levels like Inter-Schools, Inter-Collegiate, Inter-State and International. Mayor's Trophy is also conducted here. There is Lecture Hall providing about 205 chairs and a stage with a podium. There are 03 other halls which are used for meeting, conferences and small functions, etc.

In addition to this, excellent lodging arrangement consisting of 56 rooms, of which 28 room are fully furnished A/C. Residence facility provided to NDRF. Excellent food facilities are provided through canteen for the benefit of members.

B) Swimming : This Complex have an Olympic standard swimming pool, wherein thousands of people have acquired expertise training in swimming, under the able guidance of trained coaches. We have trained national as well as international Standard of players, Advanced training batches and also Diwali and Summer camps are arranged for the members. Various levels of competitions like District, State, National, International level and also for disables are conducted in the swimming pool. Next to the swimming pool there is an Art Gallery on the ground of Jahangir Art Gallery named 'Chitrakar Dinanath Dalal Kaladalan' for upcoming artist to demonstrate their art to the public in a very reasonable rate.

C) Mumbai Football Arena : In the Mumbai Football Arena there is an International Level Football ground covered with natural grass provided with facilities like players changing room, medical room, toilets, office referee room, anti doping room, highmast, store room, match commissioner room, press conference room etc. In this stadium ranking matches like India Super League, Mumbai Football league matches as well as district, state, national and international levels matches are held. In this Stadium there is an artificial turf football open ground connected with natural grass football ground. There is an independent space for jogging members. In future there is a proposal for different activities in the stadium.

Facilities which are conducted by Pratishthan gives 50% rate concession to the Senior Citizens and School going students who cannot afford private clubs. Free News Paper reading facility has been started for the members of the Complex and Senior Citizens.



(2) Priyadarshini Indira Gandhi Kreeda Sankul, Mulund (West) :-

'Priyadarshini Indira Gandhi Kreeda Sankul,' Mulund (West), was built by Brihanmumbai Municipal Corporation in the year 1988 to provide excellent sports and cultural facilities in different sports to the citizen residing in the eastern suburbs of Mumbai. Management and maintenance of the Sports Complex is entrusted by the B.M.C. to 'Brihanmumbai Kreeda Ani Lalitkala Pratishthan' Trust.

The Trust is managed by Board of Trustees consisting of Mayor as Chairman Municipal Commissioner as Dy. Chairman and V. I. P. dignitaries from various sports and cultural fields as members.

There is an Olympic standard swimming pool, wherein thousands of people have acquired expertise training in swimming, under the able guidance of trained coaches.

'Sports Training Centre' provides Badminton, Table Tennis, Yoga, Karate and New Ultra Modern Gym. In Diwali and Summer vacations sports and cultural activities like Swimming, Badminton, Cricket, Aerobics, Yoga, Karate, Skating, Dance, Drawing etc. are provided to the children residing near complex.

Recently Basket Ball and Rifle Shooting started in this complex. Here also started library for Senior Citizens and a sitting arrangement for them named as 'Senior Citizen Katta'.

'Mahakavi Kalidas Natya Mandir' is situated in the Complex which is second biggest A/C Auditorium having seating capacity of 1,313 seats meant mainly for Marathi dramas and other programmes.

Here also Lawn Tennis, Squash and Gymnastic sports activities are started for the members. Open Space is used for Marriages, Conferences, Satsang and other programmes. Excellent food facilities are provided through canteen for the benefits of members and various Artists who gather at the time of programmes. In addition to that open ground and two big hall with Air-Conditions facility are provided on rental basis.

Scuba diving activity is going to start shortly. Free library facility has been started for the Members of the Complex and Senior Citizens.

Priyadarshini Indira Gandhi Kreeda Sankul has newly started facilities like Artificial Football Turf, Lawn Tennis, Cricket, Archery, Multipurpose Games facilities also Football facility newly started in the Complex. Members of Swimming Pool, Badminton, Gymnastic has shown tremendous performance in District, State and National level competitions. Administration is trying their best efforts for renovation of swimming pool.

5. MUNICIPAL THEATRES :

1) Prabodhankar Thackeray Open Air Theatre, Sewri :

Prabodhankar Thackeray Theatre is an Open Air Theatre with an open ground having the sitting capacity of approximately 2,500 audience.

The stage can be booked against the scheduled fees for sets of Drama, Drama and Social, Cultural programmes. The two halls over here can be booked against the scheduled fees for Marriage Ceremonies, Religious Programmes and Non Political Meetings, etc.

A study room is also available free of cost for toiling and poor students exclusively for doing their studies.



2) Master Deenanath Mangeshkar Natyagruha, Vile Parle (East) :

Master Deenanath Mangeshkar Natyagruha, situated at Late Natvarya Datta Bhat Marg, Vile Parle (East), is established in the year 1978. It is a fully air-conditioned theatre having a capacity of 916 seats with separate Green rooms and Rehearsal room. The theatre has self operated electric system. The theatre can be booked for staging Dramas, Cultural Programmes, Orchestras etc. by paying prescribed amount of deposit and rent in advance. Air conditioned rehearsal room for rehearsal of Dramas, Orchestra etc. and two Air conditioned Conference Hall and Meeting Room for conferences & meetings, etc. can also be booked in advance on payment of prescribed amount of deposit and rent. Theatre has one Air conditioned reading room for the purpose of reading of drama scripts which can be booked in advance on payment of prescribed amount of rent.

3) Prabodhankar Keshav Sitaram Thackeray Natyamandir, Borivali (West) :

Prabodhankar Keshav Sitaram Thackeray Natyamandir Complex is situated at Sodawala Lane, Borivali (West). It Comprises of Main Theatre (1,026 seats), Mini Theatre (211 seats), Rehearsal Room, Residential Rooms, Mini Cell, Conference Hall & Art Gallery, Community Hall and two Multipurpose Halls. All the activities are air-conditioned and run by Brihanmumbai Municipal Corporation. Reservationists have the facility to make reservations of Samajmandir and both the multi-purpose halls with air-conditioned as well as without air-conditioned facilities. Main & Mini Theatre are well equipped with modern electronic light systems and sound system. The facility of Cry Room is provided for children in the Main Auditorium. Diesel Generator Set is installed to provide electric supply in case of failure in electric supply. Community Hall with AC and Multipurpose Halls are given on reasonable rent for Marriages, Functions, Meetings and Seminars etc. Pay & Park facility having parking lot with a capacity of about 100 vehicles is made available for Visitors & Audience. Semi Government security guard Board is appointed in co-ordination with Municipal security service for security of complex. The complex also comprises of the offices of The Municipal Co-op. Bank, Borivali Branch, Akhil Bhartiya Marathi Natya Parishad, Borivali Branch, Gyan Vihar Library run by Borivali Sanskrutik Kendra is given on rental basis. Conference Hall is given on rental basis and Majestic publication have been given for book exhibition/ sale at discounted rates. Mumbai Marathi Grantha Sangrahalay, Borivali Branch has been recently shifted in complex on temporary basis. A well-equipped modern Fire Fighting System is installed in the complex for safety purpose.

4) Annabhau Sathe Natyagruha, Byculla (East) :

The Annabhau Sathe Open Theatre at Veermata Jijabai Bhosale Udyan in Byculla (East) has been redeveloped and an air-conditioned closed theatre with 761 seating capacity has been set up there with modern lighting and sound system. The theatre has a cry room facility. A diesel-powered generator is also available to supply power in case of power outage. CCTV cameras have been installed everywhere in the complex for security purposes as well as modern fire fighting system has been installed. In the basement of the theatre, there is a paid mechanical parking facility available with capacity of about 32 vehicles. The theatre is open for public from 1st April 2023. Canteen Facility will be made available to the audience very soon.

The interior of the theatre is very attractive and the facilities of the theatre are mainly available for drama, plays, orchestras, conventions and shooting for various channels.





Utility Services





Best EV Double Decker AC Bus



BEST Electric House



Utility Services

THE BRIHANMUMBAI ELECTRIC SUPPLY AND TRANSPORT UNDERTAKING (of the Brihanmumbai Mahanagarpalika) TRAFFIC DEPARTMENT – 2023-24

The Brihanmumbai Electric Supply and Transport, Undertaking of the Municipal Corporation of the Greater Mumbai provides 'Transport' facility in the areas of Greater Mumbai as well as certain prominent areas of the align cities. Further the Undertaking provides 'Electric Supply' to the natives of area belonging to prime city i.e. upto Sion and Mahim. The initial bus operation of the Undertaking was restricted to the Greater Mumbai area, however, after the specific requests from the residents of the align cities the bus operation is extended to the prominent places in the cities like Navi Mumbai, Thane and Mira-Bhayander since 1984.

Features of the Bus Operation are as follows -

1. Bus Fleet :

The undertaking has it's own fleet as well as hired fleet comprising various types of buses as details I following statement - (as on 31-03-2024)

Details	Non Air-Conditioned			Air-conditioned					Total
	SD	Midi	Electric	Midi	Mini	Electric			
						SD	Midi	DD	
Owned	732	335	06	25	00	00	00	00	1,098
Wetlease	479	00	20	625	280	242	220	49	1,915
Total	1,211	335	26	650	280	242	220	49	3,013

2. Bus Routes :

The Undertaking has introduced it's bus operation in entire vicinity of Greater Mumbai and is also extended to the prominent places in the align cities i.e. Navi Mumbai, Thane and Mira-Bhayander. The bus operation of the Undertaking is serving mainly as the support line to Mumbai Suburban Rail services. Hence the basic operation is afeeder services connecting residential colonies to railway stations and railway stations to commercial hubs. The entire bus operation is classified as Ordinary, Limited, Corridor and Air-conditioned services.

Type of the routes - (as on 31-03-2024)

Details	Ordinary	Limited	Corridor	Air-conditioned	Total
Owned	131	43	13	03	190
Wetlease	33	10	05	187	235
Total	164	53	18	190	425



3. Environment Friendly Bus Operation :

Pollution is one of the most dangerous environmental problems the world is facing today. To stop the impending perils that pollution could cause, it is necessary that we start taking some actions to keep our environment safe and healthy. One of the type of pollution is 'Air Pollution'. Air pollution is the contamination of the atmosphere mainly due to smoke from vehicles.

As a step to reduce the pollution in city, the Undertaking has started to induct environment friendly Electric buses in it's fleet. At present the undertaking have 537 Electric buses in it's fleet. Also the Undertaking is operating sizable no. of buses on pollution free Fuel as a Compressed Natural Gas (CNG).

The fuel wise distribution of fleet is as follows - (as on 31-03-2024)

Details	Diesel	C.N.G.	Electric	Total
Owned	245	847	06	1,098
Wetlease	280	1,104	531	1,915
Total	525	1,951	537	3,013

4. Premium Bus Services :

As the commuters always welcomes the advanced services, the Undertaking also ready for such challenges. Considering the demand of the Luxurious services from the commuters, the Undertaking has introduced 'app' based Air-conditioned services since 2022 in co-ordination with 'Chalo Mobility Private Limited'. These services have encouraging response from commuters.

5. E-Scooter Services :

The ultimate aim of the Undertaking is to provide doorstep / last mile connectivity to the commuters, so the dependency on other mode of transport shall be minimized. As such the Undertaking has introduced E-Scooters in co-ordination with M/s Vogo Automotive Private Limited, since Dec-2022.

6. City Tours :

The main object of the undertaking is to provide transport services to the city of Mumbai. However, the Undertaking is also providing city tour. This tour operates in the Southern part of the Mumbai. Initially, the tour was operated in Open Deck Double Decker Bus, however, since these buses are scrapped, now the tour is operating in newly introduced ' Electric Air-conditioned Double Deck Buses' covering the Seashore at Nariman Point, Girgaon Chowpaty. The buses in this tour also visits the illuminated heritage buildings in the South Mumbai.

7. Buses Provided on Reservation Basis :

The Undertaking provided the buses on 'Reservation Basis' for the various events like Marriages, Birthdays, Exhibition, Sports etc. People prefer these buses as the reservation charges are competitive and the services provided by the Undertaking are satisfactory.



8. Renovated Bus Que Shelters -

To provide comfort to the commuters during their waiting time on stops. Bus Que Shelters are being renovated with additional facilities like updated information about desired bus routes, charging points for mobiles, etc. New shelters are being provided on the places of Bus Stop Poles.

9. Pay & Park Scheme -

As an additional source of revenue the Undertaking has a 'Pay & Park Scheme' in co-ordination with 'Parviom Technologies Private Limited'. Under this scheme the vacant places of the Bus Depots and Bus Stations are utilized in the day hours for parking private vehicles, when the BEST buses are moving on line.

10. Services for Lady Commuters -

Government of Maharashtra has provided 37 buses under it's 'Tejaswini Scheme'. These buses are predominantly operated for Lady Commuters on various routes in morning and evening peak hours. The Undertaking also operates special trips for lady commuters in peak hours on various routes.

11. Special care for Divyang, Senior Citizen & Lady Commuters -

The Undertaking has always taken special care of the Divyang, Senior Citizen, School Children and Lady Commuters. Also, seats are reserved for Divyang, Senior Citizen and Lady Commuters. The Drivers and Conductors as also inspectorial staff are trained for helping these commuters in critical circumstances. For this the provision of 'SOS' button is made in BEST mobile App.

12. Electronic Ticket Issuing Machines (ETIM) -

The Undertaking has fully computerized 'Fare Collection System'. The tickets are issued through Electronic Ticket Issuing Machines - ETIM. This machine stores the particulars of the tickets issued throughout the day. i.e. entire passenger data is available through this machine. Also, this machine keeps record of trips operated, the particulars of the machine operator, i.e. Bus Conductor, etc. This information is very useful for the operational analysis in large and route analysis in particular.

13. Mobile App and it's Features -

The BEST Undertaking has launched a 'CHALO Mobile App' for the convenience of passengers. This mobile app helps the passengers to know the location of their bus, as also to make payment of the fare through digital system, instead of cash transaction various bus passes are also made available in this 'Mobile App'. A part from this information of the entire bus operation of the undertaking is available in this 'Mobile App'.

14. Services of N.C.M.C. Smart Card -

In accordance with the policy of Government of India 'One Nation, One Card' the Undertaking has introduced 'National Common Mobility Card - NCMC'. Preferentially 'NCMC' cards will be used in Public Transport Services like Bus, Metro, Rail, where the Scheme of 'NCMC' is implemented. In future this card will have universal acceptance.



15. TAP - in - TAP - Out Scheme -

Under this scheme the ETIMs has been mounted on both the doors i.e. Entry / Exit points of the buses. The commuter shall Tap-in / Tap-out the Smart Card or Mobile while entering / alighting to / from buses at 'Entry / Exit points' on the ETIMs there. Then the actual amount of fare will be deducted through 'Mobile App' or 'Ride' will be deducted from the 'Smart Card' based bus pass.

16. ITMS - Modernisation of Bus Services -

Intelligent Transport Management System is the most innovative system introduced for the bus operation of the Undertaking. Under this system the Undertaking knows the exact location of the buses operated on routes. The passengers are also getting the information of the buses on their desired route, approaching buses, on Mobile App and ETA is also displayed on bus stops. Besides this, computerization of the entire bus operational work is being done in this system.

17. Disaster Management System -

Government of Maharashtra and Brihanmumbai Municipal Corporation, has a 'Disaster Management System' with all stake holders of the City including BEST. Under this system BEST is required to mobilize and take special efforts to provide prompt bus services to the stranded people during the call of disaster. All these activities are monitored from Command Control Centre in the Wadala Depot. The Undertaking is monitoring the entire bus operation from this Command Control Centre.

18. Maintenance of Buses -

The routine maintenance of the buses is carried out by Transportation Engineering Department in all bus depots. Major maintenance work is performed at Dadar Workshop, which is centrally situated near Dadar T. T. The maintenance work of the wetlease buses is undertaken by the operators themselves.

19. Training Centre for Staff & Officers -

As the Undertaking is taking utmost care of the commuters on board it has established 'Training Centre' at 'Dindoshi Bus Depot', where the Bus Drivers and Bus Conductors are trained at their entry level. Refresher courses are also arranged for Bus Drivers, Bus Conductors along with Officers.

20. Toll Free Help Line :

The Undertaking has established a 'Toll Free Help Line' as **1800 227 550** since 15th October 2009. This Help Line is available for 24X7. On this Help Line the Commuters availing information about the entire bus operation of the Undertaking.



21. Fare Policy :

21.1 Fare Structure w.e.f. 09.07.2019

Kms.	Ordinary/Limited Express (Rs.)	Air-Conditioned (Rs.)
5	5.00	6.00
10	10.00	13.00
15	15.00	19.00
Above 15 Kms.	20.00	25.00

- ❖ Luggage fare will be equivalent to the corresponding fares, subject to maximum Rs. 20/- on Ordinary / Limited / Express Services and Rs.25/- on A.C. Services.
- ❖ Nutrition Surcharge of 10 paise on tickets upto Rs. 2/- and 15 paise on tickets above Rs. 2/- is included in fare (except Luggage fare).
- ❖ GST 5% (CGST 2.5% and SGST 2.5%) is applicable on A.C. services, which is included in the above bus fare.

21.2 Concessional Fare Facility -

- ❖ The Students studying up to post-graduation level in all academic fields are provided a monthly pass at a concessional rate of Rs. 200/-.
- ❖ Senior Citizens are availing Rs.50/- concession in Monthly Bus Passes, including AC services.
- ❖ The accredited Press Reporters attending the press conferences and other related issues to the BEST Undertaking and Brihanmumbai Municipal Corporation are allowed to travel on the concessional Yearly Bus Pass of Rs.365/-
- ❖ Ex-employees have been provided the concessional Yearly Bus Pass of Rs. 900/-

21.3 Free Travel -

- ❖ Free travel facility is provided to Freedom Fighters, Municipal Councilors, Nominated Members, Non-Councilors Members of the BEST Committee, Members of the Education Committee, Mumbai Municipal Commissioner, Additional Municipal Commissioner, Municipal Chief Auditor, Retainer Advocates.
- ❖ MLA / MLCs with one companion (against reimbursement by State Govt.).
- ❖ Students of the Municipal Schools in Uniform (against reimbursement by Municipal Corporation).
- ❖ 40% and above physically challenged persons (against reimbursement by Municipal Corporation).
- ❖ BEST Employees.



21.4 Daily Bus Pass (Rs. 60/-) :- (Revised w.e.f. 01-03-2024)

- ❖ Valid on all types of services including Air-Condition Services. On this pass a commuters can travel as per their desire on the entire bus operation of the Undertaking for whole day. No restrictions on distance and no. of trips travel.

21.5 Monthly Bus Pass (Rs. 900/-) :- (Revised w.e.f. 01-03-2024)

- ❖ On the lines of Daily passes, equivalent monthly global pass is available which is valid on all types of services including air-condition routes.

21.6 Distance based 'Bus Passes' : - (Revised w.e.f. 01-03-2024)

- ❖ These passes are valid on all types of services including Air-condition. Passengers can travel at their desired places within a specified fare limit.
- ❖ Passengers get the choice of selecting the bus pass which have provision of different no. of trips, as suits to their travel demand/distance

Details		Weekly	Monthly Passes			All Over Passes	
Trips	Nos.	15	60	100	150	Unlimited	
Valid Days	Nos.	07	28	28	28	01	30
For Fare upto Rs. 06/-	Rs.	70	300	450	600	60	900
For Fare upto Rs. 13/-	Rs.	175	700	1,000	1,400		
For Fare upto Rs. 19/-	Rs.	265	1,050	1,650	2,100		
For Fare upto Rs. 25/-	Rs.	350	1,350	2,200	2,700		



THE BRIHANMUMBAI ELECTRIC SUPPLY AND TRANSPORT UNDERTAKING ELECTRIC SUPPLY

BEST is the distribution licensee to supply electricity in the old city limits of Mumbai. It covers 72 sq. km., (area from Colaba to Sion and Mahim). In F. Y. 2023-24 the maximum demand of Mumbai City was 946 MW and power purchased was 4937 Mus. To meet this demand, power is purchased in major from Tata Power Company and remaining from bilateral sources, Power exchanges and environment friendly renewable source. BEST Undertaking has established 65 Receiving Sub-Stations, 2,538 Distribution Sub-Stations, 9,254 Auxillary distribution pillars, 78,512 services position, and maintains 44,294 street lights of Mumbai as on 31.03.2024. The Electric supply reliability is at 99.98%.

BEST Undertaking has 10.53 lakh electricity consumers, Out of which about 73% are residential consumers. BEST has proposed to implement 100% prepaid metering system using smart meters. This will help the Undertaking in early revenue realization and elimination of arrears. Also consumer can avail up to 2% discount by way of advance payment. Smart meters can benefit the electricity customer by way of Accurate Billing, easily track what you use and spend, offering more detailed feedback on energy use thereby enabling them to adjust their consumption to lower electric bills.

BEST consumers can pay their bills at 133 places of Cash Collection counters (which include Post Offices, branches of various Banks.) In addition to this bill payment through E.C.S. facility, Credit / Debit Cards, NEFT/RTGS, various outlets of several service providers and Mobile App (MiBEST) is also provided to the consumers. Dynamic QR Code provision has been made on electricity bills and Bharat Bill Payment Interface (BBPI) for promoting digital payments was implemented.

For attending to interruption in power supply and quick restoration, various departments of BEST Undertaking functions round the clock. For coordinating and supervising these departments BEST has established 2 supervisory controls, 5 fault controls and 8 fuse controls.

BEST Undertaking Electric Supply Division has been awarded as '**Best Performing Distribution Company**' for outstanding performance in the Electricity Distribution Sector and conferred with the trophy and certificate For outstanding contribution at the hands of Chairman, Central Electricity Authority (CEA) & Secretary to the Government of India on the occasion of IPPA Awards 2024 ceremony.

As per the Government of India policy regarding energy conservation most of the conventional HPSV / MH Street lights of Mumbai has been replaced with energy efficient LED Street lights. This conversion of conventional H.P.S.V. / MH Street lights by LED Street lights has resulted in savings of minimum 47% energy consumption in various wards of Brihanmumbai Municipal Corporation.







Tukaram Omble Statue, Girgaon



Brihanmumbai Municipal Corporation

Tulsi Lake



Bhatsa Dam



Tansa Dam



Modaksagar Lake



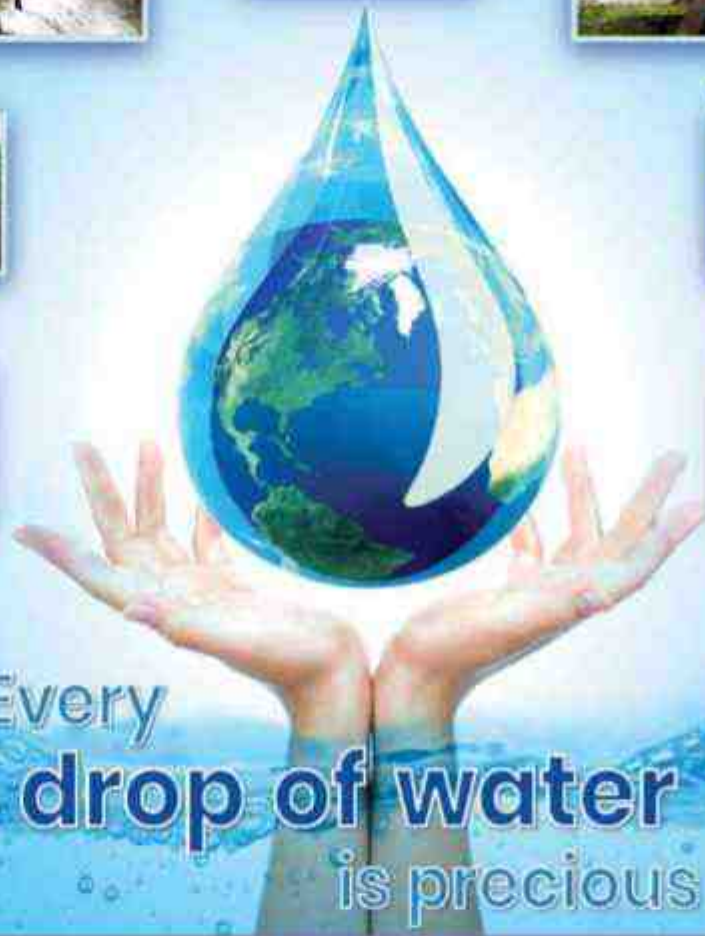
H.B.T. Lake (Jindal Viharika)



Upper Vaitarna Lake



Vihar Lake



Every
drop of water
is precious.

- Water is supplied to Mumbaikars through 7 dams, 27 service reservoirs, and 14 water tunnels, distributed across 254 sectors.
- Every day, 3,850 million liters of water is delivered through a 7,000-kilometer-long network of pipelines.

Let's save water !