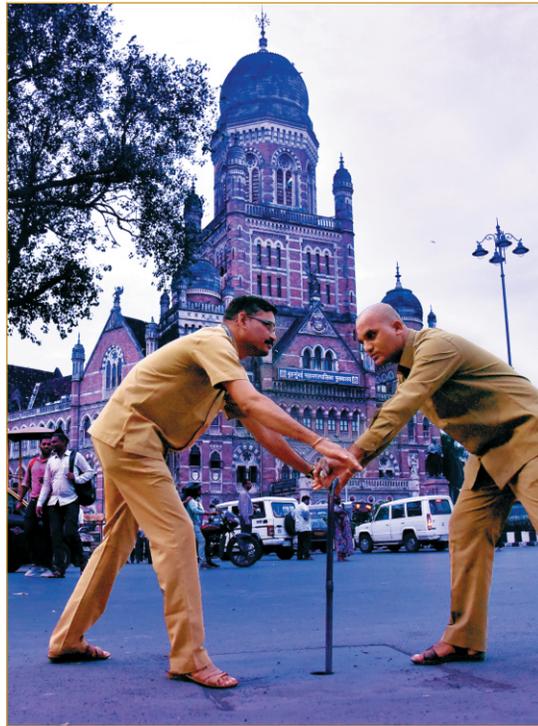




**BRIHANMUMBAI
MAHANAGARPALIKA**



STATEMENT
OF
Praveen Pardeshi
MUNICIPAL COMMISSIONER

**While presenting the Budget Estimates 'A' (fund Code - 11, 12, 60, 70)
'B' (Fund Code - 21, 22, 23) & 'G' (Fund Code - 40) For 2020 - 2021
to the Standing Committee on Tuesday, the 4th February 2020.**

2020-21

Mr. Chairman,

I have the privilege of working as the Municipal Commissioner of the country's largest civic corporation from May 2019. I feel happy to present the budget estimates for the financial year 2020-21.

I am presenting before the Standing Committee the estimates of receipts and expenditure of Budget 'A' (Fund Code 11, 12, 60, 70), Budget 'B' (Fund Code 21, 22, 23) and Budget 'G' (Fund Code 40) for the financial year 2020-21 as per Sections 125 and 126E of the MMC Act, 1888.

The population of Mumbai city was 1.24 crore in 2011. The population will be 1.30 crore in 2021 and is expected to reach 1.50 crore in 2031.

Mumbai 2030

As per our vision of Mumbai 2030, to transform Mumbai into a developed and happy city, it is our intention to provide all civic services to the rising population through budget.

'Cities have the capability of providing something for everybody, only because, and only when, they are created by everybody.'

For the first time, a Mumbai-born, Shri Uddhavji Thackeray is the Hon'ble Chief Minister of Maharashtra State. This is a great opportunity to transform Mumbai into a happy city.

Citizens Happiness Index can be achieved by delivery of efficient civic services such as speedy commute, pure water,

quality primary education, healthy city, green gardens, conducive city for employment and business, participatory and inclusive governance. This budget is the first step towards improving the indicator of civic services to attain global level.

The following indicators are planned to be achieved by 2030 :

1. World class roads, bridging missing links and robust public transportation

- Improving the average speed of commute from 20 kmph to 40 kmph.
- Increasing areas under roads from less than 10% to more than 20%.
- Increasing the share of passengers in public bus transport from the current 15% to 25%.
- Decrease in CO2 emissions.

2. Pure and reliable water supply

Presently, 3850 MLD water is being supplied. Upto 2030 demand of water will be 5910 MLD. The increase in demand of water will be met through Gargai project and use of recycled water.

3. Environmentally Sustainable and climate resilient City

- Flood and climate resilience and disaster free city.
- Reduction in CO2 level through substantial increase in the number of trees by creating urban forests.

- Circular economy by treating 100% sewage at 10 BOD level and reuse of at least 50% percent of waste water thus leading to clean seas, rivers and lakes in Mumbai.
- MCGM collects 6700 TPD waste daily. The aim is to reduce it up to 5000 TPD by the year 2030. This will be achieved by diverting garbage to Waste to Energy plants of 1800 TPD capacity and reuse of Construction and Demolition waste by setting up a plant of 1200 TPD capacity which will boost the circular economy.

4. Primary education

Learning outcomes in MCGM schools to match the standards in private schools. To make all schools inclusive and accessible to differently abled students.

5. Preventive and Primary Healthcare services

- a. Ensuring 100% vaccination coverage for children
 - b. Reduce the incidence of communicable diseases like TB, HIV, Malaria, Dengue, Leptospirosis.
- 6.** Business development through Ease of Doing Business and promoting tourism to create more jobs.
- 7.** Public participation by using I.T. enabled governance to deliver 'Happy Mumbai' by 2030.

All these will lead to healthier, better educated and happier citizens who are able to deliver efficiency in their professions and livelihoods. Likewise, the city will be climate and disaster resilient.

In the last year, infrastructure projects have been fast-tracked by acquisition of development plan reservations and by providing rehabilitation to PAPs.

Speedy approval of Standing Committee proposals and guidance by Hon. Standing Committee Chairman, Shri. Yashwant Jadhav, Hon. Opposition Leader, Shri Ravi Raja, Hon. Group Leaders, and all Standing Committee Members have ensured that the capital expenditure has increased compared to last year.

(₹ in crore)

Departments	Actual Expenditure 2018-19 (upto Jan. 2019)	Actual Expenditure 2019-20 (upto Jan. 2020)	Percent increase as compared to last year
Roads Improvement, Roads Major Projects, Traffic operations & Bridges	1189.55	1810.97	52.24%
Solid Waste Management and Transport	62.11	68.84	10.84%
Storm Water Drain	539.09	721.72	33.88%
Health	268.74	335.67	24.91%
Water & Sewerage	620.00	873.57	40.90%
Garden	59.34	68.49	15.42%

Total capital expenditure incurred upto January 2019 was ₹3999.70 crore which has been increased to ₹6836.79 crore upto January 2020.

Acquisition of reserved land is the major input in implementation of the Development Plan 2034 and to increase capital expenditure. Last year, remarkable progress is observed in acquiring D.P. reservations.

Year	Area acquired in lieu of PAP rehabilitation (for roads, nallas etc.)	Built-up Area acquired in lieu of TDR/ FSI/ AR/ Government land	Monetary compensation for land acquisition (upto January)
2018-19	36,046.59 sq.m.	2,95,362 sq.m.	387.46 crore
2019-20	67,632.82 sq.m. 84% increase as compared to the previous year.	4,08,261 sq.m. 38% increase as compared to the previous year.	139.06 crore

Hence, we could achieve acquisition of higher land area by less expenditure by focussing on T.D.R. and by accommodating reservations and by providing P.A.P. to affected persons.

This will further speed up due to following key policies -

1. Relaxation of datum line for eligibility as PAPs to the year 2011.
2. Creating 12000 PAP accommodations.

7000 PAPs shall be generated through real estate developers on private lands in lieu of TDR and premiums and to reduce MCGM's PAP expenditure therefrom.

A provision of ₹774 crore is proposed for Development Plan in B.E. 2020-21.

Comprehensive Mobility Plan (CMP)

To achieve 40 km per hour speed on Mumbai roads, considering Development Plan 2034, CMP and globally best practices, following steps are recommended :-

1. Increasing area under roads, creating connectivity links as required**a. Mumbai Coastal Roads Project**

- The Coastal Road will be not be just for car owners but also include public transport facilities by virtue of Bus Rapid Transport System lanes.
- For this, budget provision of ₹1600 crore is made for the year 2019-20.

The budgetary provision for this project is ₹2000 crore in the year 2020-21, which is 25% more compared to previous year.

b. Goregaon-Mulund Link Road (GMLR)

GMLR will extend 12.2 km shall be a major link for the east-west connectivity.

A budget provision of ₹100 crore is made in the 2019-20. A 3-fold increase has been made by proposing ₹300 crore in 2020-21.

c. Missing Links

- The Comprehensive Mobility Plan 2017 and Development Plan 2034 identified 08 missing links with total length of 7.94 km.
- Some of the major missing links are - Mahim Sion Link Road to Krishan Menon Marg, Ahilya Bai Holkar Marg

to Lotus Colony Road, G.R Vasarkar Marg to Western Express Highway etc.

A budget provision of ₹48 crore is made for the year 2020-21.

2. Improving the quality and durability of roads

MCGM maintains 2055 kms of roads. To ensure desired roughness index, durability and pothole free roads during monsoons, the recommendations of Technical Advisory Committee (TAC) are being considered.

a. Improvement works of Cement Concrete roads (CC), Ultra Thin White Topping (UTWT) etc. are being undertaken.

- In 2018-19, about 134 kms of roads were improved in which 20 km CC roads were included.
- In 2019-2020 till December about 162 km. of roads were improved in which 65 km. CC roads were included.
- In 2020-21 about 289 km roads are proposed to be improved. (266 km roads in CC and UTWT: planned 4-fold increase as compared to the previous year).

b. Road improvement projects includes improvement of footpath and junctions in mastic. The main feature is to create dedicated utility corridor for water-mains, sewer-lines, S.W. Drains etc.

c. 'My pothole fixit website/app' has been launched to facilitate the citizens to report potholes and bad patches. The concerned road engineers can accordingly plan and immediately undertake remedial measures. Using this App, in 2019-20, 'Monsoon Road Pothole Challenge' helped

1630 citizens to get 1472 Potholes fixed within 24 hours, and remaining potholes were fixed 100% after 24 hours.

- d. A 'New life cycle system' of roads contracting is planned. Thus, to ensure that the same contractor who constructed the road shall maintain it for 5 years or 10 years during the defect liability period, to make it compulsory, a 'deferred payment system' is planned.

Further, quality groups selected through global competition will oversee the maintenance during the defect liability period. The payments shall only be released to the contractor if the quality group can validate that the road is as per the quality mentioned in the contract.

The budgetary provision made for road improvement works is ₹1600 crore for the year 2020-21 which is 9% higher than provision of 2019-20.

3. Bridges

After the collapse of Himalaya Foot Over Bridge, all bridges which are mostly 70 to 100 years old are re-evaluated. Review of bridges in Mumbai by a structural auditor was carried out.

Accordingly, 21 bridges require demolition and reconstruction, 47 bridges require major repairs and 184 bridges require minor repairs. Most of these works of major/minor repairs and demolition and reconstruction are commenced and should be completed on top priority.

The expenditure of Bridges Department upto January 2019 was ₹168.43 crore in 2018-19 which increased by 131% to ₹389.32 crore upto January in the year 2019-20.

Budget provision of ₹799.65 crore is proposed in B.E. 2020-21.

4. Increase in share of passengers using Public Transport

- To ensure financial sustainability of BEST, the cost per km of operating buses has to be reduced by 10% to 15%.
- Over the last few years, the BEST fleet did not cope with public requirements, which led to a growth in private vehicles. This has led to higher congestion and consumption of fuel causing air/noise pollution and CO2 emission which is harmful to environment.
- Currently, the cost of BEST is about ₹130/- per km. With the induction of new buses under wet lease, this cost is expected to come down to ₹95/- per km.
- To shift passengers from private vehicles to public transport, a reduction in bus fare to ₹5/- up to 5 km during 2019-20 was undertaken leading to an increase in average daily commuters using the service from 22 lakhs to 33 lakhs.
- At present, 231 buses are operated on Wet Lease. By March 2020, 1240 wet lease buses will be operated (27% of total buses). With the induction of these new buses, 45 lakh passengers will commute daily. This will account for 20% share of the total passengers.
- The ITMS Project and the BEST Pravas app at the cost of ₹110 crore are providing real time public information on

app like bus route information and Expected Time of Arrival (ETA). Presently, 75,000 commuters are using BEST Pravas app.

- To assist BEST to overcome their present financial crisis and to upgrade bus transportation systems, MCGM has given grant-in-aid of ₹1941.30 crore during the year 2019-20. The provision for grant-in aid for next year is ₹1500 crore.
- These funds shall be used for repayment of loan, procurement of new buses under wet lease, to fulfil financial obligations arising from wage agreement, day to day expenditures and implementation of ITMS project etc.
- Strict conditions on performance have been imposed on BEST in lieu of these grants. Apart from reducing the cost per km of operations through the above mentioned steps, BEST is also expected to increase revenue through better management of its leased properties and ensuring recovery of funds as per findings of Municipal Corporation.
- Another project to improve the financial strength of BEST is to undertake Hydro Power Generation Project at Middle Vaitarna Dam. This project will produce 25 MW of power. The State Government has approved this project.

Disaster Resilient Mumbai

Flood Mitigation and Improvement of Storm Water Drain System

The 2030 vision of disaster resilient Mumbai can be achieved by increasing the current storm water drain capacity

from 25mm per hour to 50mm per hour as recommended by BRIMSTOWAD.

The effects of climate change are visible in Mumbai. About 40% of the rainfall of the entire monsoon season of 100 days was received in only 3 events. To resolve this, it is planned to have a flood mitigation system based on underground reservoirs, shafts, tunnels and piping system. The Department of Economic Affairs (DEA), Government of India has recommended our proposal for technical assistance to Japanese International Cooperation Agency (JICA) to assess the feasibility of such measures.

We have initiated discussion with experts from Japanese government who have successfully tackled this issue in the cities of Tokyo and Yokohama. A budget provision of ₹5 crore is proposed in the B.E. 2020-21.

Fire resilient Mumbai

- After the fire incidence at Kamala Mills, a dedicated Fire Safety Compliance Cell under 24 municipal wards is set up as per the recommendations of Fact Finding Committee. Quick fire response, strict implementation of rules and timely inspections of buildings resulted in decrease in loss of life from 52 in the year 2018 to 24 in the year 2019 in fire incidence

Water supply

The Mumbai water supply system provides the best quality drinking water to its citizens as per the study conducted by the Bureau of Indian Standards (BIS), Government of India.

- MCGM has planned to undertake development of Gargai Project. Gargai Project will provide 440 MLD of water supply to Mumbai. Due care is being taken for rehabilitation of PAPs including providing cash compensation and a job per family as per government norms. **A provision of ₹199.40 crore is proposed for the rehabilitation works. A total budget provision of ₹503.51 crore is proposed in the year 2020-21 for Gargai project.**

Promoting reuse of recycled waste water and rain water harvesting

- Reuse of recycled waste water and harvesting of rain water shall be mandated for the purpose of toilet flushing and other non-potable building activities. This would reduce the load on water supply by at least 1350 MLD (50% of total - 2700 MLD sewage).
- All new STP contracts include a compulsory clause for contractors to supply at least 20% recycled water to bulk water users.
- While approving building plans of large schemes, use of STP for reuse of recycled water is mandated along with rain water harvesting. To ensure use of recycled water from these STPs, housing societies will get a 5% rebate on Property Tax upon compliance.
- The long term vision for MCGM is to reduce the demand for fresh water from 135 LPCD to 90 LPCD by using harvested rain water and treated sewage water.

- A provision of ₹402.55 crore has been proposed for Mumbai Sewage Project in B.E. 2020-21.

Mumbai : Clean, green, circular economy and environmentally balanced city

Sewage

The most important goal is to keep clean the seas, rivers and lakes in Mumbai. The 2030 vision is to increase the percentage of population with sewage connectivity from 68% to 100% of the population of the city. To achieve 100% sewage line connectivity we have commenced the Mumbai Sewage Improvement Program.

The budget provision for MSIP for the year 2019-20 is ₹244.36 crore. Adding 31% increase, a budget provision of ₹320.16 crore is proposed in the year 2020-21.

Management of Solid Waste

- The total quantum of solid waste collected by MCGM has been reduced from about 9500 TPD in 2015 to 6700 TPD in 2019. This is primarily due to diversion of construction and demolition and waste and mandating of bulk generators to process their waste in-situ or by tying up with recycling organisations.
- To reduce the quantum of waste from 6700 TPD to 5000 TPD by 2030, MCGM has proposed the following measures:
- **Property Tax rebate scheme:** To incentivise segregation of waste followed by composting of wet waste and management of dry waste through tie ups to recyclers, rebate up to 10% on

Property Tax for housing societies upon compliance is being implemented.

- **Decentralisation of waste management facility -**

Decentralised Community level composting and Bio-methanation facility of 10 – 20 MTPD capacity is planned at ward level

- 3 plants for City, Eastern Suburb and Western Suburb of 4 TPD capacity using anaerobic plasma processing technology for inert waste.
- Operating 37 dry waste centres under the ‘Extended Producers Responsibility Framework’ for managing dry waste.

1. Minimising the quantum of waste at dumping ground

- Waste to Energy Project - Proposal for a 600 TPD plant at Deonar is submitted for Standing Committee’s sanction and tenders for additional 600 TPD plant have been invited.
- Construction and Demolition (C&D) waste -Tenders for 1200 TPD C&D Plant have been invited and acquisition of remaining land at Karavale, Ambernath (apart from the 30 Acre land in possession)

The budgetary allocation for both these projects is ₹231.97 crore for year 2020-21.

Green Mumbai

- With the space constraints in the city, MCGM has proposed a dense urban forestry method of Miyawaki plantation. Accordingly, 4,00,000 plants will be planted in the

upcoming year through the Miyawaki method on 65 municipal gardens and plots.

- Miyawaki plantation is also insisted upon while approving building plans of private developers.
- Over the last 5 years, trees cutting permissions for 25,000 trees have been given for various vital development projects. For the current year, the total number is 3,236 for tree cutting. These losses in tree cover will be more than compensated by the Miyawaki plantations in the upcoming year.

A budget provision of ₹226.77 crore has been proposed for Garden department in the year 2020-21.

Education

We plan to enhance learning outcomes for students in municipal schools to be comparable to those in private schools.

- Recently, the Education department along with Pratham conducted a comprehensive exercise on learning outcomes in which 1.80 lakh students were tested 3 times on language and mathematical abilities.
- For instance, as the baseline level, the reading skills for Std. I children for words were pegged at 37% during baseline and 67% during midline. We endeavour to increase them to 80% by year end.
- For grade 5 students, the competency for solving division problems in Maths was at 45%, 60% at midline and efforts are underway to get them to score 80%.

- MCGM is undertaking various educational projects, programs and schemes to attract and retain students like Zero Ticket Scheme, distribution of scholastic materials, Fixed Deposit certificates, setting up of Digital Classrooms, TinkerLab, Language Lab, Music Academy, etc.
- To upgrade and modernize MCGM schools various projects such as setting up of Digital Classrooms, Tinker Lab, Language Lab, Music Academy, etc are underway. Also, future enrolments will be affiliated to ICSE, CBSE.
- We have empowered the headmasters by decentralizing financial and administrative powers like appointment of data entry operators, disposal of scrap materials, certifying and approving bill up to ₹10,000/- etc.
- All MCGM schools shall be upgraded as per the guidelines of 'inclusive schools' by improvement in infrastructure like ramps, rails, special toilets etc. for facilitating access for differently abled students and by engaging special teachers.

A separate budgetary provision for Education department for the year 2020-21 is ₹2944.59 crore which is higher by 7.71% as compared to ₹2733.77 crore in the year 2019-20.

Health

Healthy life for citizens of Mumbai

- The primary duty of MCGM is to provide preventive and primary healthcare services. The target by the year 2030 is to

ensure 100% vaccination for children and prevention of vector borne or communicable diseases like TB, AIDS, malaria, dengue and leptospirosis.

- The number of cases for the year 2019 as compared to the year 2018
 - Malaria : 4357 cases (13.48% reduction)
 - Dengue : 920 cases (8.27% reduction)
 - HIV : 1429 cases (30.46% reduction)
- For the year 2019-20, MCGM has been able to reduce the deaths due to Malaria to zero. Likewise, compared to the year 2018, deaths due to dengue has reduced from 14 to 3 in 2019-20.
- These targets have been achieved through preventive action and awareness campaigns by the Community Health Volunteers (CHVs). To further encourage the CHVs, the honorarium of CHVs has been increased from ₹5000/- per month to ₹9000/- per month as per decision of the Group Leaders. The budget provision for the same is ₹40 crore for the year 2020-21.
- Mumbai may also be at risk of spreading of coronavirus that originated from China. As such, a provision of ₹2 crore is proposed in B.E. 2020-21 for strengthening of Kasturba Hospital.
- MCGM is the only Municipal Corporation in the country which is engaged in delivering high quality medical and surgical care and medical and dental education.

- The gaps in critical staff positions like Post Graduate Medical Officers (PGMOs) and paramedics in peripheral hospitals is being met by recruiting specialist at higher salaries and allowances. It will reduce the burden of 4 major hospitals in Mumbai.

Total budget estimates 2020-21 of the Health budget for revenue and capital expenditure is ₹4260.34 crore which has increased by 14% compared to revised estimates 2019-20.

Improving Municipal Governance

“WHAT IS A CITY BUT THE PEOPLE : TRUE THE PEOPLE ARE THE CITY.”

To achieve vision of Mumbai 2030, business as usual will not do. For this, it is necessary to decentralize governance and budgetary allocation. .

Decentralization of development works at ward level through greater budgetary provision

- A provision of ₹300 crore shall be reserved for the wards for undertaking work such as improvements of footpath and junctions, improvements of gardens, installing street signage, public information boards and improving the aesthetics of the public areas. Footpaths around Shivaji Park which has footfall of thousands of citizen will be upgraded.
- To ensure the high standard and top quality of works at Ward level, appointment of technical experts can be made by utilising this fund.

- These funds shall also be used for building and maintaining toilets for women in all public areas in wards and existing children friendly pedestrian infrastructure and signages around schools and playgrounds.
- Multipurpose repair and maintenance unit vehicles for all wards shall be procured to ensure prompt response to citizen's complaints.

I.T. based governance

- MCGM has also adopted the use of social media platforms such as Twitter, Youtube etc. to connect with and address the grievances of Mumbaikars. Nearly 1.40 lakh Mumbaikars use My BMC App to provide inputs and address the needs of civic services.
- To enable faster procurement and transparency, better rates as well as benefit from an end to end online procurement system, MCGM has integrated SAP system with Government of India's GeM portal.
- The Development Plan 2034 is made available to the public on website and mobile app.
- New SAP HANA licenses are procured for upgradation of existing SAP system. Likewise, use of 'Cloud' technology will facilitate seamless integration of various modules.

A provision of ₹100.74 crore is proposed in R.E. 2019-20 for IT Department. A provision of ₹157.98 crore is made in B.E. 2020-21.

Improving the business index of Mumbai:

To maximise job creation as planned in DP-2034, Ease of Doing Business in Mumbai is being improved.

Ease of Doing Business**Building Permissions/Construction Permits**

- Under the “Ease of doing Business” the permissions given by Building Proposal Department are fully online. Due to this the time required for according approval has been saved and steps for approval has been reduced.
- As per the World Bank’s Doing Business Report 2019-20 our country’s ranking is 27. Within a couple of years, it has improved from 181 to 27 in construction permit out of 190 countries. This report is based on improvement achieved by MCGM.
- The process of change of name in Property Tax record has been made online and is automated.

Trade License**Ease of issuance of license**

The license for trade and storage, projection license and glow signs/neon sign permits are issued online. All separate licenses are being combined into one single licence which will be valid for a period of 10 years instead of prevailing system of 2 years. **It is expected that License Department will earn a revenue of ₹221.02 crore during the year 2020-21.**

Municipal Markets

- Collection of license fees, stallage charges and issuance of license certificate will be done through online portal which will commence from March 2020.
- Allotment of PAP through online SAP system will commence from May 2020.

MCGM's Challenge

Society for Mumbai Incubation-Lab to Entrepreneurship Council (**SMILE**) has been set up. It will provide a platform to address problem statements faced by the civic corporation through promoting innovative startups by Mumbaikars.

The issues faced by MCGM will be circulated in public domain. Citizens including students, start-ups, community groups will be invited to suggest an actionable solution. The winner shall be decided based on technical capability of participant effectiveness of the solution and financial criteria. The winner shall be given a grant/work order worth upto ₹50 lakh to implement a pilot of the proposed solution.

The budget provision for B.E. 2020-21 is ₹15 crore.

Tourism and Heritage

It is proposed to create a dedicated department of tourism in MCGM. The head of the departments shall be appointed internally from among the MCGM officers. The day to day activities may be undertaken by external experts and accrediting travel agents.

Tourism Water Package:

- The MCGM has proposed to commence ecotourism activities around water supply reservoirs such as Tansa, Vaitarna, Modaksagar dam. Hospitality partners can be invited to upgrade, maintain and manage our guest houses under PPP in compliance of certain requisite conditions.
- Various activities can be organised by hospitality partners like cycling tours, nature trails, bird watching, star gazing non-motorised water sports, camping etc.
- It will also give a preview of the complex works undertaken by MCGM in providing clean and uninterrupted water supply.

Heritage and Natural Inheritance

- Documenting of the heritage and history behind the streets in Mumbai, Natural Inheritance, historical structures and natural history of Mumbai.
- Organising various tours and activities for Mumbaikars by engaging relevant experts and agencies to promote awareness and sensitising Mumbaikars about the rich history and heritage of the city.
- Renovation of Veermata Jijabai Bhosale Udyan & Zoo and developing Wildlife Conservation Breeding Center for endangered species. A provision of ₹2 crore is proposed.
- Organise regular events and activities in MCGM gardens, auditoriums other facilities like guided tours, music shows, community activities, festivals etc.

- Undertaking basic and essential improvement works like construction of toilets (especially for women), installing signages, plaques, etc.
- Undertaking improvement works for beaches and sea fronts and restoration works for Forts such as Mahim, Bandra, Sion and Worli.

A budgetary provision of ₹183.03 crore for the year 2020-21 has been proposed.

Financial self-reliance

MCGM has remained self-reliant and has succeeded in providing all obligatory / discretionary services from its own sources of income without relying on grants from the Government.

Revenue Vision

The budget estimates of revenue income for the year 2019-20 was ₹24983.82 crore. The budget estimates of 2020-21 for revenue income is proposed to be ₹28448.30 crore which is more by 13.87% in comparison to that of 2019-20.

Decrease in revenue

MCGM's revenues have declined due to decision and forces beyond control of Corporation.

Compensation in lieu of Octroi

The Corporation cannot be over-reliant on continuation of GST compensation at an increasing rate. Hence, it is necessary to undertake innovative resource mobilisation means to meet increasing expenditures. Likewise, efforts should be taken to reduce unwanted revenue and establishment expenditure.

Property Tax

Implementing the decision of the State Government to exempt residential buildings or residential tenements having carpet area upto 500 sq.ft., as per provisions under Section 141(1)(c) of MMC Act, 1888, General Tax which is part of Property Tax has been deducted. This resulted in reduction of about ₹335 crore in annual demand. In the wake of a slow-down in the real estate sector and other markets, the quantum of default of payments of Property Tax during the period has increased and the cumulative outstanding amount has reached approximately ₹15000 crore.

Development Plan

Development Plan is the major source of revenue. However, slowdown in the real-estate sector has adversely affected the income from this source.

Policy relaxations and funds to be received from State Government and other public undertakings

- As the State Government has appointed MHADA as a development authority for developing MHADA layout, it has led to a further loss of revenue for MCGM.
- As per DCPR 2034, from 13.11.2018, MCGM's share of premium towards grant of "Fungible Compensatory Area" has reduced. Similarly, the share of MCGM in premium towards grant of "Additional FSI on Payment of Premium" has also reduced.
- The outstanding dues from SRA against 25% premiums for schemes sanctioned on MCGM land is ₹618 crore.

- Due to reduced rates for concession policy of MCGM regarding open spaces around buildings, the revenue in the 'Deficiency Premium' has been reduced. The part payment receivable from MHADA and SRA is not received in lieu of development charges and development cess.

Due to a decrease in major sources of income as elaborated above, it has now become essential to work on innovative ways of increasing revenue without increasing the tax burden on common Mumbaikars.

(₹ in crore)

Sr. No.	Source of Revenue	2019-20			2020-21
		Budget Estimate	Actual upto Dec 2019	Revised Estimate	Budget Estimate
1	Octroi compensation	9073.28	6795.54	9073.28	9799.15
2	Property tax	5016.19	1810.37	5016.20	6768.58
3	DP fees and premiums	3453.64	2067.88	2935.40	3879.51
4	Interest on investment	2332.36	1625.85	2060.64	1828.13
5	Water and Sewage Charges	1459.13	911.23	1400.81	1535.88
6	Grant-in-aid from State Govt.	446.56	17.50	443.16	1266.73
7	Supervision charges	674.55	268.35	588.10	796.11
8	Others	2528.11	1331.35	2328.86	2574.21
Total		24983.82	14828.07	23846.45	28448.30

Measures to increase the revenue income**Increasing the revenue from property tax**

It is deemed appropriate that under property tax reforms, garbage collection fees, sewage collection fees should be collected without increasing current total property tax burden. Henceforth, water taxes and sewerage taxes will be changed to garbage, sewage and water fees.

The following recovery actions are being taken for outstanding recoveries of Property Tax and Water Tax:

- Recovery actions like issuance of notices to defaulters, disconnection of water connections, attachments and auction of properties have been initiated against commercial establishments, lands and industrial establishments etc.
- 1237 properties have been attached as of January 2020. This drive has resulted in the sharp rise of 84% of collection as compared to the same period last year.

360 degree Lidar Survey

- So far, assessment of 1858 deviations has resulted in ₹9.47 crore rise in yearly demand and ₹50 crore with retrospective effect.
- To pay Property Tax via online mode, additional facility for online payment has been introduced in January 2020. Since then the quantum of online payments has increased from 3% to 6% as compared to the same time last year and we would like to increase it to 10% by the end of this year.

- For the forth-coming slab of 2020-21 to 2025-26, new Property Tax rules are being reformed. These proposed rules will bring in more coherence and transparency.
- MCGM has undertaken certain measures to recover outstanding dues such as flatwise bill generation and Early Bird incentive scheme to attract people to pay Property Tax on time.

DP Premiums: Compounding SHASTI

As per the D.C.R. 1991, building permissions had been given to the parts like flower bed, deck, lofts etc which were not included as a part of FSI. Unauthorised use of these areas by residential and commercial establishments have been observed. Thus as per the DCPR 2034, we are providing conditional additional FSI/fungible FSI so that the space can be regularised.

- Compounding Fees of 15% of Ready Reckoner value of unauthorised use of FSI can be levied.
- Builders/housing societies/building owners can take benefits of this policy.
- The expected rise in revenue because of this policy will be around ₹600 crore.

Investment Policy to increase interest income

Reduction in interest rates has been seen as the repo rate was 7.75% in January 2015, 6.25 % in June 2017 and 5.15% in January 2020.

Adopting a prudent Investment Policy to increase interest income, MCGM will implement an investment philosophy that encapsulates the global principles of safety, liquidity and returns.

New investment avenues

Considering the volatility and fall in rate of interest, the MCGM by following a prudent investment policy must seek other avenues to increase return on its deposit. In compliance of the provisions of MMC Act, 1888, for investment of MCGM surplus money, administration is considering to invest in secured and high yielding avenues like government bonds, debentures.

Revision of Municipal Services fees

- It has been noticed that some of the Municipal charges/fees have not been revised since the last 10 to 15 years. Over the years, the expenditure on these services has increased significantly as compared to the charges / fees being collected.
- Considering the financial condition of MCGM, we propose to revise these charges / fees. As such, the administration is of the opinion that these charges / fees viz. Trade License, Market License, Birth Certificate, etc. which have not been revised since a long time be increased by a flat 5% every year by the Head of Department, to keep up with the rate of inflation. I have, therefore, initiated a detailed proposal separately in this respect for the approval of the concerned committee. If in any case, the charges / fees are required to be increased by more than 5%, specific sanction of the concerned committee will be obtained separately.

Undertaking these steps, we are ensuring that there is no increase in the general tax burden on the general public.

New income avenues from Properties**Revised capitalised value policy regarding pending redevelopment projects on land belonging to the MCGM**

As per new policy, in case of delayed redevelopment on Municipal Tenanted plots, MCGM will receive capitalised value at Stamp/Ready Reckoner Rate effective on the date of actual payment. MCGM will get about ₹125 crore in coming year. Further, ₹950 crore are expected in the next four to five years thereafter.

Proposal submitted to the Corporation**1. Policy of Renewal of Lease**

Allow renewal of expired leases subject to removal / regularization of breaches in next three years. This will promote redevelopment of old tenanted leasehold properties and enhance municipal revenue by way of breach penalty, premium, lease rent at higher rate etc.

MCGM may get additional revenue of ₹200 crore in next two years and around ₹85 crore every year thereafter. Similarly, building proposal approvals may earn ₹160 crore in premiums.

2. Policy regarding regularization of unauthorized construction / breaches of leased plots

On approval of proposal through Building department, MCGM will get revenue of about ₹30 crore every year for regularisation of regularisable constructions done without permissions.

3. Policy regarding granting lease of Vacant land Tenancy

MCGM has allotted about 3668 Vacant land Tenancy (VLT) and is getting meagre rent for the same. It is proposed to grant lease to the VLT of area adm. 125 sq.mtr. and above. Accordingly, MCGM will get revenue in the form of premium and lease rent. Redevelopment can be approved, which shall fetch premium on surplus area, lease transfer premium and fees.

Considering the area of about 1.48 lakhs sq.mtrs, MCGM will get revenue of about ₹60 crore in the coming year and ₹700 crore in four to five years thereafter. **These measures are expected to increase revenue by ₹500 crore every year.**

Due to all above measures, income is expected from recovery of ₹1500 crore on account of part recovery of outstanding dues of Property Tax, ₹600 crore on account of compounding 'Shasti' in D.P. department, ₹800 crore on account of outstanding grant from Government and ₹500 crore due to revision of Estate policy which shows increase in total income.

Reduction in Expenditure**Human Resource**

The establishment cost is 50% when compared to the revenue expenditure. This is extremely high in comparison to the norms 35% set by the State Government.

- To reduce load on the budget, further filling of vacancies for all posts has been kept on hold until revenues show an upward trend. The vacancies arising from retirement, will

not be filled. Thus a savings of ₹250 crore is expected annually. As such, revenue expenditure of ₹19205 crore during the year 2019-20 is reduced to ₹18797 crore in 2020-21.

- Once the economy revives and there is increase in income, the decision on undertaking fresh recruitment can be reviewed.

Annual additional burden of ₹1300 crore due to 7th Pay commission.

- Since the salary expenditure is unavoidable, we will have to curtail other establishment expenditure. The duties and duty hours of staff will be adjusted in such a way that expenditure on overtime allowance will be minimized. We have also rationalized deployment of human resources.
- It is proposed to hire apprentices for a period of 6 months to 1 year in various departments in basic administrative roles like clerks and in technical roles like gardens, litigation and engineering. They will have no right on Municipal job.

As per provisions of the recent amendment in Maharashtra Apprentices Act of the State Government, MCGM can provide a basic stipend to these apprentices.

Other measures of cost reduction

- 50% of pension due under 7th Pay Commission has been paid. It has also been decided to disburse the remaining amount in

3 instalments to reduce the annual financial burden on budget.

- Reducing unnecessary expenditure on acquisition of encroached land under reservation for discretionary duties.

The proposals for land acquisition of development plan reservation fall in two categories as per MMC Act, 1888 -

1. Obligatory Duties falling under Section 61 of the MMC Act, 1888 includes: Public Road, Bridges, Nallas, Public Hospitals etc
2. Discretionary Duties falling under Section 63 of the MMC Act, 1888 includes: Gardens, Public Parks, Recreational Grounds etc.

Land Owners of encumbered plots who are unable to realize its potential, issue purchase notices by following defined procedure. Thus MCGM is forced to notify these lands for purchase and acquire them in lieu of monetary compensation.

The reservations which fall under the category of obligatory duties (Section 61 of MMC Act, 1888) will be acquired. However, as per provisions of LARR 2013 Act, this land cannot be utilized for its intended purpose until it is free of encumbrances by rehabilitation of PAPs. This cost also has to be borne by MCGM.

There are 76 cases of acquisition of land reserved for discretionary duties of MCGM that will cost ₹8303.79 crore.

The cost of rehabilitation for these proposals have been estimated to cost another ₹6751.40 crore. Some of the examples are as under :-

Sr. No	Village	Reservation in 2034	Area Sq.mt	Tentative Valuation as per MCGM (₹ in crore)	Tentative Valuation as per SLAO (₹ in crore)
1	Nahur	RMS1.1, ROS 1.5	30086.6	279.04	809.22
2	Girgaon	Garden/ Park ROS(1.5)	2019	29.32	85.04
3	Kanheri	ROS1.5 (Garden/Park)	2000	17.29	50.15
4	Kurla I	Playground	1450	14.96	43.39
5	MALABAR HILL	Garden/ Park ROS(1.5)	11083.96	525.27	1,523.29
6	Mazgaon	ROS1.5+ROS 2.8+ROS2.4 Botanical Garden	7670.94	131.16	380.38
7	Malabar Hill	Garden/ Park ROS(1.5)	2377.36	108.46	314.55
8	Pahadi Goregaon	Road Depot (RMS 1.1)	6034	33.86	98.21
9	Pahadi Goregaon	Garden/Park (ROS 1.5)	6280	30.66	88.93
10	Dadar Naigaon	ROS1.5 (Garden Park)	1993.59	26.33	76.38

It is proposed to acquire these lands in lieu of TDR. Also, if such reserved lands encumbered by slums are developed under SRA Regulation 33(10), then MCGM will get vacant land reservations or buildable reservations without incurring any

cost. When D.P. provisions as Regulations 33(10),(11),(14) exist, it is not advisable to pay huge compensation for these lands as it is only profitable to private landowner.

It is observed that, in some cases even after the acquisition of the land at MCGM's cost, some of the private developers grabbed some land for redevelopment under SRA.

Sr No	Village and CTS Number	Reservation	Area Sq.mt	Amount given ₹ and date	Approx. cost of draft award as per current trend (2.9 times) (₹ in crore)	Land premium 25% of ASR (₹ in crore)
1	408 (pt) and 412 (pt) of village Kanjur	R&R	1,478	99,718 27.02.1981	43.12	3.71
2	344 of village Chembur	Transport Garage, Municipal school, play ground, DP road, electric sub station	57,908	5,02,120.05 Year 1986	1360.27	117.26
3	426, 444, 445, 448, 460, 441, 440, 432, 436, 439, 467 and 466 of Gundavalli	PH	55,396	4,29,656 Year 1964	1670.70	144.02
4	Mogra	PG	10,792	13,45,000 Possession 14.12.1984	215.00	18.53

Hence, this type of encumbered reservation under Section 63 will be acquired only by giving TDR. In exceptional cases, if such type of lands are required to be acquired, a separate budget head has been created, 'Acquisition of fully

encumbered/ encroached land reserved under discretionary duties with no open space’.

Size of Budget Estimates of A, B, E, G & T. A.

(₹in crore)

Details	B.E. 2019-2020		R.E. 2019-2020		B.E. 2020-2021	
	Income/ Receipts	Expenditure	Income/ Receipts	Expenditure	Income/ Receipts	Expenditure
Revenue Income	24983.82		23846.45		28448.30	
Revenue Expenditure		19205.57		19240.31		18796.74
Capital Receipts	508.87		147.20		611.95	
Capital Expenditure		11480.42		10785.08		14637.76
Net withdrawals from funds	5199.90		6036.01		4380.77	
Total	30692.59	30685.99	30029.66	30025.39	33441.02	33434.50
Surplus		6.60		4.27		6.52
Grand Total	30692.59	30692.59	30029.66	30029.66	33441.02	33441.02

Size of Budget

The B.E. of 2020-21 is ₹33441.02 crore which exceeds the B.E. of 2019-20 i.e. ₹30692.59 crore by ₹2748.43 crore and 8.95% in percentage term.

Capital expenditure

Even though major part of fund is expended on revenue matters, we have also succeeded in increasing expenditure on infrastructural project.

	2018-19 (Actual Expenditure)	2019-20 (R.E.)	2020-21 (B.E.)
Capital Expenditure	5432.24	10785.08 (₹6836.79 up to January 2020)	14637.76
Revenue Expenditure	15211.67	19240.31	18796.74

This shows that special efforts have been undertaken for increasing Capital Expenditure.

Prestigious projects of MCGM

Hon'ble Chairman, adhering to our principle of transparency, the position of committed liability and availability of resources is shown as below :-

(₹ in crore)

Proposed Expenditure/layout		(₹ in crore)	B.E. 2020-21
Sr.No.	Particulars	Amount	
1.	Liabilities of Budget 'A', 'B' & 'E'	13434.77	4307.45
2.	Liabilities of Budget 'G'	2190.80	1005.32
3.	Mumbai Coastal Road	13141.26	2000.00
4.	GMLR (Goregaon Mulund Link Road)	6296.23	300.00
5.	Solid Waste Management Project including Waste to Energy Project.	2395.25	231.97
6.	Mumbai Sewage Disposal Project (MSDP Stage-II)	15395.00	178.52
7.	Gargai and Pinjal Projects (As per 2012SR)-WSP	16210.00	503.86
8.	Water Conveyance Tunnel – WSP	3157.89	170.79
9.	Cycle Track – H.E.	422.36	60.00
10.	Major Pipeline Works – HE & WSP	967.76	376.49
11.	P/L Sewerline Micro/Open Cut Method– SP	497.25	215.42
12.	Work of Mithi River Project – MSDP	865.04	91.00
13.	Bhagwati Hospital	592.00	70.00
14.	M.T. Agarwal Hospital	457.03	40.00
15.	R.N. Cooper Hospital (Medical College Building)	290.26	100.00
16.	Pandit Madan Mohan Malviya Shatabdi Hospital Govandi	501.92	30.00
17.	Acworth Leprosy Hospital	170.00	10.03
18.	Tata Compound Hostel Building	55.98	24.00
19.	Ashray Yojana	1617.28	184.80
20.	Bandra Bhabha Expansion	287.01	25.00
21.	Sion Hospital	580.72	4.00
22.	Topiwala Market	151.73	45.00
23.	Extension Building to Nair Hospital Dental College	151.89	35.00
	Total	79829.43	10008.65

Though the revenue of MCGM can be under stress, sufficient provision was made for all infrastructural projects to achieve the vision of Mumbai 2030.

Reserve Available as on 31.12.2019		(₹in crore)
Sr.No.	Particulars	Amount
1	Infrastructure Development Fund (Fungible FSI)	13744.56
2	Asset Replacement Fund	7433.03
3	Asset Replacement and Rehabilitation Fund	8969.05
4	Roads & Bridges Construction/Development Fund	0.48
5	Land Acquisition & Development Fund	1240.05
6	Primary School Building Construction Fund	246.34
7	Primary School Building Maintenance Fund	347.85
8	Development Fund-124J MRTP Act	56.12
9	Development Fund DCR 64(b)	4115.77
10	Development Fund- Municipal Secondary Schools	64.42
11	Accumulated Surplus including Depreciation Fund	16068.59
	Total	52286.26

Besides, following are the reserves as on 31st December, 2019 which are tied up for specific purpose only –

(₹ in crore)

Sr.No.	Particulars	Total
i	Provident Fund	5155.21
ii	Pension Fund	7060.24
iii	Gratuity Fund	5.97
iv	Fixed Deposit – Defined Contribution Pension Scheme - 1	1647.59
v	Other Special Funds (as per Annexure XII)	2014.27
vi	Contractors & Other Parties Deposits	8944.32
vii	Trench Deposit & Other Grants	1554.92
	Total (i to vii)	26382.52

As mentioned above ₹26382.52 crore are being held by MCGM in reserves towards committed liabilities in a position of trust. The remaining ₹52286.26 crore have now been linked

to various infrastructure projects. This will ensure that reserves are funnelled towards Capital Expenditure to improve infrastructure for citizens in Mumbai.

MOBILITY

ROADS

In 2020-21 about 289 km roads are proposed to be improved (266 km. roads in CC and 23 km. in Asphalt).

Prominent roads proposed for improvement in CC roads for 2020-21 are Princess Street, Napean Sea Road, Kalbhadevi Road in City, Tejpal Road and Makarand Ghanekar Marg, Shantilal Modi Road in Western Suburb, Ankush Gawde Marg, Ghatkopar (E), Narayan Nagar Road in Eastern Suburbs.

Road safety & black spots (Accident prone area)

There are some spots/ locations where the frequency of accidents is high, are called as black spots. It is proposed to execute these road designs through Global Consultants.

39 identified black spots, out of which 17 black spots are identified on municipal roads. We are in process of inviting RFP (Request For Proposal) for appointment of Road Safety Auditor for ensure the road safety of existing major road.

Performance based contract works

In conventional tenders, the contractors do not respond to rectify defects during D.L.P periods. Hence, to keep a control over D.L.P period, the payment condition of deferred payment will be applied in the new tenders at the ratio of 80:20 (80% payment after construction and 20% deferred over the D.L.P

period). This will ensure work compliance from the contractor during D.L.P.

Some roads were assigned on 60:40% basis on the lines of State Government. In this situation of decreasing revenue collection, undertaking roads on 60:40% on the basis of State Government will defer MCGM's liability to future, when revenues could improve.

Pedestrians first

Footpaths will be improved with Stencil Concrete, marble chips finishing or Plain CC instead of Paver Blocks. Street furniture will be provided on these roads as per model study and standard unique design.

A separate budget provision of ₹50 crore for footpath is allotted in the year 2020-21.

Utility Duct Corridor

It is proposed to design and build new roads above 60 ft. with separate utility duct corridor to prevent frequent trenching. E.P.C.based tenders are being invited.

Name of main roads	Length of road in Meter	Amount of such tenders (₹ in crore)
90 feet road from Ashok Kedare chowk, behind fish market, Bhandup West.	100	3.06
Aarey Road from WEH to Marol Toll Naka and Filter pada toll naka	7000	84.00
Improvement of 18.3 m wide DP road from Goregaon check point to Hindu Cemetery	1180	32.39
Cama Estate Road	120	3.29
M G. Road extension	350	14.41
Total	8750	137.15

Junction Improvement

Some of the important junctions have been designed as per International standards. Accordingly, MCGM has improved three junctions i.e. H.P. Junction (Bandra), Wadala and Nagpada Junction. It is proposed to improve 19 junctions with assistance of Bloomberg Philanthropies this year.

Innovative solutions will be implemented as proposed in the street lab competition organized with WRI on S.V. Road, Nepean sea Road, Vikhroli Parksite Road No.17, Maulana Shaukat Ali Road and Rajaram Mohan Roy Road.

Traffic Signages

We have prepared the traffic signage plan for the major roads for 200 km in Mumbai through traffic consultants as per the Indian Road Congress (IRC) specification. The tender was invited for upgradation of traffic signage on above roads and work is in progress. The estimated cost of the work is ₹35 crore.

The R.E. proposed for the year 2019-20 is ₹1448 crore and the B.E. for 2020-21 is ₹1600 crore.

MUMBAI COASTAL ROAD PROJECT

I am happy to inform you that work related to the prestigious Coastal Road Project has already commenced in October 2018 and presently work is in progress at Chhota Chowpatty, Priyadarshini Park, Amarsons Garden, Haji Ali Junction and Worli sea face. The project is envisaged for completion within four years.

The estimated construction cost of Coastal Road Project is ₹12,721 crore. Coastal road will add 90 Ha land under gardens and roads.

In February 2019, 5 PILs were filed by various NGO's before Bombay High Court. As per order passed by Hon'ble Bombay High Court on 16.07.2019, the execution of Coastal Road was completely stopped on site.

A Special Leave Petition was filed in Hon'ble Supreme Court of India by MCGM and Hon'ble Supreme Court of India vide order dated 17.12.2019 has vacated the stay and the works have recommenced on site.

The budget provision for the year 2019-20 is ₹1600 crore.

Budget Provision of ₹2000 crore has been proposed in the financial year 2020-2021.

GOREGAON MULUND LINK ROAD PROJECT (GMLR)

The project is being implemented in four phases.

First Phase

Construction of approach Roads for Nahur ROB (Excluding Railway span) is in progress and will be completed in 2021.

Second Phase

Widening of GMLR from existing width of 30.00 m to 45.70 m is in progress and will be completed in 2021.

Third Phase

- a) Improvement of major Intersections along GMLR- proposed flyover at
- 1) L.B.S. Marg Jn. Mulund with Khindipada elevated Rotary
 - 2) A.K. Vaidya Marg and Film City Road, Goregaon
- b) Tunnel Construction
- 1) Tunnel underneath SGNP
 - 2) Cut and Cover Box Tunnel within Film city.

As regards, proposed Design Built flyovers, RFQ invited and work is scheduled to start in June 2020. RFQ for tunnel work has been invited and work is scheduled to be started from October 2020.

Fourth Phase

- 1) An underpass across Western Express Highway at Oberoi Mall, Goregaon.
- 2) Second level Flyover at Eastern Express Highway at Airoli Junction.

For this component, tender will be invited after commencement of tunnel project.

The budgetary provision for this project is ₹300 crore in the year 2020-21.

BRIDGES**Prominent bridge works in progress, which is part of CMP.**

It is proposed to commence the work of widening and reconstruction of bridge across Mithi River at Mahim Causeway. After follow up, Stage - I Forest Clearance is nearing approval.

New major upcoming bridge works

Bhoomi pooja has been done by Hon'ble Chief Minister of ROB's connecting Keshavrao Khadye Marg to Saat Rasta Junction and Dr. E.Moses Road to Saat Rasta at Mahalaxmi station. These are important ongoing works which will improve mobility as per CMP.

Flyover over to reduce traffic at JVPD circle is planned with block cost of ₹150 crore.

Extention of Balasaheb Thackeray flyover from western express highway to Poonam Nagar along JVLR is planned along with Metro Line.

Assurance of 2019-20

The work of construction of bridge near Infinity Mall, Lagoon Road in P/North ward and construction of elevated road from Lokhandwala, Andheri to Lagoon Road, Malad is in process. CRZ and forest clearances are being processed.

Sanction of Improvement committee of MCGM is obtained to purchase the land of Airport Authority of India and the work of construction of bridge near Airport Authority of

India office will be started after actual handover of land to MCGM by Airport Authority of India.

A Budget provision of ₹799.65 crore is proposed in B.E. 2020-21 and R.E. of ₹611.67 crore in 2019-20.

ENVIRONMENT

STORM WATER DRAINS AND FLOOD MITIGATION

To abate water logging in Mumbai, the micro planning of each flooding spot was done. During the year 2017 and 2018, total 273 Nos. of water logging spot were observed, out of which 204 Nos. of water logging spots were attended to abate the water logging thereat. For remaining 45 water logging spots, remedial works are taken in hand and same will be completed before onset of monsoon 2020. Other 24 water logging spots will be dealt with subsequently.

Prominent works taken up in hand

In Mumbai, the main cause of water logging in low lying area is heavy rainfall coinciding during high tide and neap tide. Hence focus on elimination of tidal effect on SWD network has been emphasized. Accordingly, construction of two more SWPS at Mogra and Mahul has been taken up on top priority and tenders for the same are invited.

Currently, MCGM is expediting the completion of remaining works under BRIMSTOWAD and especially focusing on low lying areas. Of the 8 identified spots, 6 pumping stations are already in operation and the other

2 (Mogra and Mahul) works will be started after acquisition of land. A provision of ₹150 crore is made in the budget of 2020-21.

Looking at the space constraints in Mumbai, technology for providing gate pumps at outfalls is being explored to eliminate the tidal effect on SWD network and to control the water logging in low lying area. The gate pumps can be installed within the nalla thereby nullifying the need of cutting of mangroves and space requirement for construction of SWPS.

- In order to prevent floating garbage in nalla from entering directly into sea, the work of installation of back rack screens at Irla and Lovegrove Nalla has commenced.
- The hydro zoom camera is being used effectively to monitor desilting of railway culvert. Remote control swing loader machine is purchased at the cost of ₹2.68 crore for effective desilting of larger size road and railway culverts.
- For the forth coming monsoon 2020, the budget provision of ₹50 crore, ₹70 crore, and ₹18 crore is proposed for desilting of major nallas, minor nallas and Mithi River, respectively.

Mithi River

- The plan for beautification and managing the disposal of sewage into Mithi River has been prepared and is divided into four packages.

- The Package-I work of ₹130 crore is in progress and it comprises of diversion of dry weather flow by constructing interceptors and conveying the same to proposed 8 MLD sewerage treatment plant and construction of service road.
- The package II work includes construction of retaining wall, service road, interceptor and laying of sewer line between Filterpada to CST Road with estimated cost of ₹345 crore for which bids have been invited.
- In Package-III, construction of interceptors with Flood Gates, and balance work of river retaining wall and service road have been proposed at the cost of ₹200 crore.
- In Package-IV a new tunnel is to be constructed from Bapat nalla and Safed Pool nalla upto Ghatkopar Waste Water Treatment Facility at the cost of ₹270 crore. Budget provision proposed in 2020-21 is ₹70 crore.

Rejuvenation of Rivers

MCGM has undertaken rejuvenation of Dahisar, Poisar and Oshiwara Rivers.

The rejuvenation of rivers includes widening of the rivers, improving the quality of water, curbing pollution of river, creating sewer network, constructing desilting access roads, beautification of river banks and building Sewerage Treatment Plants. The tenders have already been invited for all three rivers.

JICA Project to adopt underground tunnels and underground reservoirs to store/divert surplus flood waters has been provided ₹5 crore.

The budget provision of ₹825.05 crore was made in B.E. 2019-20 which is proposed to ₹1013.37 crore in R.E. A provision of ₹912.10 crore is proposed in B.E. 2020-21 for various SWD Works.

MUMBAI FIRE BRIGADE

Targets of 2019-20

During 2019-20, the project of up-gradation of the Control room of Fire brigade with modern and latest available technology was taken up which comprise of Integrated Command and Control System, Comprising of GIS and GPS based Automatic Vehicle tracking system and Distress call response Management System–Dial 101 (ICCS) was successfully Go Live on 08.03.2019.

Digital Mobile Radio (DMR) system is one of the milestone achieved by fire brigade in year 2019-20. The entire wireless system of Mumbai Fire Brigade is replaced with Digital Mobile Radio (DMR) system at the cost of ₹8.72 crore and will be commissioned shortly. A provision of ₹2 crore is proposed in B.E. 2020-21.

1. Firefighting Equipment and Infrastructure

During the year 2019-20, following major projects have been completed :-

Vehicles and Equipments

- a) Hazmat vehicle for Chemical/Biological/Radiological disaster.
- b) Fire Fighting Robot for fighting the fires in dangerous zones.

- c) Water Tower vehicle of 55 mtr. for which LOI is issued.

Infrastructure Facilities

- a) The work of construction of new fire stations at Thakur Village, Kandivali (East), and LBS road, Kanjur Marg (W) have been under taken by C.E. department.
- b) A plot reserved for fire station located at Juhu Tara Road, Santacruz (W) has been handed over to Fire Brigade department and full-fledged fire station will be constructed shortly.

2. New Project Proposed in 2020-21

Under the project called “Enhancement of Emergency Response” (PEER), various projects have been undertaken to upgrade the infrastructure and capability of fire brigade department.

The major projects which will be undertaken are:-

- Purchase of various vehicles and equipments which includes 64 mtr. and above Turn Table Ladder or Hydraulic Platform, 50 mtr Hydraulic Platform, Drones, Quick Response Vehicles.
- Construction of Drill Tower cum Multi Utility training Stimulator at Thakur Village Fire station for capacity building of Firemen.

To keep the pace of development of Fire Brigade department, I propose a budget provision under capital expenditure of ₹85.42 crore for Plant & Machinery and ₹19.02 crore for civil works to be executed in B.E. 2020–21.

MAJOR PROJECTS

To implement the SWM Rules 2016, MCGM has planned to undertake Mega Projects to achieve climate friendly and green house gas neutral city. We are taking up recycling of garbage and waste to energy projects.

Dumpsite Reclamation at Mulund Dumping Ground (MDG) in Mumbai by adopting suitable technology for existing garbage dump

- The tender process for Dumpsite Reclamation of Mulund Dumping Ground has been completed. The contract period of the project is 6 years. MCGM intends bio-mining of about 11,90,000 Tons of municipal waste in the year 2020-21.
- Department is in process of acquisition of land at Karavale, Tal – Ambernath, District – Thane. Physical possession of about 30 acre of land has been given by GoM to MCGM on 16.02.2019. Rest of the land is to be given by GoM.

A total budget provision of ₹231.97 crore is proposed in B.E 2020-21.

SOLID WASTE MANAGEMENT**Segregation & processing of waste at source**

As mandated by SWM Rules 2016, MCGM has made it mandatory for Bulk Waste Generators (Residential, Commercial, Market premises etc.) to segregate & process their waste at source. MCGM has targeted to achieve “5 star Garbage Free Rating” under SBM with up-gradation of SWM processes and systems.

Beach Cleaning

At Dadar-Mahim Beach, the work of Comprehensive Beach Cleaning is carried out 24 x 7 Bob Cat machines are deployed to clear beaches.

Ashray Yojana

Out of total sanitary staff of 29800 only 5592 staff quarters are currently available for SWM staff at 46 locations. It is proposed to develop 14110 tenements, each of 300 sq. ft.

Tenders are invited in 11 lots for appointment of agencies on “Design and Built” basis to provide 12,698 tenements at 35 locations. Project Management Consultants (PMC) are being appointed for the said work. The work is targeted to be completed within 2 years from award of work to appointed agency.

GARDENS AND GREENERY

- The work of construction of open sports complex at Veera Desai Marg, Andheri (W) and Bhavdevi playground, Dahisar (W) each having area about 12 acre are at final stage of development and will be opened for citizens very soon.
- The work of construction of Sardar Vallabhbhai Patel swimming pool at Kandivali (W) is at final stage and will be opened for citizens very soon.
- Backbay Reclamation in Cuffe Parade is planned to develop as Garden/Park for which consultant has been appointed for preparing a detailed project report.

- Besides, spaces below flyovers are also identified for beautification. 70 hectare of reclaimed area for green belt and recreation facilities will be available in the Coastal Road Project.
- Renovation work of Bandra Lake is at final stage of development and will be opened for citizens very soon.

Ongoing works

- Development of space below Jagannath Shankarsheth Flyover is in progress.
- Completely new development of Anandibai Surve Udyan, Kurla is in progress.
- Beautification work of Garden at Joggers Park, Bandra is in progress.

Increasing Urban Forests to provide Carbon sink and Oxygen and Bio-diversity Banks

Due to space constraint there are limitations to achieving required goal. Also due to plantation in built up space like roads, footpaths and covered tiled area, incidence of tree fall and human death is very high. Hence, further increase in tree cover will come from plantation in open spaces/gardens and in private layouts of developers in recreation grounds via method of dense urban forests of indigenous local species. Hence MCGM has now decided to increase urban forest cover by adopting Miyawaki method / concept of plantation / afforestation.

R.E. for year 2019-20 is ₹172.26 crore and Budget provision of ₹254.18 crore is proposed in B.E. 2020-21.

HEALTH

MEDICAL EDUCATION AND MAJOR HOSPITALS

Presently, the footfall of patients per day in all hospitals (Peripheral + Major + Specialised) is 35,600, Dispensaries is 16,505 and Maternity Homes is 1,600. Footfall in the peripheral hospitals for secondary treatment will increase. Medical colleges will be able to cater only to specialized care.

The Peripheral Hospitals are being converted to post graduate centers for CPS/FCPS and DNB Courses. This will result in conversion of Peripheral Hospital to a Hospital nearer to Medical College standards. These Hospitals will then deliver Medical & Surgical services similar to Medical Colleges near the residence of the patients. The DNB courses will be started in three hospital in eastern suburbs and 3 on western suburbs.

For DNB Courses full time Contractual Specialty Medical Consultants will be appointed.

The UG & PG seats have been increased in Medical & Dental Colleges by 33% by Central Government. The Educational facilities such as larger class rooms, virtual class rooms, bigger laboratories, and hostels for the students will be needed in near future.

Strengthening of Infrastructure

- New construction of Topiwala Maternity Home and Diagnostic Centre at Punjabi Gully, Borivali is completed and will be commissioned soon. Diagnostic centre at Punjabi Gully will be run on PPP basis
- The constructions of Shirodkar Maternity Home at Vile Parle (W), Deonar Shivaji Nagar Maternity Home is nearing completion and expected to be completed within 6 months.
- The constructions of hostels at Haji Ali for Nair Hospital and Tata Compound for Cooper Hospital are under progress and expected to be completed in the year 2020-21.
- For strengthening of civil infrastructure for HIC for major structural repairs of 29 hospitals, 287 numbers of health posts/ dispensaries and 28 maternity homes, budget provision of ₹382.19 crore was proposed in B.E. 2019-20.
- Re-development project of Centenary Hospital, Govandi - Estimated cost ₹502 crore.
- Rajawadi Hospital RMO quarters - Estimated cost ₹15.22 crore
- R.N. Bhagwati Hospital, Borivali (West) - Estimated cost ₹592 crore.
- M.T. Agarwal Hospital, Mulund (W) - Estimated cost ₹457 crore.
- Bandra Bhaba Hospital - Estimated cost ₹287 crore.

All these works are on their way in various phases of its progress and work has commenced.

- These works completion is expected in year 2022-23. For HIC ₹570.33 crore are proposed in B.E. 2020-21. New buildings for Nurses, RMOs, and Student's Hostel will come up in Sion Hospital Phase - 1A approximately costing ₹650 crore. The tender is in process.
- The Nair Dental Hospital is going ahead with a Multi-storied building as plan of expansion of services and the hostel for the students. Four storeyed of this building are complete. The construction Super Specialty Hospital at Kandivali Shatabdi hospital Kandivali (West) will be under taken in the year 2020-21.
- Major structural repair work is going on in K.E.M., Sion, Nair and M.W. Desai Hospital. At various places the work completion has progressed from 25% to 75%. A new building is planned in Karsturba Hospital's campus. ₹7 crore is proposed for the same in 2020-21. A Hostel Building is proposed in Acworth Hospital Campus for the students of KEM Hospital. Initial Budget provision of ₹10.03 crore is made in 2020-21.
- Most awaited selection interviews for the post of Associate Professor will take place in upcoming year. In Peripheral Hospital additional total 52 posts of PGMO in 3 subjects i.e. Radiology, Pathology, Microbiology are created in July 2019. Qualifications for same are submitted for approval to legal committee and corporation after which recruitment will be started.

Aapli Chikitsa

Blood investigation facility provided in all Peripheral Hospitals, Dispensary and Maternity Homes. It runs 24 x 7 to avail the services to patients. This facility is extended to Urban Health Centers of all the 4 Medical College Hospitals.

Blood Component separation unit are being planned in Shatabdi Hospital Govandi as well as in Bhagwati Hospital. At present 5 Peripheral Hospitals have Dialysis Services. More Dialysis Services are planned by PPP Model at V.N. Desai Hospital and Maa Hospital, Chembur.

In 15 Dispensaries OPD services are planned from 4.00 p.m. to 11.00 p.m. besides the routine morning. Manpower will be procured by out-sourcing. The tender process is near completion. In another phase 35 other Dispensaries will be run from 4.00 p.m. to 11.00 p.m. in a similar way. Outsourcing of NICU services at Savitribai Phule Maternity Home is proposed for which ₹4.11 crore budget provision is made in 2020-21. Outsourcing of Pest Control is on in Zone 4. It is a Pilot project.

Crematorium

New concept of PNG Crematorium is on its way. 4 Crematoriums are already converted to PNG and 3 more will be converted in this year. Budget of ₹4.75 crore is year marked. Upgradation of cemetery near Shivaji Maidan and other cemeteries will be carried out.

Every year new 60,000 patients of Tuberculosis are found out of which 5,000 are MDR or XDR. For this Gene X pert machines and advanced laboratories are required.

Maintenance of biomedical equipments has been outsourced to M/s.Trimed Solutions for next years at cost of ₹30 crore which cover the maintenance of 4500 biomedical equipments.

VETERINARY HEALTH DEPARTMENT AND DEONAR ABATTOIR

The work of Phase-1A of modernization of Deonar Abattoir has been started. Phase-1A comprised of construction of compound wall, land filling, repairs of internal resting sheds for animals and diversion of internal nalla. Execution period of Phase-1A is 12 months excluding monsoon. Tender of phase-1B has been floated. The cost of Phase-1B tender is ₹418 crore In the financial year 2020-21, a budget provision of ₹20 crore for Modernization of Deonar Abattoir has been made.

SITC work of incinerator at Deonar (Easter Suburbs) and Malad (Western Suburbs) has been started, where as incinerator at Mahalaxmi (City) will be installed by Sir Dorabji Tata Trust. In the year 2020-21, a budget provision of ₹8.31 crore has been made.

The budget provision for Veterinary Health Department in the year 2019-20 was ₹35.60 crore and for the year 2020-21 Budget Estimate of ₹39.96 crore is proposed.

GENDER BUDGET**Upliftment of the needy and gender sensitive budgeting****Slum Improvement**

Construction of toilets particularly for slums with proper water and electric supply will be taken up on priority for which a budget provision of ₹326 crore is proposed in B.E. 2020-21.

(A) Gender Budget

- To cater to the need for safe and convenient accommodation for women, we are undertaking the work of construction of working women's hostel in western suburbs at Goregaon (W). We are proposing ₹10 crore for the construction.
- Additionally, all public spaces shall have dedicated toilets for women and installation of streetlights in dimly lit areas. These works shall be undertaken on priority through the budget with the wards
- It is proposed to allow all women citizens to use toilets in MCGM offices and facilities free of charge.

Empowering of Self-help groups by providing them with training, revolving funds, loan interest subsidy and equipment like Sewing Machine sets, Sanitary Pad Machines.

MCGM has planned various schemes under the Gender Budget for the year 2019-20 and proposed various scheme in the year 2020-21.

1) **Self-employment for deserving women:** Under Bachat Gat scheme, 227 Sanitary Pad Machines, 227 Sewing Machine

sets and 227 Machines (Total 681 Bachat Gat) will be provided with the proposed Budget provision of ₹13 crore in the financial year 2020-21.

2) **Training for skill development** – Total 3859 women Trainees will be trained for making sanitary pad, catering, sewing. The proposed Budget provision for implementing this scheme in 2020-21 is of ₹ 6 crore.

3) **Employment skill training** - IDEMI skill training institute will provide training to 233 trainees. The budget provision of ₹50 lakh is proposed in the year 2020-21.

4) **Revolving Funds for SHG's** - 345 BPL SHG's and 908 Orange /Yellow Ration card holding SHGs are benefited by this scheme. The budget provision of ₹4 crore is proposed in the year 2020-21, Revolving Fund to Area Level Federation ₹30 lakh.

5) **Loan Interest Subsidies for SHG's** - 227 SHG's are benefited by this scheme. The budget provision of ₹30 lakh is proposed in the year 2020-21.

(B) Scheme for differently abled Persons

1) MCGM provides 100% concession in bus fare to blind and differently abled person while traveling by the Non-AC BEST buses. In the year 2020-21 ₹6 crore is proposed.

2) Self-Employment to Divyang persons - Under this component, budget provision of ₹3 crore is proposed during the year 2019-20 to distribute colour Xerox machine for self-

employment. Total number of beneficiaries are 254. In the year 2020-21 ₹4 crore is proposed.

3) Self-propelled scooters for differently abled Persons - The scooter with side wheels will be provided. For the procurement of same, ₹70,000/- or 85% of cost of scooter whichever is less will be provided to differently abled beneficiaries. Total beneficiaries are 511. In year 2020-21, ₹5 crore is proposed.

(C) Scheme for senior citizens

MCGM provides 50% concession in bus fare to Sr. Citizens while travelling by the Non-AC BEST buses. The RFID cards provided by the BEST. The process will be done by BEST and ₹3 crore is proposed for financial year 2020-21.

Schemes for the poor homeless and differently abled

Three amenity plots are available under 2034 D.P. implementation for shelter for homeless and recreation center. Various facilities like access to computer labs and access recreational facilities like swimming pools and gardens. Also, coaches for sports and languages shall also be provided.

(D) Night Shelter Support Scheme

25 night shelters are proposed to start for urban homeless. At present, 23 shelters are running. Three amenity plots are available under 2034 D.P. implementation for shelter for homeless and recreation center. Budget provision proposed for the same is ₹2 crore in Budget Estimate of 2020-21.

(E) Adhar Kendra

At present there are 21 Adhar Kendra at 24 wards. The shelter will be proposed in Chandivali L-Ward, Magathane R/Central ward and Dahisar R/North Ward in the next financial year 2020-21.

(F) Expenses on Programmes and Exhibitions

In year 2019-20 various days has been celebrated i.e. World Menstruation Awareness Day, World Alzheimer Day, World Senior Citizen Day, Divyang Din, World Women Day, International Homeless Day. In 24 wards exhibitions have been organized where various products displayed and sold which were made by Women SHG's. The budget provision of ₹86 lakh is proposed in the year 2020-21.

Project, Scheme, Programs for the year 2020-21

Old Age Home - As per the guidelines, Old Age Home will be constructed at Goregaon in P/South Ward. Policy for the same is being framed.

For all above facilities, we have made provision of ₹51.96 crore under Planning Department.

BETTER GOVERNANCE**DISASTER MANAGEMENT****1) Establishment of Robust & Reliable Communication System during Disaster**

Analogue VHF System installed in 2009 for communication with stake holders which is outdated will be

replaced with Digital Mobile Radio System (DMR) having advance Communication features like geo fencing, geo tracking, non interception by unauthorised Communication Network, Superior voice quality etc. The proposed DMR Network can be integrated with other Networks utilized in MCGM. Provision of ₹10 crore is proposed in B.E. 2020-21.

**2) MCGM - Mumbai City Surveillance Project
(C.C.T.V. in 24 Wards):**

Under the Mumbai City Surveillances (MCS) project GoM has installed 5000 + CCTV cameras across Mumbai. Live feed of these cameras are available in Disaster Management Control Room. It is proposed to install additional 500 Nos. CCTV cameras with integrated video analytic system along with feed in Ward Control Rooms.

BUSINESS DEVELOPMENT

MUNICIPAL MARKETS

Under the market department there are 92 municipal retail markets, 96 built-up markets and 16 private markets having 17356 licenses.

- Demolition work of china market within the premises of M.J.P. market (Phase-II) is completed and demolition of royal touch building is in progress.
- Further the redevelopment work of Dr. Shirodkar market, Topiwala market shifting of existing licensees to transit accommodation for Bandra Town and Babu Genu Market is expected to be completed by May 2020.

- In year 2019-20 structural repairs of 9 markets are completed with budget provision of ₹6.48 crore. In year 2019-20 repair works for providing modern amenities to markets were undertaken with budget provision of ₹15 crore, work of Mirza Galib market and Lokmanya Tilak market are already in progress.
- For year 2020-21, Khar-danda Market, Marol Village Market, Kasturba Market, Borivali (East) Market and Dongari Market are proposed for structural repairs for which budget provision of ₹8.36 crore is made.

For year 2019-20, proposals for redevelopment of 12 markets under regulation 33(21) was proposed for which budget provision of ₹49.15 crore is made from the budget head of 2020-21. Development of 6 plots reserved from market viz. Vazira Market Plot, Bhandup Amenity Plot, Mahul Market Plot, plot at Marwah Road, plot at Versova Yari Road and Vikhroli is proposed for which budget provision of ₹3 crore is made.

MCGM is implementing various public purpose project and the commercial structures affected by such projects are being given alternate commercial premises in the built-up amenities of municipal markets received under accommodation reservation considering the shortage of available space for allotment to commercial PAPs. Municipal Corporation has approved the policy for providing monetary compensation as per the applicable Ready Reckoner rates.

The collection of license fees, stallage charges and issuance of license certificate will be done through online portal from March 2020. Further, it is proposed to make allotment of PAP through online SAP system from May 2020.

TOURISM

TOURISM PROMOTION AND HERITAGE

Financial year 2019-20:

Building Maintenance Department has undertaken Restoration works of Prominent heritage structures / Monuments like restoration and reinstallation of Fitzgerald Fountain at Metro Junction, Restoration of Dr. Bhajekar Hospital, Restoration of E.N.T. Hospital, pilot project for maintaining Heritage look of Fort Precinct Area, etc. Also the development of textile museum at India United Mill 2 & 3 Byculla, Phase I & II on a plot measuring 44,000 sq. m. will be developed alongwith National Museums as a national cultural space. Phase I will constitute development of a recreational space in the Mill premises and a multimedia musical fountain show, for the first time in the city.

Scaling up the fort precinct project to the whole of fort area, restoration of various pyau in Mumbai etc. are some of the important new projects being taken under the heritage initiative. For the financial year 2020-21, total Budget Estimate proposed by Building Maintenance Department which includes works of major structural repairs to municipal properties of various departments, Zoo development works, Structural repairs to various Hospitals which are in category of Heritage structure etc. is ₹306.66 crore.

VEERMATA JIJABAI BHOSALE UDYAN & ZOO

The revised Master (Layout) Plan of Veermata Jijabai Bhosale Udyan and Zoo has been got approved from CZA, New Delhi on 13.02.2019, after addition of available adjacent plots for Zoo extension and other necessary facilities in the earlier approved Master (Layout) Plan of 05.12.2012. The Zoo development works are now being carried out as per the revised approved Master (Layout) Plan dated 13.02.2019.

- As per the approved designs of animal enclosures, 17 animal enclosures are being constructed under the second phase of modernisation project. Two tenders have been invited to carry out these works. Out of 17 enclosures, Jackal, Swamp deer and Black buck enclosures have been completed and animals have been displayed for public viewing. The work of animal exhibits such as Sloth bear, Madras pond turtle, Hyena, Leopard and Bird Aviary-2 are completed and the animal displayed for public viewing. The remaining enclosures like Tiger, Lion, Bird Aviary-1, etc. will be completed up to June 2020.
- The works are in progress for the development of Biome theme based garden on the site of old offices of Zoo and Garden dept and adjoining land which will be completed up to June 2020.
- Under the Zoo extension facility, on three adjacent plots (around 12 acres) the Exotic zone is proposed to be developed for the exotic species like Giraffe, Zebra, White Lion, Jaguar, etc. for which Request For Proposals (RFPs) are invited. The tenders are being invited through Request

For Proposals (RFPs) and the said works are expected to commence from June 2020.

- The Memorandum of Understanding (MOU) has been signed between MCGM and Forest Dept., Maharashtra, for the Wildlife Conservation Breeding Center for endangered species. The project can be developed by entering PPP partners as was done by GoM for Gorewada Zoo at the 120 acre plot in Aarey Colony, Goregaon. The procedures for transfer of land are under progress. The appointment of International Consultant for the proposed extension facility will be done by March 2020.

MECHANICAL & ELECTRICAL DEPARTMENT

Beautification of Beaches

In the previous year's budget, we had announced illumination of various beach fronts of Mumbai with regard to security and beautification. I am glad to announce that lighting at Versova Beach, Andheri (W), Carter Road Beach, Bandra (W) and Killeswar Road Beach, Malad (W) are completed in the financial year 2019-20. Similarly, Phase-I of Mahim Beach beautification work and an extended work of lighting at Gorai Beach, Borivali are in progress and the same will be completed in the financial year 2019-20.

Consulting Architect has submitted a scheme for beautification of Dadar beach and the same is in process. The work is expected to be completed in 2020-21. A budget provision of ₹4 crore is proposed for financial year 2020-21.

Historical Places

As a part of ongoing process of beautifying the historical and archeological forts, I propose to beautify the Worli Fort by

providing decorative illumination with energy efficient LED luminaries, which can be viewed from Worli Sea Link. Correspondence with Archaeological Department is in process. If the NOC from concerned authority is received, the work is expected to be completed in the next financial year 2020-21.

Beautification work of surrounding area and Garden at Bandra fort is undertaken as per plan submitted by consultant. Tender process has been completed.

The work of construction of sports complex and multi-storeyed sport complex at Ghatkopar will be taken up. The work will be started immediately on completion of tender process.

Energy efficiency to reduce CO2 footprints

Use of trigeneration technology in MCGM's hospitals

The use of trigeneration technology in partnership with Energy Efficiency Services Limited, a Government of India Undertaking will lead to huge saving in power needs and at the same time provide cold and hot water for potable use. A budgetary provision for 2020-21 is ₹5 crore.

Capacity Development of Civic Staff

Civic Training Institute and Research Center

In the year 2019-20, 488 training programs covering 15000 employees were proposed. Further in the year 2020-21, 500 training programs have been proposed. The newly established MCMCR (MCGM Center for Municipal Capacity Building and Research) will host training programs across various disciplines, organize designing thinking workshops and hackathons focused on issues facing by civil local bodies. To make MCMCR financially independent, provision of ₹2 crore is proposed.

Now I shall present the 'G' Budget

WATER SUPPLY

1. New Water Projects

Gargai Project:

The preliminary engineering works of Gargai Project are on fast track. The vetting of Design & drawings by the Central Design Organisation (CDO) is in final stage.

The Forest Clearance proposal is submitted and first stage approval is expected by June, 2020. The land admeasuring 670 Hectares required for compensatory afforestation under the Gargai Project has been identified near Tadoba Tiger Reserve Forest in Chandrapur District. Also, State Environment Impact Assessment Authority has informed that the Gargai Project being drinking water supply project does not fall under the purview of Notification issued by the Ministry of Environment & Forest (MoEF) in the year 2006.

The project management consultant for the work of construction of dam and water conveyance tunnel under Gargai Project has been appointed and the tender for Gargai Project is expected to be floated in the year 2020 on receipt of various statutory permissions from Central & State Government and project is likely to be commissioned in the year 2024-25. The water supply of Mumbai will be increased by 440 Million Litres per Day on completion of Gargai Project.

A budget provision of ₹503.51 crore is proposed in the year 2020-21 for Gargai project.

2. Construction of Tunnels for Water conveyance

- Chembur to Wadala and further up to Parel (9.70 Km)
– Work in progress
- Amar Mahal (Chembur) to Trombay Reservoir (5.50 Km)
– Work in progress
- Powai to Veravali and Powai to Ghatkopar (6.60 Km)
– Work in progress
- Balkum (Thane) to Mulund (7.00 Km) – Tender invited
for feasibility study

A budget provision of ₹170.79 crore is proposed in 2020-21 for above water conveyance tunnel works.

3. Structural Repairs of Reservoirs

As per the recommendations of structural auditor the major structural repair works for various reservoirs are taken in hand. At present, the works of Veravali High Level Reservoir & Ghatkopar High Level Reservoir are already completed whereas works of Malad Hill Reservoir, Bhandup Master Balancing Reservoir, Yewai Master Balancing Reservoirs, Trombay Low Level and High Level Reservoir are in progress. The preliminary engineering works of Malbar and Bhandarwada Hill Reservoirs are in process. A provision of ₹36.81 crore is proposed in 2020-21 for structural repairs of above reservoirs.

4. Re-engineering & Reconstruction of Water Treatment Plants (WTP)

Reconstruction of 90 MLD Vihar WTP is completed and plant is commissioned. The tender for consultancy services for

reconstruction of 18 MLD Tulsi WTP is being invited. A provision of ₹6.00 crore is proposed in 2020-21 for these works.

5. Rehabilitation, Replacement and Laying of New Water Mains

- The work of Laying of 3000 mm dia. missing link of Middle Vaitarna line between Chinchvali to Yewai is in progress.
- The replacement of 1800 mm dia Twin Tansa Mains by single 3000 mm dia between Balkum to Saddle Tunnel and by single 2400 mm dia. between Bhandup Anchor Block to Maroshi are in progress.
- The work of construction of Inter Connection by 4000 mm dia. MS pipe from Bhandup tunnel shaft to 1910 MLD Water Treatment Plant in Bhandup Complex is in progress.
- The work of replacement of old 1450 mm dia twin Tansa Mains by laying single 2000 mm dia. MS pipeline from Maroshi to Sahar Village is proposed.
- A provision of ₹354.99 crore is proposed in 2020-21 for above mentioned pipeline works.

6. Transfer of Vihar Overflow Water to Bhandup Complex WTP/Airoli Creek

During monsoon, in case, the high tide is accompanied by heavy rains, the overflow of Vihar Lake is discharged in Mithi River and the same creates flood like situation. Tender for preparation of Feasibility Studies of transferring Vihar Overflow Water to Bhandup Complex Water Treatment Plant or

Airoli Creek is invited. A budget provision of ₹2.69 crore is proposed in 2020-21 for this work.

Special Works

Water Quality

MCGM has achieved First Rank in the country in supplying best quality drinking water to its citizens as per the survey conducted by Bureau of Indian Standards (BIS).

Solar Power Projects

MCGM has successfully completed and commissioned Solar Power Plants at Bhandup Complex (2.5Mwp) and Pise – Panjrapur Complex (250 Kwp) which resulted in considerable power savings. Therefore, it is proposed to undertake another Solar Power Plant of 2.5 Mwp capacity at Bhandup Complex.

Abhay Yojna

MCGM has planned to roll out “Abhay Yojna” from February 2020. For better response a publicity campaign is being planned. During the period of Abhay Yojna, if a consumer pays 100% of total outstanding of the pending water bills at one time, entire additional charges will be waived off.

For water supply works a total provision of ₹1728.85 crore (+69%) is proposed in 2020-21 against revised estimates of ₹1023.89 in 2019-20 which includes Hydraulic Engineer’s department ₹582.20 crore and Water Supply Projects department ₹1146.65 crore.

SEWERAGE**Mumbai Sewerage Disposal Programme**

The first phase of New Colaba Sewage Treatment Plant has been completed and commissioned. The remaining work of Phase II will be completed by March 2020. The work of New Vallabh Nagar Pumping Station and New Chichpokali Pumping Station are completed and commissioned.

The tenders for Seven Sewage Treatment Plants (STP) are being invited in phased manner as per recent guidelines issued by Hon'ble National Green Tribunal. The proposed seven plants include S.T.P.s at Worli (500 MLD), Dharavi (250 MLD), Versova (180 MLD), Bhandup (215 MLD), Ghatkopar (337 MLD) , Bandra WwTF (360 MLD) and Malad STP (454 MLD).

MCGM has already invited tenders for,

- Priority Sewer Tunnel –I (Don Bosco School, Borivali (W) to proposed Malad IPS)
- Priority Sewer Tunnel – II (Goregaon Pumping Station to proposed Malad IPS)
- Design and Build with O&M of Malad Influent Pumping Station (IPS)

These works are expected to commence in March 2020.

A budget provision of ₹50 crore is proposed for these works in the year 2020-21.

Following works are in progress,

- Versova Pumping Station (Project cost ₹293 crore)

- Mithi River STP (Package I) (Project cost ₹129 crore)
- S.V Road Sewer Tunnel (Jai Bharat Pumping Station to Bandra IPS) (Project cost ₹334 crore)
- Versova sewer tunnel (Versova old Pumping Station to Versova new Pumping Station) (Project cost ₹126 crore)

A budget provision of ₹225 crore is proposed for these works in 2020-21.

MCGM is appointing consultant to carry out survey to decide the policy and to explore the prospective users/buyers for recycled and reuse of treated waste water for industrial and non-potable use. After tertiary treatment at Bandra & Worli sewage treatment plant of MCGM, 20% of installed capacity water will be available in phased manner for recycle & reuse for non-potable purposes.

The work of construction of STP in Veermata Jeejabai Bhosale Udyan and Zoo at Byculla is started and treated waste water from this STP will be used for gardening and cleaning in the VJB Udyan and Zoo.

MSDP projects have been delayed due to frequent changes in discharge norms by statutory controlling authorities such as MPCB/Hon. National Green Tribunal (NGT), MoEF & CC and orders by Supreme Court.

A total budget provision of ₹402.55 crore is proposed for MSDP works in the year 2020-21.

While concluding my statement on the Budget, I emphasise that no hike in tax rates of the present (Property Tax, Water and Sewerage Tax) is proposed. No new taxes have been imposed in the Budget Estimates for 2020-21.

Despite Municipal revenues coming under stress, capital expenditure has increased by 36%. Further, revenue expenditure has been reduced from ₹19205 crore to ₹18796 crore due to cost cutting in revenue expenditure and establishment cost. Special efforts have been utilised to increase income from Development Plan due to inclusion of innovative sources of income. Particular emphasis has been given on collection of at least 10% of ₹15000 crore which is outstanding Property Tax. Further efforts will be made to realize pending grants from Government.

Planned capital investments are linked to achieving the vision 2030. Hence, capital investment on roads has increased by 76%, water supply project by 69%. Also, the provisions for mitigating the adverse effect of climate changes on Mumbai has been increased by 33.88%. To make the City environmentally sustainable, recycling and reuse of waste and water and energy conservation have been allocated fund. ₹1500 crore has been allotted to public transport to reduce carbon footprint of Mumbai. We aim to make Mumbai a climate resilient city. This budget will facilitate citizens to remain healthy and all

children to access quality education. The Budget is a first step in direction of making Mumbai a happier city.

I am thankful to Hon'ble Chief Minister, Shri Uddhavji Thackeray for guidance on Mumbai 2030 and Hon'ble Mayor, Smt. Kishoritai Pednekar, Hon'ble Standing Committee Chairman, Shri Yeshwant Jadhav, Hon'ble Leader of Opposition, Shri Ravi Raja, Hon'ble Group Leaders', all respectable members and Hon'ble Councillors for their valuable advise.

I look forward to your wholehearted participation and co-operation, while presenting for consideration and approval of the Standing Committee the Budget Estimates for a surplus Revenue and Capital Budget 'A' (Fund Code - 11, 12, 60, 70), a balanced Budget 'B' (Fund Code - 21, 22, 23) and surplus Budget 'G' (Fund Code - 40) for the ensuing year.

Thank you,

Mumbai
Date : 4th February, 2020

(Praveen Pardeshi)
Municipal Commissioner

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Annexure – I**Roads****Roads started and completed during the year 2019-20**

Prominent roads improved in CC are P.J. Ramchandani, Tardeo Road, in City, Bharat Nagar Road, MIDC Central Road, Jaychandlal Kharva Road in Western Suburb and Jogeshwari Vikhroli Link Road, L&T to Gandhi Nagar Junction, Vikhroli (West), Road opp. Sharma Apartment, Jarimari, Andheri Kurla Road in Eastern Suburbs.

Prominent roads improved in Asphalt are Abdul Rehman street, Jayraj Bhai Lane in City, TATA Steel Road, side strip of L.M. Road Dahisar (West) in Western Suburbs and road from Manisha Hotel to Sarovar Caffe, 90 Feet Road, and R.N. Narkar Road from Ankush Gawade to Vallabh Baug in Eastern Suburbs.

Annexure – II**Bridges**

The work of construction of bridge on S.V. Road at Kora Kendra is in progress and 20% work is physically completed.

The extension of bridge at Ram Mandir road to Relief Road on Mrinal Tai Gore Flyover is in progress and 5% work is physically completed.

Construction of ROB at Vidyavihar Railway Station and Vikhroli Railway Station are commenced recently.

Reconstruction of Carnac ROB at Lokmanya Tilak Marg, Masjid Bunder shall be commenced after completion of work of Hancock bridge which is under progress.

Work of reconstruction of existing vehicular bridge across Mithi River near Drive-in-Theatre is in progress.

Annexure – III**Storm Water Drains**

Following nalla works were undertaken during 2019-20

- Junction of Fitwala lane and Senapati Bapat Marg to S.L.Matkar Marg and construction of syphon at Fitwala Lane in G/South ward.
- 344 Nos. of portable de-watering pumps in low lying areas were provided at the Cost of ₹32.33 crore.
- Three heavy duty pumps of capacity 1000 m³ /hr were provided at Chamdawadi Nalla, Swadeshi Mill and Mukhyadhyapak Nalla.
- Widening, deepening and construction of Chamdawadi Nalla is in progress.
- New SWPS at Gazdharband has been put to use during monsoon of 2019.
- All 6 SWPS at Haji Ali, Lovegrove, Irla, Britannia, Cleaveland and Gazdharbandh were functioning with their full capacity to discharge rain water speedily during the monsoon 2019.
- Total 43 nos. of pumps are installed at all 6 SWPS with total discharge capacity of 258 m³/sec.
- 2593 protective grills are installed on SWD manholes.

- The remedial works to abate water logging at low lying Hindmata Cinema is being undertaken. The works of construction of 3 m x 1.5 m box drain from Devrukhkar Marg to Madkebuwa Chowk and laying of 1800 mm dia. Pipe drain by micro tunnelling at Lalbaug to Shravan Yashwante Chowk is in progress.
- Training / Widening / Deepening and Reconstruction of nalla at Collector Colony, Behind Vivekanand College, Chembur in M/West Ward is in progress.
- Training / Widening and Construction of Sant Nirankari Nalla from backside of BEST Bus Depot to 90 ft D.P. Road at Shivaji Nagar, in 'M/East' Ward is completed.
- Construction of Jankalyan Nagar Nalla from Atharva College to Shivaji Sankool is completed.
- Reconstruction/widening of Walbhat River at Nagari Niwara, Goregaon (E) is completed.

Annexure – IV**Public Health****Procurement of plant and machinery for upgradation of MCGM Hospital**

- A tender for procurement of 3 MRI machines and 3 CT scans is in process at the cost of approximately ₹40 crore. They will be installed in Sion, KEM and Nair Hospital.
- In Rajawadi Hospital, Ghatkopar new MRI Scan services are proposed on public private partnership (PPP) basis.
- In K.B. Bhabha, Kurla and Pandit Madanmohan Malviya Centenary Hospital, Govandi CT Scan services are proposed under public private partnership (PPP) basis.
- In Sion, a new Cath-lab machine is installed in this year and about 3,000 cardiac procedures are being done per year.
- New 3 DSA machines are already installed in Neuro-Surgery of KEM, Nair and HBTH-Jogeshwari exclusively treating Neurology patients.
- Neuro surgery centres will be upgrade.
- A new DSA machine exclusively treating Neurology Patients has arrived in Sion costing about ₹2 crore.
- Another DSA machine will be installed in Radiology department of Nair Hospital costing almost similar amount.
- Laser Machines for ENT, Ophthalmology, Plastic Surgery and Urology Departments of Sion, KEM, Nair Hospitals are being installed in this year.

- Treatment of varicose veins will be available to the poor patients by Laser technique at a negligible cost.
- A new GAMA Camera required for scanning various organs is being installed in Nair Hospital costing about ₹5 crore Operating Microscopes worth ₹1.5 crore are procured for to Neurosurgery Sion, Plastic Surgery Sion and KEM Hospital. Up gradation of radiation oncology facility is on it's way in B.Y.L. Nair Hospital. This will also incorporate brachytherapy. This will cost ₹25 crore. Similar such facility may be available in Sion Koliwada area under Sion Hospital under CSR Funds.
- To reduce the surgical infection and offering surgical and anesthesia care to the patients intra operatively modular Operation Theaters are planned this year. 9 such theater will come up in K.E.M., 1 in Sion & 6 in Nair. Each Modular OT will cost ₹3 crore, 12 Semi Modular OT's will cost ₹16 crore in Sion. This includes Cladding of the OT by antimicrobial films and other advanced facilities in theatre.
- Purchase of New 30 Ventilators for paediatric and Neonatal age group are proposed in the coming financial year. This will help the Neonatal and paediatric patients. 16 CR (Computerized Radiography) systems, 10 Color-dopplers USG machines are planned to be purchased in 16 Peripheral Hospitals.

Annexure – V**Hydraulic Engineer****Water Distribution Improvement Works:**

For improvement of water distribution the works completed and to be undertaken next year are as follows -

1. Replacement of old water mains / Laying New Water Mains

In 2019-20 we have replaced / laid new 42 Km of pipe lines so far and it is proposed to undertake the works for 68 Km in 2020-21.

2. Repairs & Reconstruction of Valve Chambers: In 2019-20, so far 782 chambers are completed and 1053 chambers are proposed to be undertaken in 2020-21.

3. Renewal of Service Connections: In 2019-20 MCGM has renewed 15789 connections so far and 43800 connections are proposed in 2020-21.

4. Removal of Bunch of Connections: In 2019-20 so far 131 bunch of connections are removed and 129 new locations are proposed in 2020-21.

5. Water Audit: For the assessment of Non- Revenue Water, at Tertiary level 24 Flow Meters have been installed in H/West and T ward and the work of installation of 62 Flow Meters at Primary and Secondary network is in progress.

Annexure - VI**MUMBAI SEWERAGE IMPROVEMENT PROGRAMME
(MSIP)**

Under MSIP, it is planned to lay/upsized sewer lines on existing developed DP roads / Municipal Road of 93.68 Km length, out of which the work of about 4.84 Km (5%) is already completed. At present 82 works (amounting to ₹470.82 crore) covering a length of 47.31 Km (50.50%) are in progress. Further, 14 works (amounting to ₹84.57 crore) covering a length of 6.98 Km (7%) will be commenced shortly.

The action plan for rejuvenation of the Mithi, Dahisar, Poisar and Walbhat / Oshiwara rivers:

Mithi River: The programme for diverting sewage flow from entering into Mithi River is divided in four packages (Short term i.e. Package-I & Long term i.e. Package-II, III & IV); Under Package I, the laying of sewer line of 1.64 Km length is in progress. Under Package II, III & IV, it is proposed to lay sewer line of 10.16 Km length for which the estimation & tendering is in process through consultant appointed by SWD department.

Dahisar River, Poisar River, Walbhat/ Oshiwara River: It is proposed to lay sewer line of 4.42 Km along Dahisar River, 8.67 Km along Poisar River and 4.72 Km along Walbhat/ Oshiwara River. The tendering works of these projects are being undertaken by SWD department.

MSIP also includes providing sewerage facility to Slum dwellers/ Slum areas and small roads below 6 meter width

under “Swachha Bharat – Swachha Maharashtra – Swachha Mumbai Abhiyan”. Under this component, respective wards can propose the sewer line to slum area or on small roads through SWM department. **A total budget provision of ₹320.16 crore is proposed in the year 2020-21 for MSIP works.**

SEWERAGE OPERATION

The work of rehabilitation of 7.5 Km. of non-man entry sewers and 3.5 Km. of man entry sewers is completed so far. The rehabilitation works of 34 Km. of non-man entry & 14 Km. of man-entry sewer lines (Cost ₹202 crore) are in progress and expected to be completed by 2021. Budget provision of ₹57 crore is proposed in 2020-21.

In pursuant to our mission to eliminate 100% human intervention with sewage while carrying out systematic cleaning of sewer lines, we have procured 3 Quick Response Vehicles (QRV) (Cost ₹4.89 crore) for immediate redressal of drainage complaints and have been put into operation. We are also proposing to purchase 7 numbers of Vehicle Mounted Suction and Jetting Machines with Sewage Filtration and Recycling System and 24 Compact Pipe Sewer Cleaning Machines to clean sewer line up to 300 mm dia. A budget provision of ₹48.56 crore is proposed in 2020-21 to procure these machines.

For Sewerage Operation total budget provision of ₹148.23 crore is proposed in the year 2020-21.

ANNEXURE – VII

Revenue Income -

Budget Estimates 'A', 'B', 'E', 'G' & Tree Authority

(₹ in crore)

Sr. No.	Sources of Revenue Income	Budget Estimates 2020-21
1	Grant in aid on account of compensation in lieu of Octroi	9799.15
2	Property Tax	6768.58
3	Receipts from Development Plan Department	3879.51
4	Income from investments	1828.13
5	Water & Sewerage Charges	1535.88
6	Grant-in-Aid from Government	1266.73
7	Supervision Charges	796.11
8	Receipts from Roads & Bridges	436.52
9	Receipts from License Department	221.02
10	Receipts from Hospitals & Medical Colleges	211.36
11	Solid Waste Management	127.83
12	Receipts from Markets & Deonar Abattoir	60.14
13	Other Receipts	1517.34
	Total	28448.30

ANNEXURE – VIII
Revenue Expenditure -
Budget Estimates ‘A’, ‘B’, ‘E’, ‘G’ & Tree Authority

(₹in crore)

Sr. No.	Items of Revenue Expenditure	Budget Estimates 2020-21
1	Establishment Expenses	12606.77
2	Administrative Expenses	999.26
3	Operation and Maintenance	3875.51
4	Interest and Finance Charges	37.04
5	Programme Expenses	220.30
6	Revenue Grants, Contributions and Subsidies	684.99
7	Provisions and write-off	38.11
8	Transfer to Reserve Fund – Other	45.27
9	Refund of taxes	289.49
	Total Revenue Expenditure	18796.74
	Contribution to Capital Account / Fund	9645.04
	Excess of Income over Expenditure	6.52
	Total	28448.30

ANNEXURE –IX**Budget Estimates A, B, E, G, & Tree Authority - Department-wise Summary**

(₹in crore)

Deptt Code	Department	B.E 2020-21		Total
		Rev. Exp.	Cap. Exp.	
18	Information Technology Deptt.	169.69	157.98	327.67
21	Disaster Management Cell	19.54	30.71	50.25
22	Coastal Road Project	7.54	2000.07	2007.61
24	Assessor & Collector Department	481.76	11.76	493.52
30	Education Department	1920.14	367.57	2287.71
31	Solid Waste Management Deptt.	2390.94	899.60	3290.54
32	Transport Department	437.49	26.26	463.75
33	Storm Water Drains Department	426.77	912.10	1338.87
34	Mechanical & Electrical Deptt.	91.39	177.27	268.66
35 & 26	City Engineer's Deptt. & B.M.	394.21	329.98	724.19
37	Development Plan Department	59.10	785.48	844.58
38	Fire Brigade Department	269.15	104.45	373.60
41 & 23	Garden & Zoo Departments	338.55	346.90	685.45
42	Market Department	63.60	201.18	264.78
43	Deonar Abattoir Department	45.72	28.96	74.68
44	Roads & Traffic Department	679.73	1600.00	2279.73
45	Bridges Department	11.79	1099.65	1111.44
46	Printing Press Department	40.12	3.54	43.66
47	Health Department	808.04	178.17	986.21
	Major Hospitals	1069.30	274.00	1343.30
	Medical Colleges	346.38	71.70	418.08
	Specialised Hospitals	186.83	62.47	249.30
	Peripheral Hospitals	594.23	225.20	819.43
93	C.M.S. Peripheral Hospital	12.31	0.32	12.63
72	Dr.R.N. Cooper Municipal General Hospital, Juhu, Vile Parle (W)	138.19	125.73	263.92
90	Hinduridaysamrat Balasaheb Thackray Trauma Care Hosp, Jogeshwari	48.40	8.20	56.60
49	Water Operation Department	1130.67	582.20	1712.87
50	Water Supply Project Department	38.61	1146.65	1185.26
51	Sewerage Operation Department	463.10	148.23	611.33
52	Sewerage Project Department	26.34	320.16	346.50
53	Mumbai Sewerage Disposal Project	21.15	402.55	423.70
	Financial Grant in aid to BEST	1500.00	1500.00
	Other Departments	6065.96	508.72	6574.68
	Total	18796.74	14637.76	33434.50

ANNEXURE – X
Capital Accounts -
Budget Estimates A, B, E, G & Tree Authority

(₹in crore)

Sr. No.	Particulars	B.E. 2020-21
	CAPITAL RECEIPTS	
1	Grants	
	Grant For Brimstowad Projects	200.00
	Grant For JNNURM (Projects)	22.35
	Total : 1	222.35
2	Other Receipts	
	One time premium for MRI facility – non taxable	0.39
	Capital contributions from Private Parties	3.00
	Total : 2	3.39
3	Sale proceeds/ premium of land and building	386.21
4	Withdrawal from Special Fund/Reserve Fund	
	Assets Replacement Fund	2998.85
	Land Acquisition and Development Fund	700.00
	Primary School Building Maintenance Fund	368.57
	Primary School Building Construction Fund	4.10
	Infrastructure Development Fund on a/c of fungible compensatory FSI (FCFSI)	1324.25
	Total : 4	5395.77
5	Withdrawal from Accumulated Surplus (Tree Authority)	4.35
	Total : 5	4.35
6	Total : 4 to 5	5400.12
7	Transfer To General Reserve	
	Transfer to Development Fund Fees/ Compensation received under DCR - 64(b)	86.28
	Transfer to General Reserve Fund 21	335.95
	Transfer to General Reserve Budget G	0.85
	Transfer to Asset Replacement Fund	596.27
	Total : 7	1019.35
8	Net Withdrawal from Special Fund/ Reserve Fund (5-6)	4380.77
9	Net Capital Reserve (Total : 1 , 2, 3 & 8)	4992.72

Annexure - XI
Revenue Account -
Budget Estimates A, B, E, G and Tree Authority

(₹ in crore)

Fund Code	Particulars	Budget Estimates 2020-21
REVENUE INCOME		
11	General Budget	19997.25
12	Health Budget	288.45
21	Improvement Schemes	250.63
22	Slum Clearance	1.87
23	Slum Improvement	44.63
30	Education Budget	1789.73
40	Water Supply and Sewerage	6011.93
50	Tree Authority	63.81
60	Provident Fund	...
70	Pension Fund	...
	Net Income	28448.30
REVENUE EXPENDITURE		
11	General Budget	★ 6780.75
12	Health Budget	3211.27
21	Improvement Schemes	167.35
22	Slum Clearance	6.97
23	Slum Improvement	159.59
30	Education Budget	1726.75
40	Water Supply and Sewerage	2289.73
50	Tree Authority	76.74
60	Provident Fund	7.10
70	Pension Fund	4370.49
	Net Expenditure	18796.74
Revenue Surplus during the year		9651.56

★ Net of transfer to other Budget.

Annexure – XI (Contd.....)
Capital Account
Budget Estimates A, B, E, G & Tree Authority

(₹ in crore)

Fund Code	Particulars	Budget Estimates 2020-21
Capital Receipts		
	Grants	222.35
	Sale Proceeds/Premium of Land & Building (Budget B)	386.21
	Net Withdrawal from Special fund / Reserve Fund	4380.77
	Other	3.39
	Total	4992.72
Capital Expenditure		
11	General Budget	10073.07
12	Health Budget	1049.07
21	Improvement Schemes	94.57
23	Slum Improvement	411.84
30	Education Budget	403.46
40	Water Supply and Sewerage	2601.40
50	Tree Authority	4.35
	Total	14637.76
	Net Revenue Income + Net Capital Receipt	33441.02
	Net Revenue Expenditure + Net Capital Expenditure	33434.50
	Surplus During the year	6.52

Annexure – XII
Details of Other Special Funds

(₹ in crore)

Sr. No	Particulars	Amount
1	Municipal Fire & Accident Insurance Fund	159.61
2	Fire Brigade Employee Operational Fund	12.04
3	Research Fund (KEM & GSM Hospitals)	1.71
4	Land Reclamation & Acquisition Fund	43.60
5	Fidelity Guarantee Insurance Fund	1.72
6.	Investment Reserve Fund	56.11
7.	Contingent Fund	1242.97
8.	Net Premia Fund	0.18
9.	Hospital Fund	0.23
10.	Motor Vehicle 3 rd Party Insurance	0.17
11.	Endowment Fund	0.37
12.	Mechanically Properly Vehicles 3 rd Party Insurance Fund	0.06
13.	Tax Payers Welfare Fund	73.22
14.	Public Monuments Maintenance Fund	0.01
15.	Trust Funds	48.06
16.	Special -Tree Authority Fund	374.21
	Total	2014.27

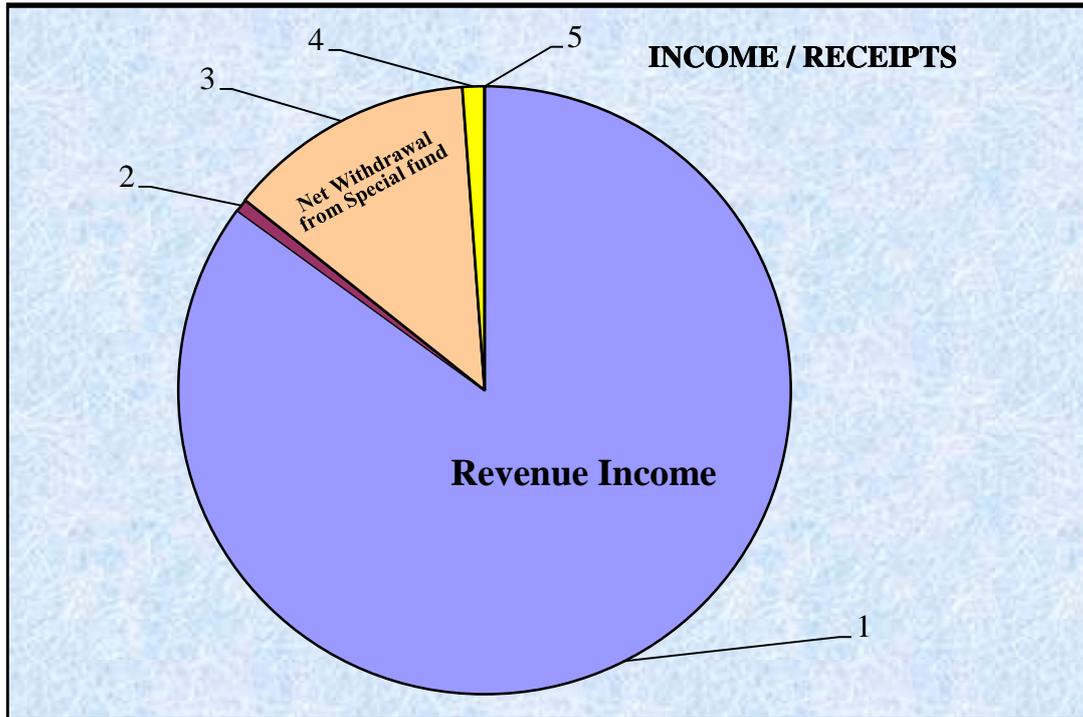
Graphical Information

**OVERALL FINANCIAL POSITION
BUDGET ESTIMATES
A,B,E,G & TREE AUTHORITY**

(FUND CODE-11,12,21,22,23,30,40,50,60&70)

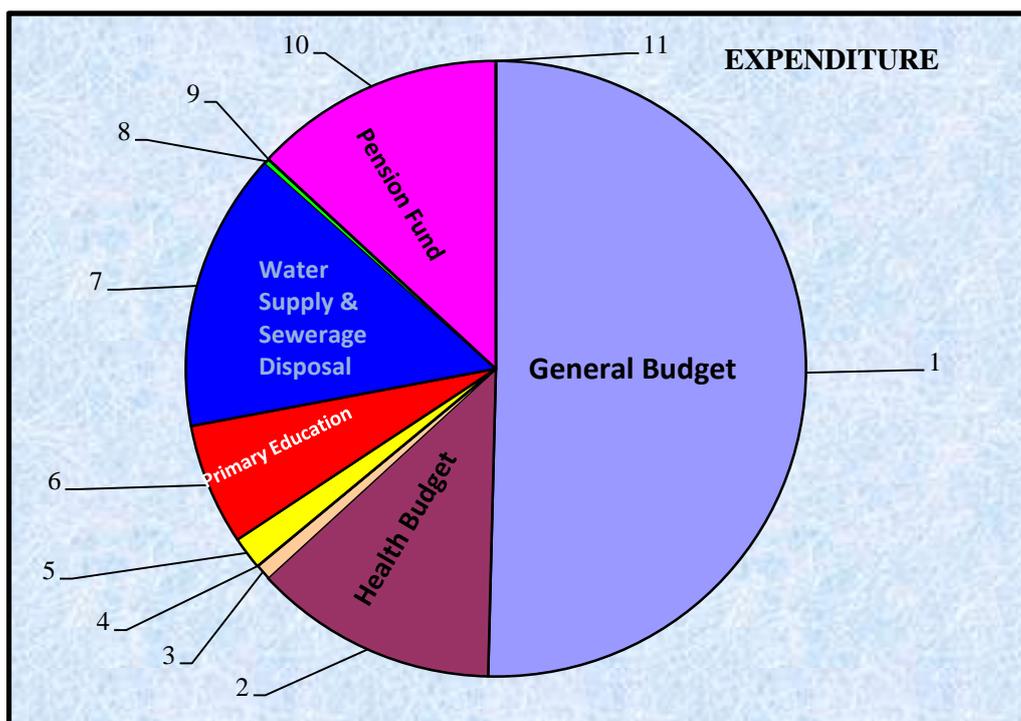
MCGM Revenue Sources

SIZE OF BUDGET ESTIMATES 'A','B', 'E', 'G' AND TREE AUTHORITY



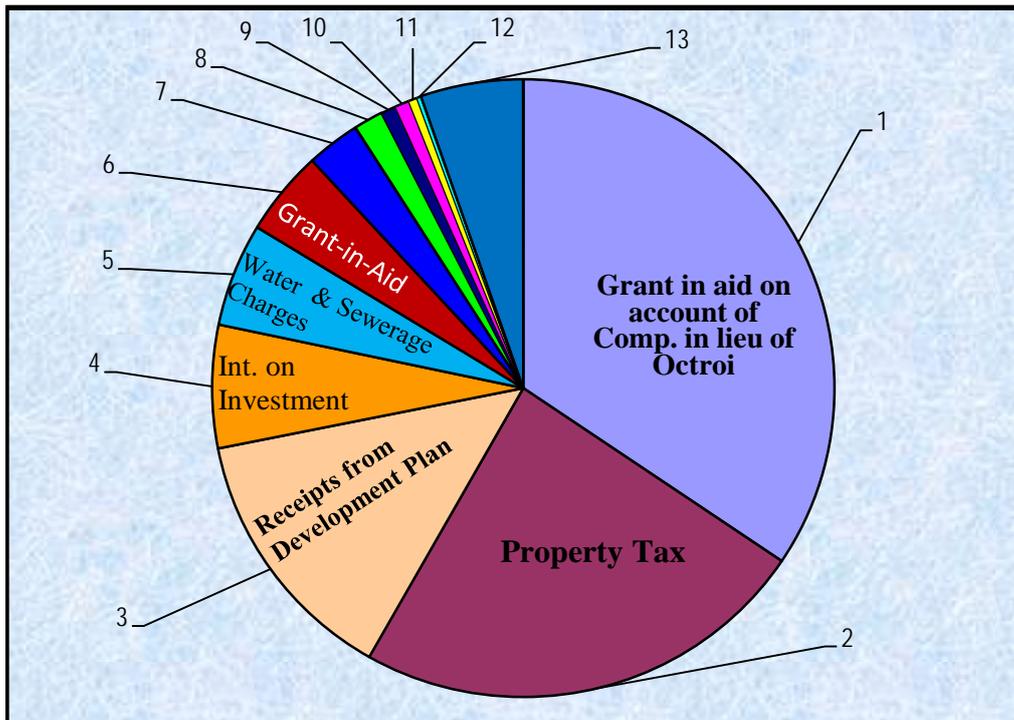
Sr. No.	Sources of Income/Receipts	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	■ Revenue Income	28448.30	85
2	■ Grants	222.35	1
3	■ Net Withdrawal from Special fund / Reserve Fund	4380.77	13
4	■ Sale Proceeds/Premium of Land & Building (Budget B)	386.21	1
5	■ Other Receipts	3.39	...
	Total	33441.02	100

SIZE OF BUDGET ESTIMATES 'A','B', 'E', 'G' AND TREE AUTHORITY



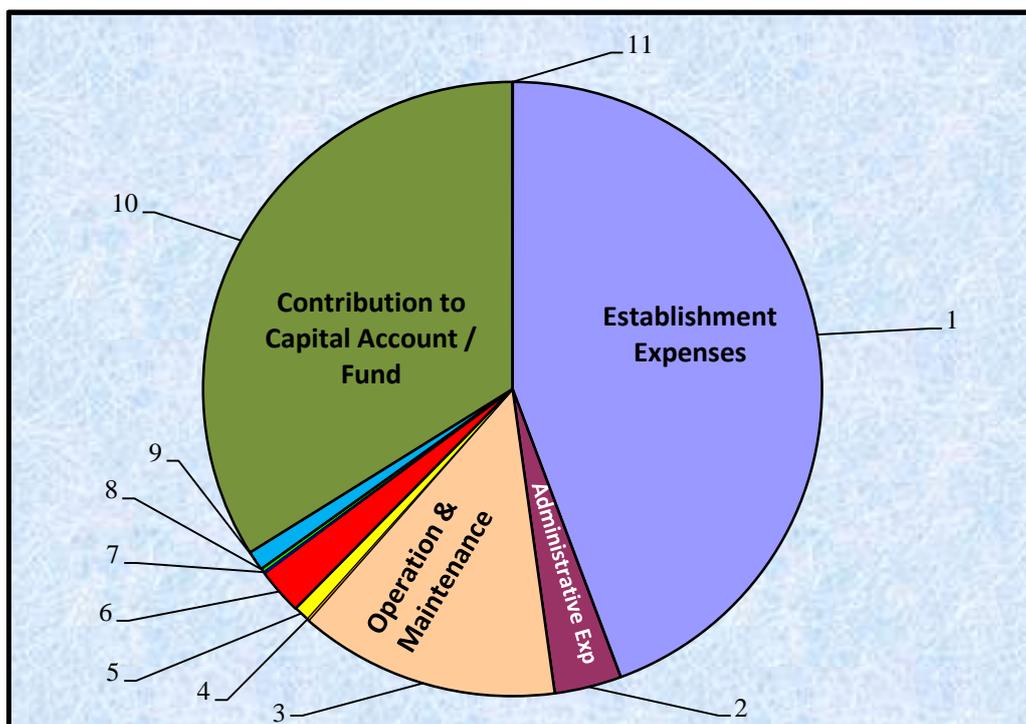
Sr.No.	Items of Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	General Budget	16853.82	50
2	Health Budget	4260.34	13
3	Improvement Schemes	261.92	1
4	Slum Clearance	6.97	...
5	Slum Improvement	571.43	2
6	Education Fund	2130.21	6
7	Water Supply & Sewerage Disposal	4891.13	15
8	Tree Authority	81.09	...
9	Provident Fund	7.10	...
10	Pension Fund	4370.49	13
11	Excess of Income over expenditure	6.52	...
	Total	33441.02	100

REVENUE INCOME-BUDGET ESTIMATES 'A', 'B', 'E', 'G' AND TREE AUTHORITY



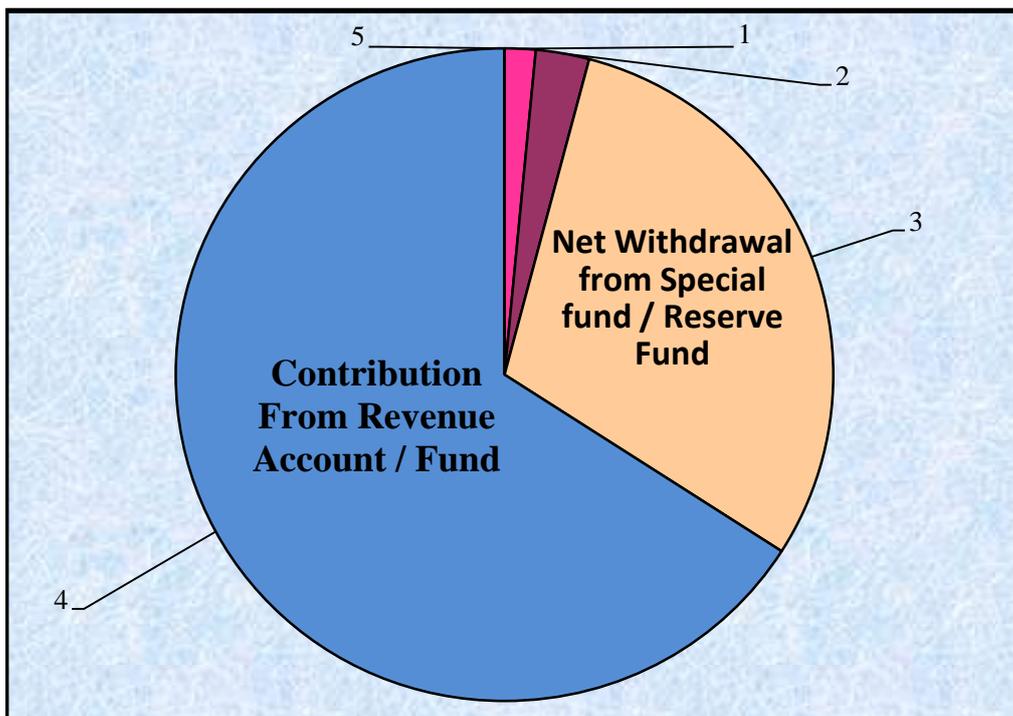
Sr.No.	Sources of Revenue Income	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Grant in aid on account of Compensation in lieu of Octroi	9799.15	34
2	Property Tax	6768.58	24
3	Receipts from Development Plan Department	3879.51	14
4	Interest on Investment	1828.13	6
5	Water & Sewerage Charges	1535.88	5
6	Grant-in-Aid from Government	1266.73	4
7	Supervision Charges	796.11	3
8	Receipts from Roads & Bridges	436.52	3
9	Receipts from License Department	221.02	1
10	Receipts from Hospitals & Medical Colleges	211.36	1
11	Solid Waste Management	127.83	...
12	Receipts from Markets & Deonar Abattoir	60.14	...
13	Other Receipts	1517.34	5
	Total	28448.30	100

REVENUE EXPENDITURE -BUDGET ESTIMATES 'A','B', 'E', 'G' AND TREE AUTHORITY



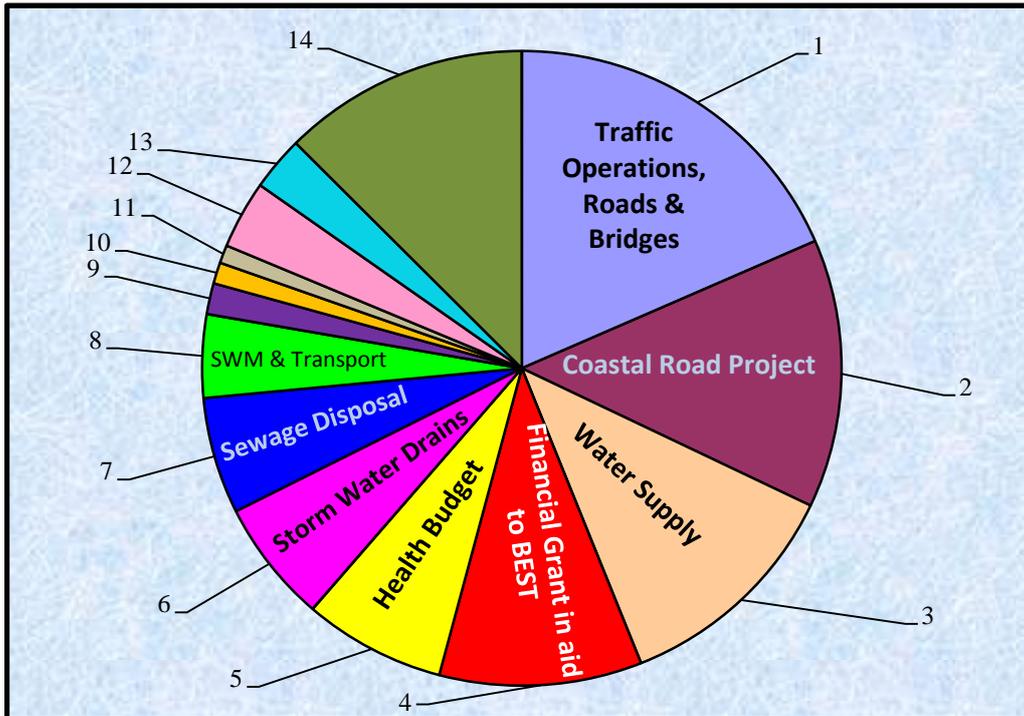
Sr. No.	Items of Revenue Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Establishment Expenses	12606.77	44
2	Administrative Expenses	999.26	4
3	Operation & Maintenance	3875.51	14
4	Interest and Finance Charges	37.04	...
5	Programme Expenses	220.30	1
6	Revenue Grants, Contributions and Subsidies	684.99	2
7	Provisions and Write-off	38.11	...
8	Other Expenses	45.27	...
9	Refund of Property Taxes	289.49	1
10	Contribution to Capital Account / Fund	9645.04	34
11	Excess of Income over Expenditure	6.52	...
	Total	28448.30	100

CAPITAL RECEIPTS -BUDGET ESTIMATES 'A','B', 'E', 'G' AND TREE AUTHORITY



Sr.No.	Sources of Capital Receipts	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in crore)	
1	Grants	222.35	2
2	Sale Proceeds/Premium of Land & Building (Budget B)	386.21	3
3	Net Withdrawal from Special fund / Reserve Fund	4380.77	29
4	Contribution From Revenue Account / Fund	9645.04	66
5	Other Receipts	3.39	...
	Total	14637.76	100

CAPITAL EXPENDITURE -BUDGET ESTIMATES 'A','B', 'E', 'G' AND TREE AUTHORITY

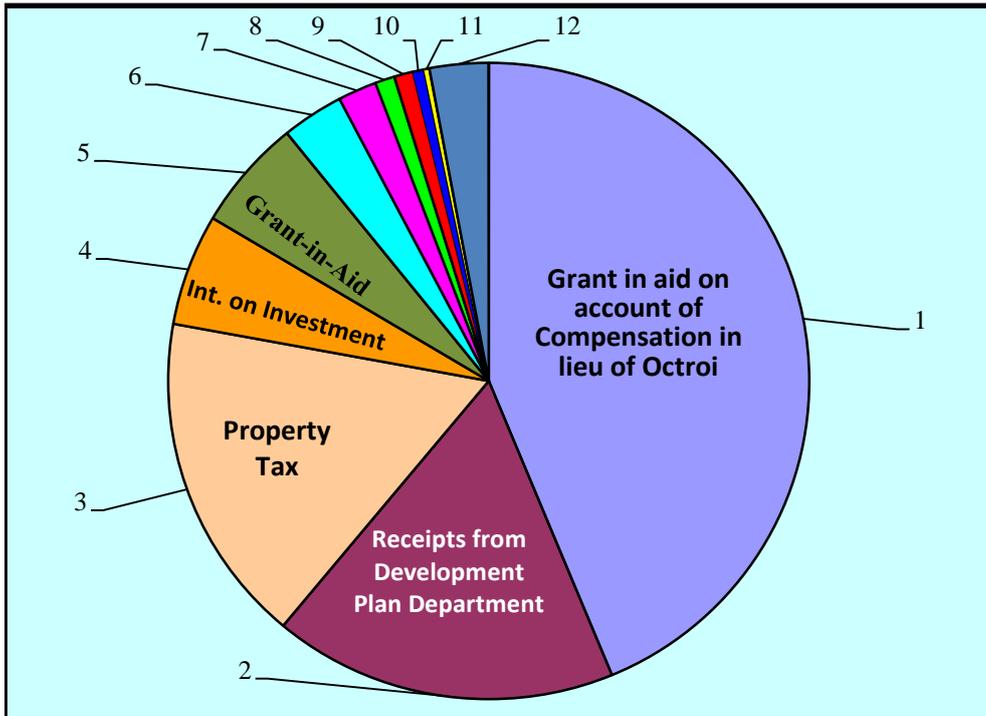


Sr. No.	Items of Capital Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Traffic Operations, Roads & Bridges	2699.65	18
2	Coastal Road Project	2000.07	14
3	Water Supply	1728.85	12
4	Financial Grant in aid to BEST	1500.00	10
5	Health Budget	1049.07	7
6	Storm Water Drains	912.10	6
7	Sewage Disposal	870.94	6
8	Solid Waste Management & Transport	619.05	4
9	Market & Deonar Abattoir	230.14	2
10	Information Technology	157.98	1
11	Fire Brigade & Disaster Management	135.16	1
12	Repairs to Mun.Properties & Slum Improvement (Budget-B)	506.41	4
13	Repairs to Primary School Buildings (Budget E)	403.46	3
14	Others	1824.88	12
	Total	14637.76	100

**FINANCIAL POSITION
BUDGET ESTIMATES
A, B & E**

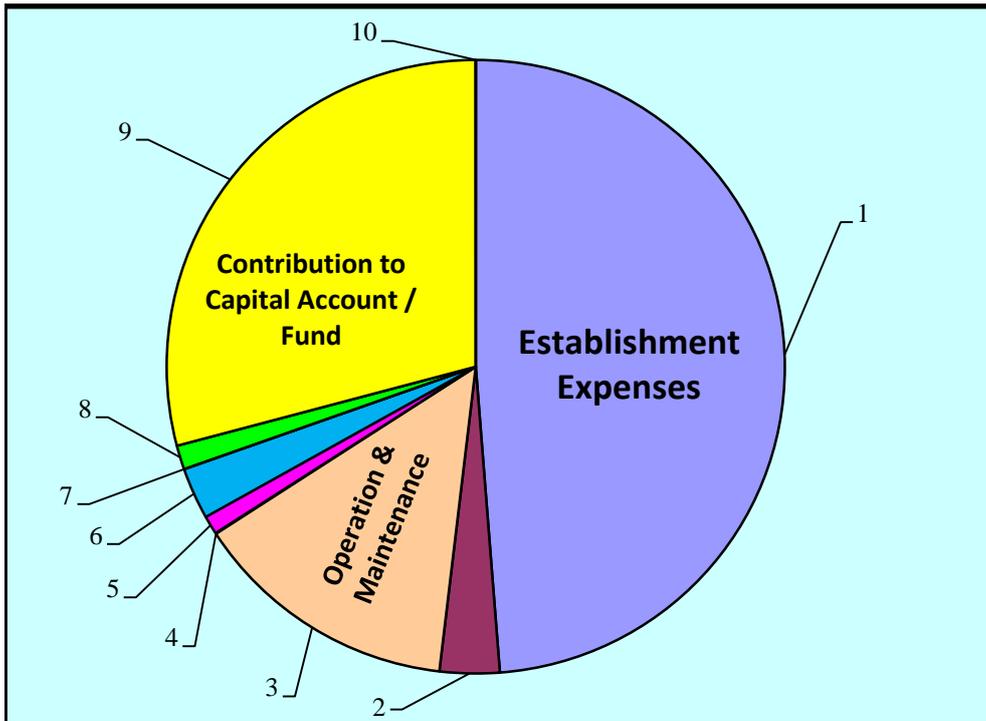
(FUND CODE-11,12,21,22,23,30,60& 70)

REVENUE INCOME-BUDGET ESTIMATES 'A','B' & 'E'



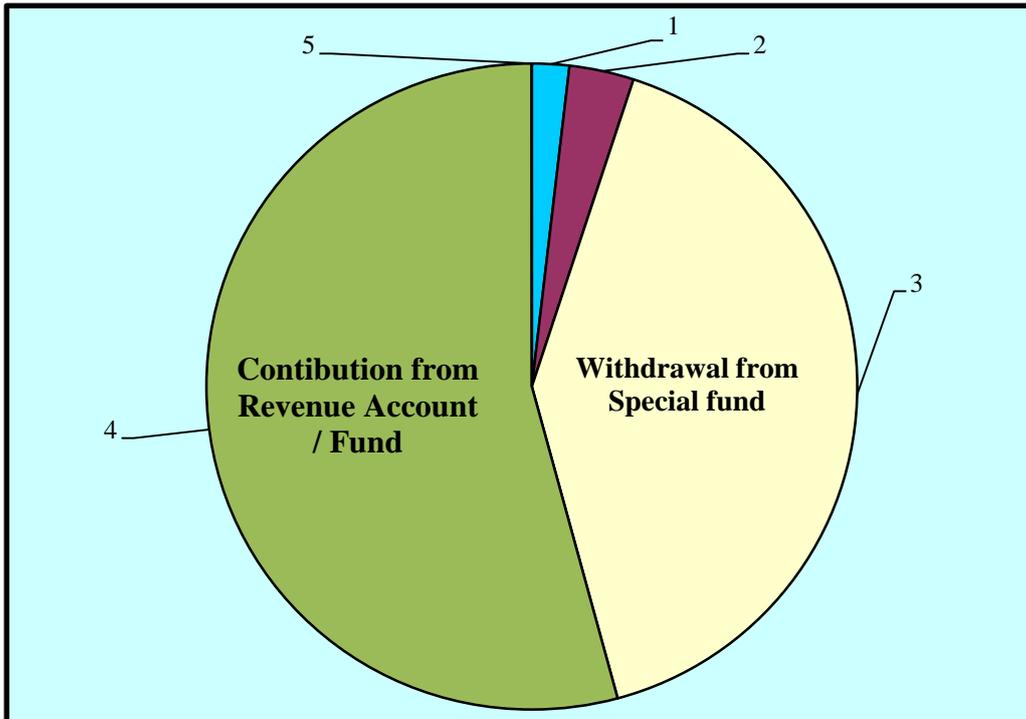
Sr.No.	Sources of Revenue Income	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Grant in aid on account of Compensation in lieu of Octroi	9799.15	44
2	Receipts from Development Plan Department	3879.51	17
3	Property Tax	3767.71	17
4	Interest on Investment	1266.79	6
5	Grant-in-Aid from Government	1266.73	6
6	Supervision Charges	700.00	3
7	Receipts from Roads & Bridges	436.52	1
8	Receipts from License Department	221.02	1
9	Receipts from Hospitals & Medical Colleges	211.36	1
10	Solid Waste Management	127.83	1
11	Receipts from Markets & Deonar Abattoir	60.14	...
12	Other Receipts	665.80	3
	Total	22402.56	100

REVENUE EXPENDITURE-BUDGET ESTIMATES 'A','B' & 'E'



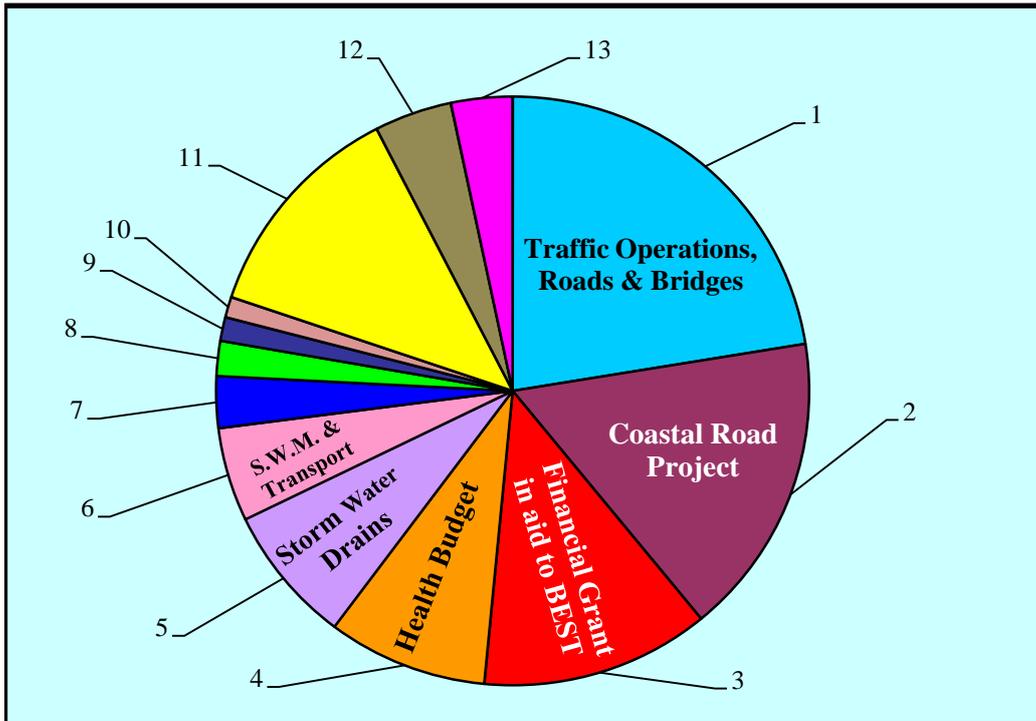
Sr. No.	Items of Revenue Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Establishment Expenses	10920.05	49
2	Administrative Expenses	703.63	3
3	Operation & Maintenance	3129.95	14
4	Interest and Finance Charges	8.68	...
5	Programme Expenses	217.14	1
6	Revenue Grants, Contributions and Subsidies	607.22	3
7	Other Expenses	3.05	...
8	Refund of Property Taxes	285.15	1
9	Contribution to Capital Account / Fund	6526.49	29
10	Excess of Income over Expenditure	1.20	...
	Total	22402.56	100

CAPITAL RECEIPTS - BUDGET ESTIMATES 'A','B' & 'E'

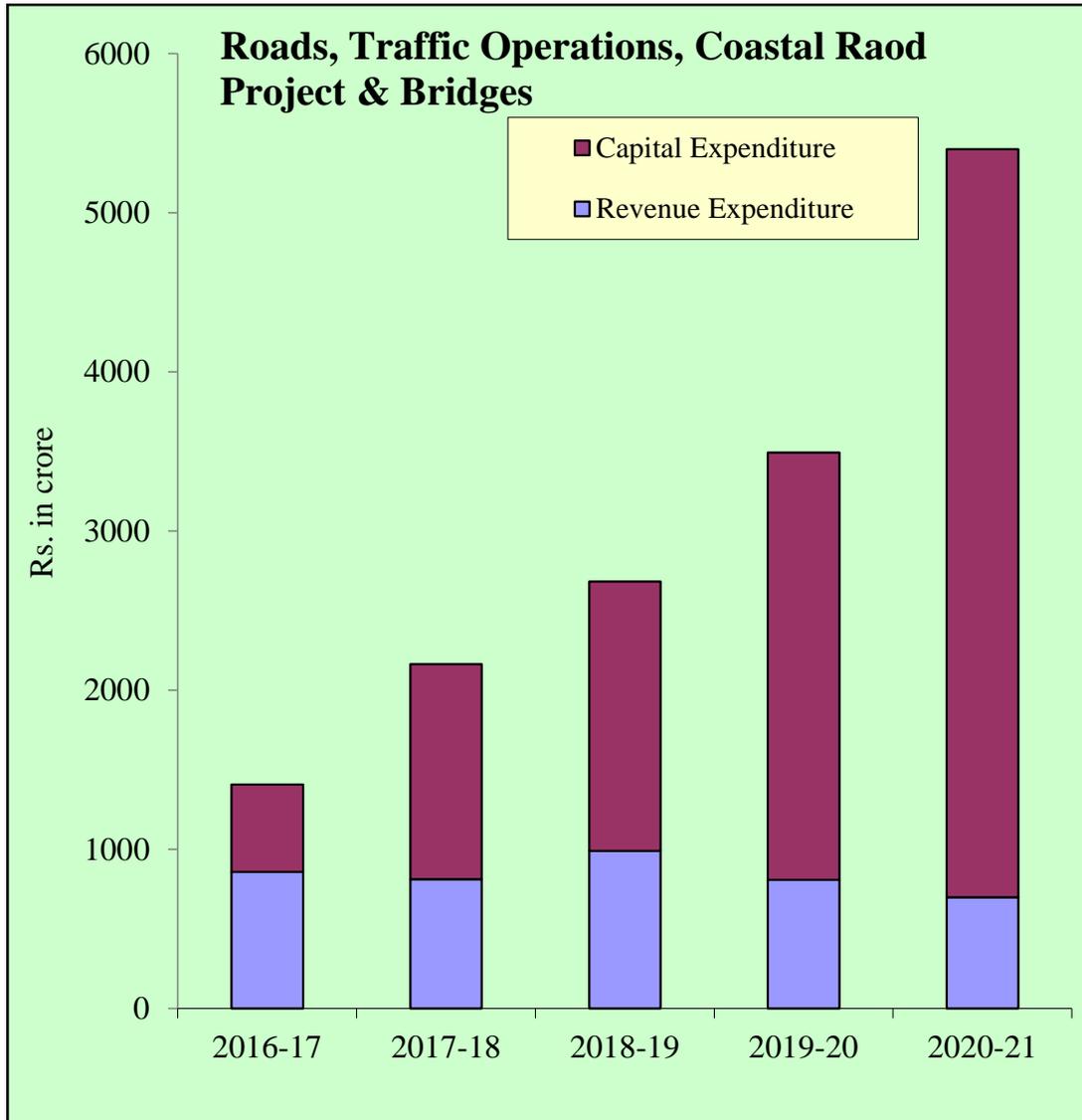


Sr. No.	Sources of Capital Receipts	Budget Estimates 2020-2021	Share in Rupee
		(Rs. in Crore)	
1	Grants	222.35	2
2	Sale Proceeds/Premium of Land & Building (Budget B)	386.21	3
3	Net Withdrawal from Special fund / Reserve Fund	4896.57	41
4	Contribution from Revenue Account / Fund	6526.49	54
5	Other Receipts	0.39	...
	Total	12032.01	100

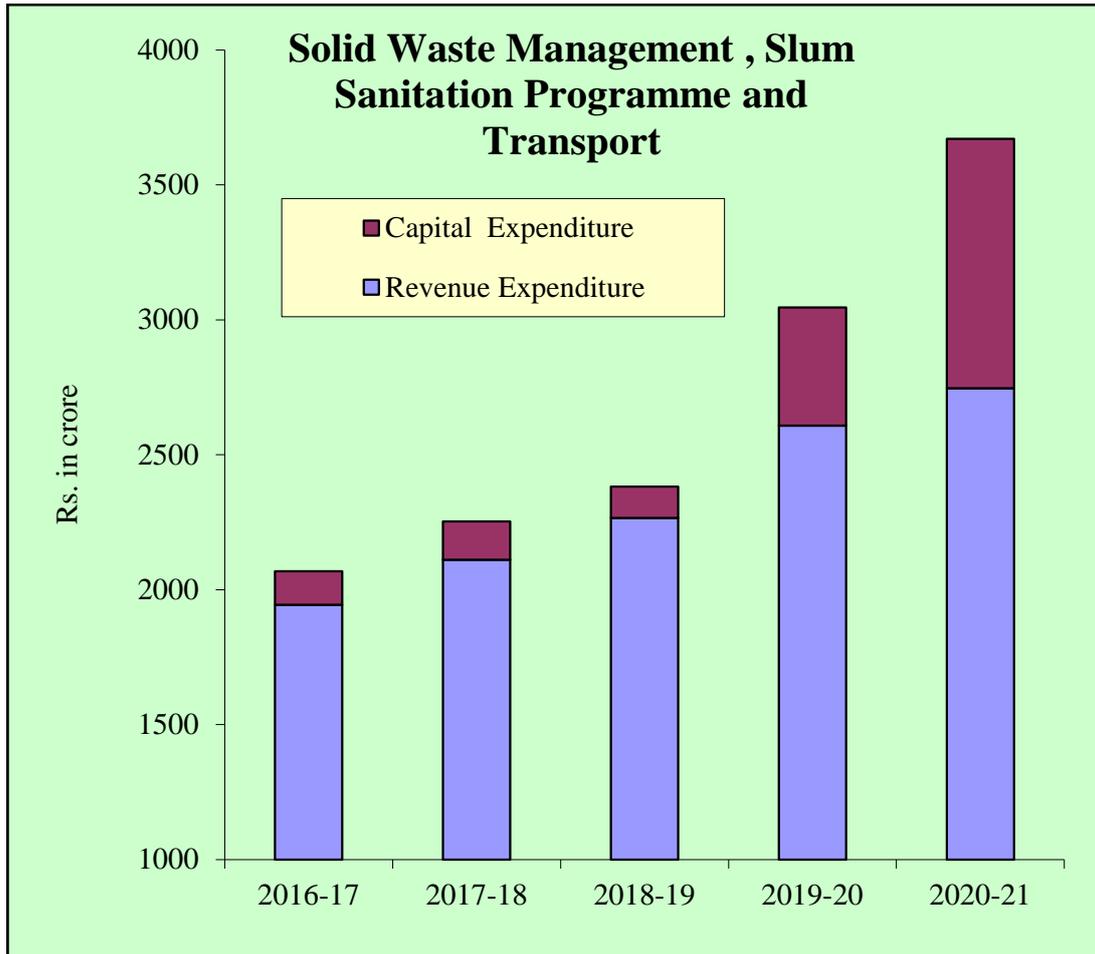
CAPITAL EXPENDITURE - BUDGET ESTIMATES 'A', 'B' & 'E'



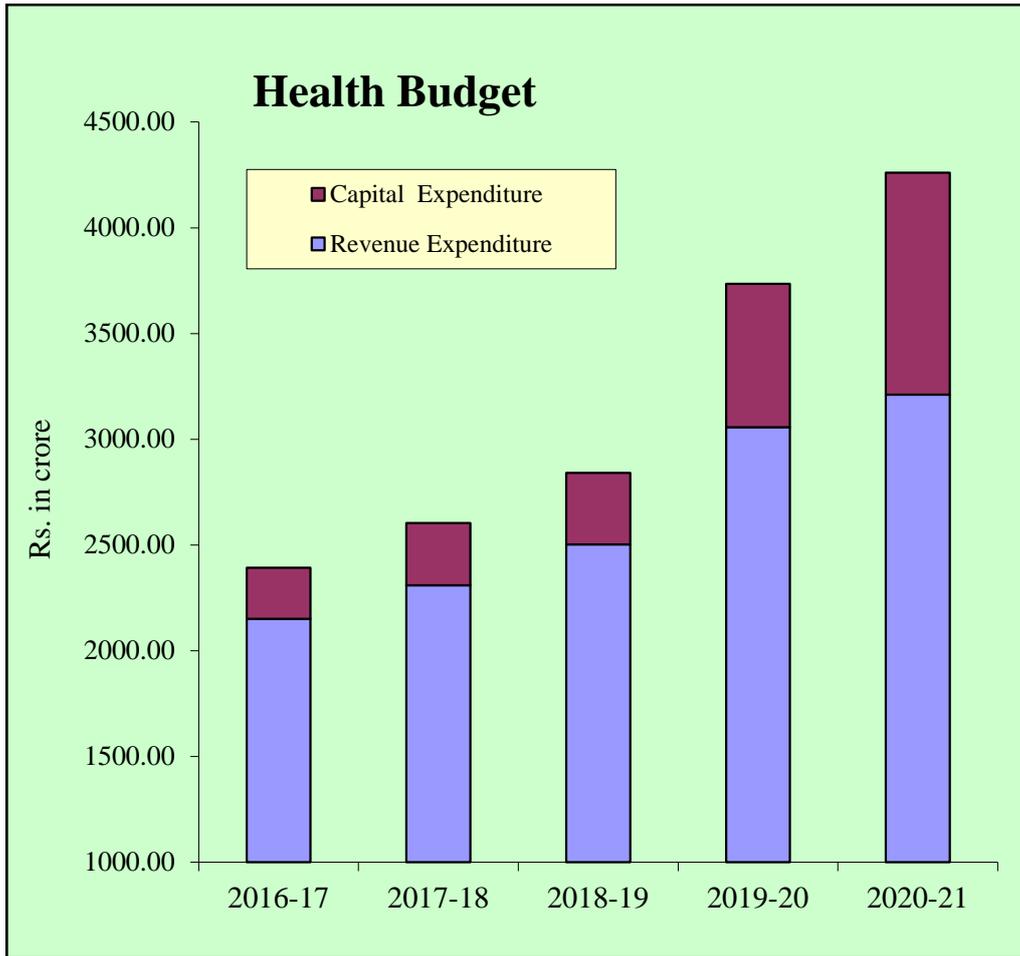
Sr. No.	Items of Capital Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Traffic Operations, Roads & Bridges	2699.65	23
2	Coastal Road Project	2000.07	17
3	Financial Grant in aid to BEST	1500.00	12
4	Health Budget	1049.07	9
5	Storm Water Drains	912.10	8
6	S.W.M. and Transport	617.80	5
7	Gardens,Zoo,Swimming Pools & Theatres	342.55	3
8	Markets & Deonar Abattoir	230.14	2
9	Information Technology Department	157.98	1
10	Fire Brigade Services & Disaster Management	135.16	1
11	Others (Budget A)	1477.62	12
12	Repairs to Municipal properties & Slum Improvement (Budget B)	506.41	4
13	Repairs to Primary School Buildings (Budget E)	403.46	3
	Total	12032.01	100



(Rs.in crore)					
Particulars	Actuals			R. E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Expenditure	857.93	812.56	990.00	808.53	699.06
Capital Expenditure	548.53	1350.19	1692.04	2684.69	4699.72
Total	1406.46	2162.75	2682.04	3493.22	5398.78

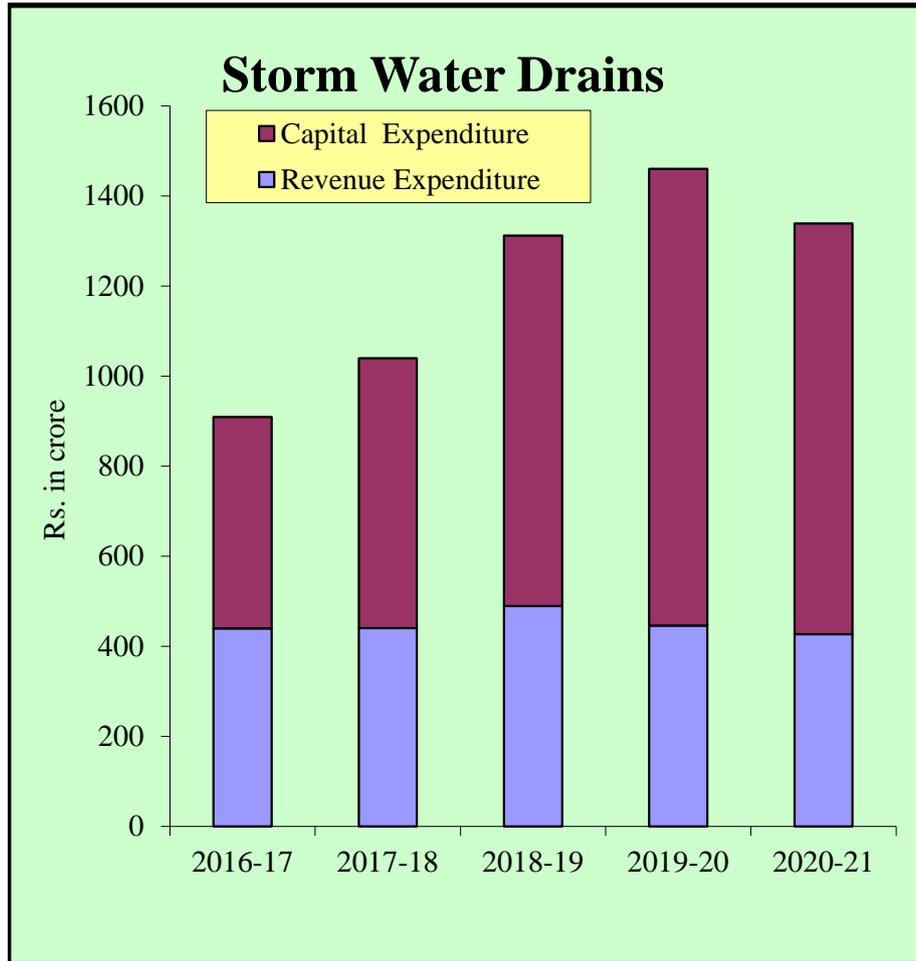


(Rs.in crore)					
Particulars	Actuals			R.E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Expenditure	1944.35	2110.46	2265.46	2608.01	2746.30
Capital Expenditure	124.40	142.18	116.96	437.87	924.61
Toal	2068.75	2252.64	2382.42	3045.88	3670.91

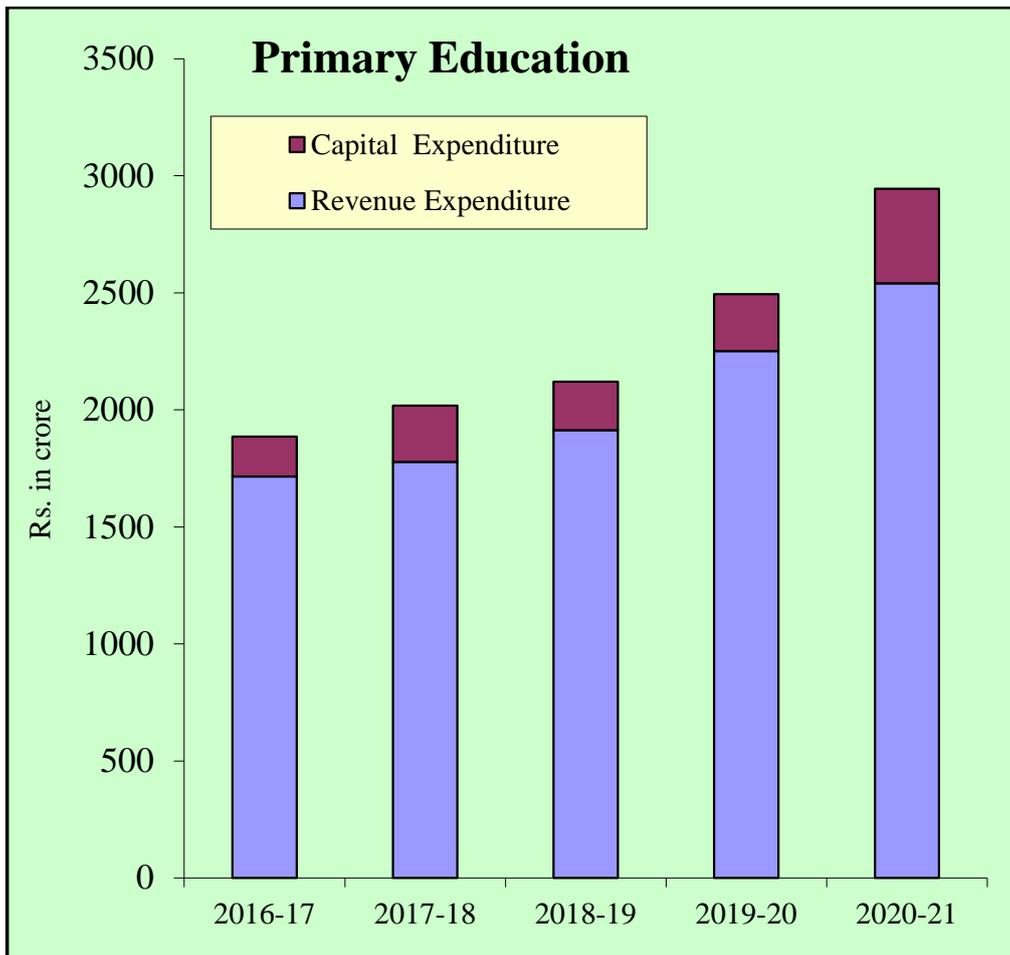


(Rs.in crore)

Particulars	Actuals			R.E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Expenditure	2150.50	2309.15	2502.05	3057.40	3211.27
Capital Expenditure	241.79	293.99	339.43	677.61	1049.07
Total	2392.29	2603.14	2841.48	3735.01	4260.34

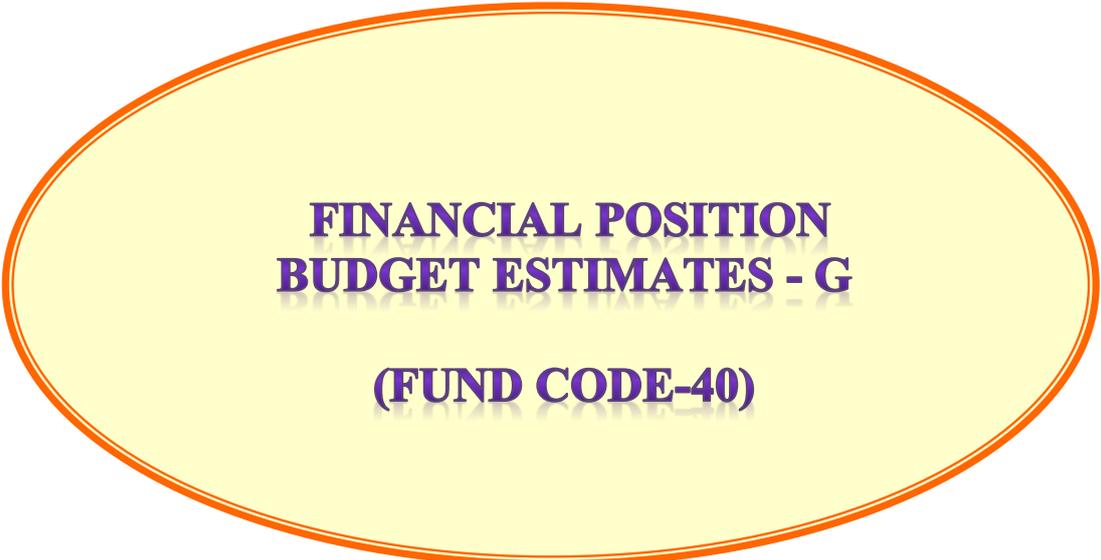


(Rs.in crore)					
Particulars	Actuals			R.E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Expenditure	439.96	440.77	489.39	446.47	426.77
Capital Expenditure	468.98	598.97	822.33	1013.37	912.10
Total	908.94	1039.74	1311.72	1459.84	1338.87



(Rs.in crore)

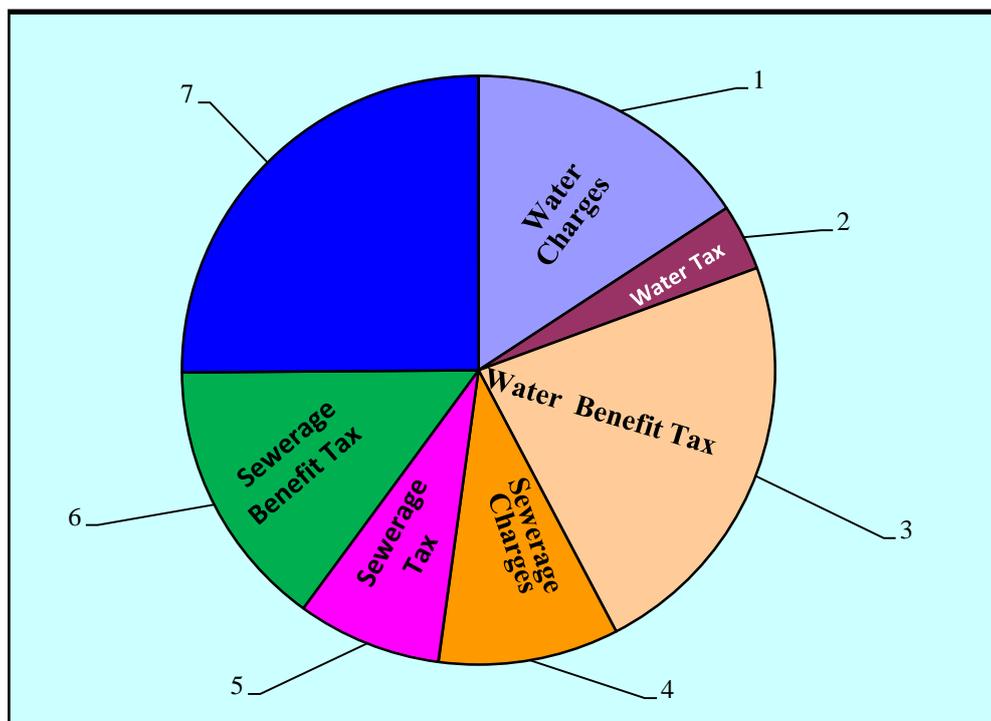
Particulars	Actuals			R.E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Expenditure	1715.05	1778.06	1913.58	2251.92	2541.13
Capital Expenditure	170.43	239.45	206.34	242.75	403.46
Total	1885.48	2017.51	2119.92	2494.67	2944.59



**FINANCIAL POSITION
BUDGET ESTIMATES - G**

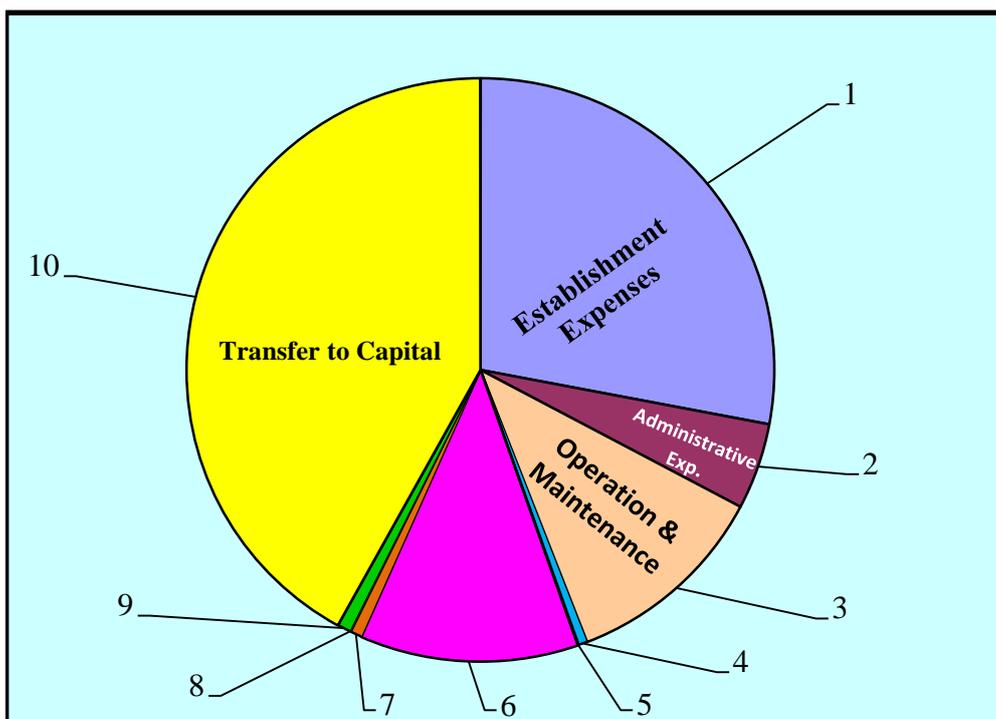
(FUND CODE-40)

REVENUE INCOME - BUDGET 'G'



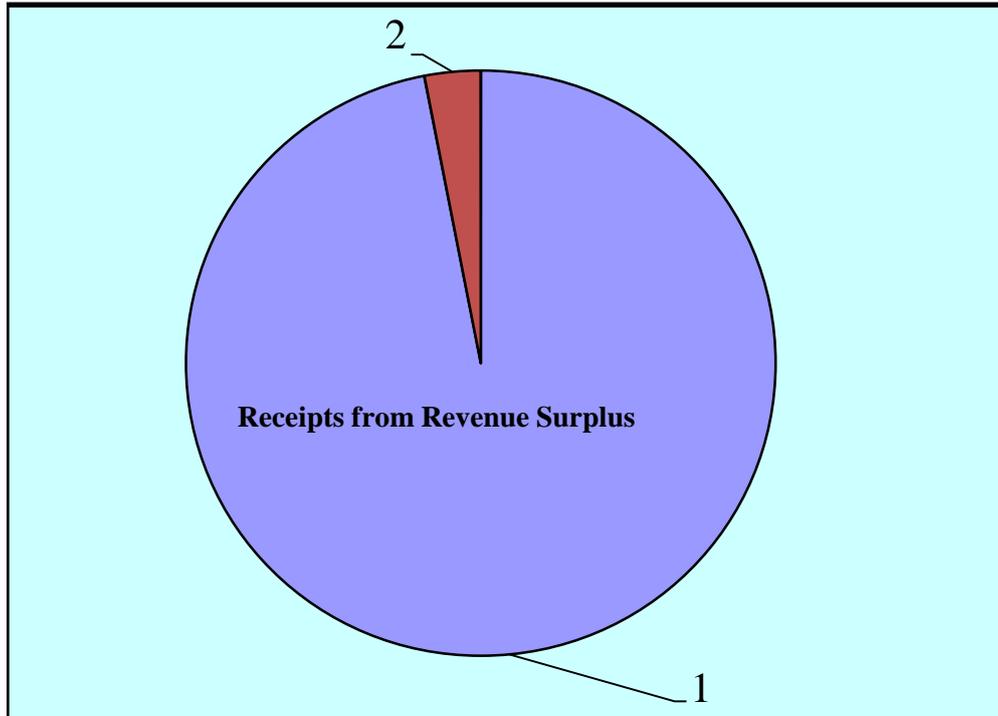
Sr. No.	Sources of Revenue Income	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in crore)	
1	Water Charges	945.10	16
2	Water Tax	218.21	3
3	Water Benefit Tax	1382.23	23
4	Sewerage Charges	590.78	10
5	Sewerage Tax	473.02	8
6	Sewerage Benefit Tax	892.76	15
7	Other Revenue	1509.83	25
	Total	6011.93	100

REVENUE EXPENDITURE - BUDGET 'G'



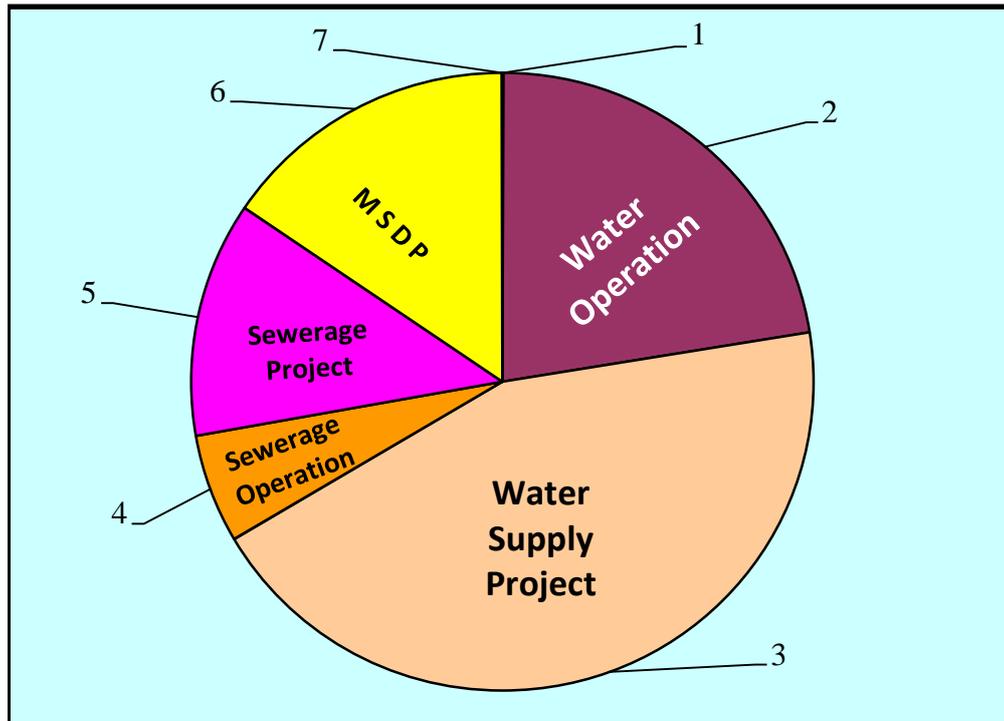
Sr. No.	Items of Revenue Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in Crore)	
1	Establishment Expenses	1682.57	28
2	Administrative Expenses	287.31	5
3	Operation & Maintenance	681.71	11
4	Interest and Finance Charges	28.29	...
5	Programme Expenses	3.16	...
6	Revenue Grants, Contributions and Subsidies	722.28	12
7	Provisions and Write-off	37.76	1
8	Prior period Expenses	4.34	...
9	Transfer to Reserve Fund	42.22	1
10	Transfer to Capital A/c	2522.29	42
	Total	6011.93	100

CAPITAL RECEIPTS - BUDGET 'G'

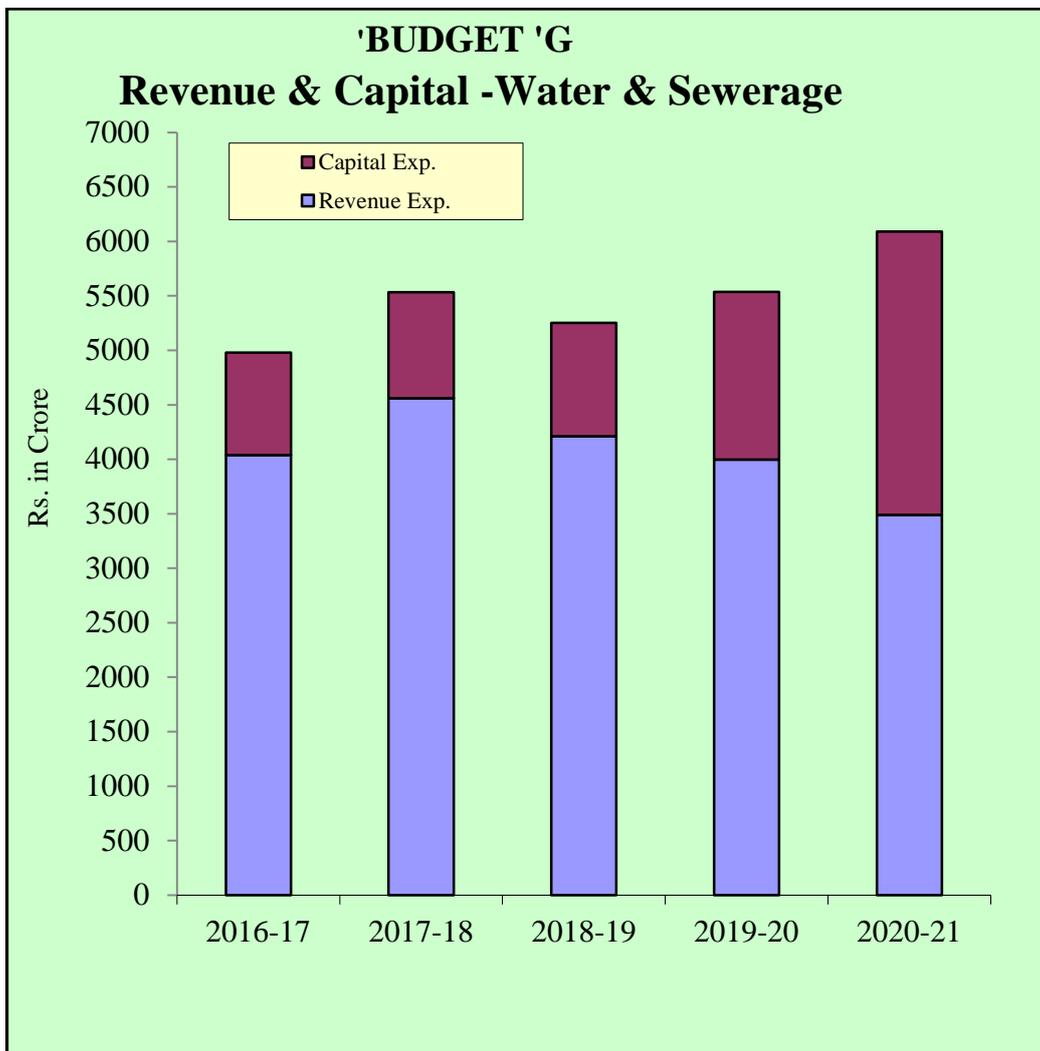


Sr. No.	Sources of Capital Receipts	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in crore)	
1	Receipts from Revenue Surplus	2522.29	97
2	Contribution/Grant	79.97	3
	Total	2602.26	100

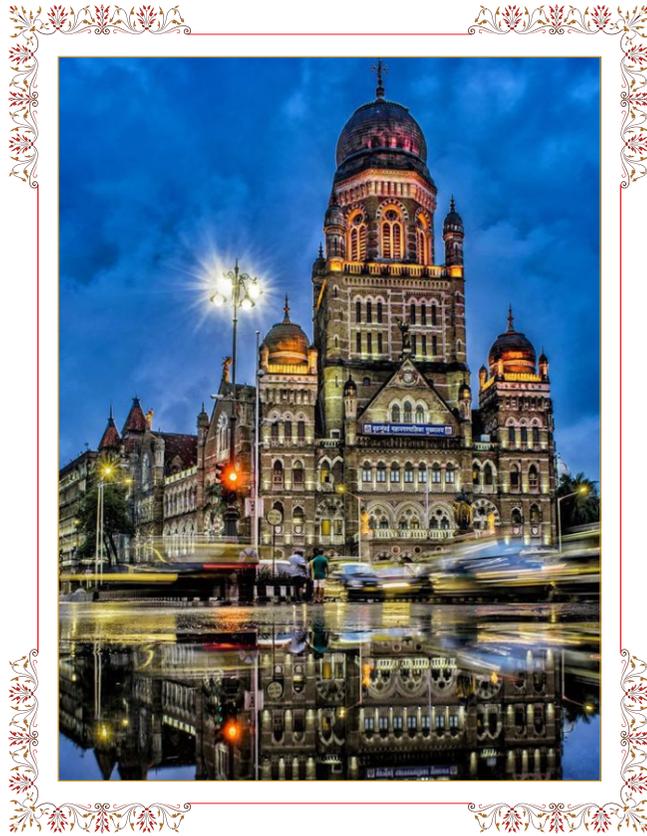
CAPITAL EXPENDITURE - BUDGET 'G'



Sr. No.	Department wise Capital Expenditure	Budget Estimates 2020-2021	Share in Rupee
		(Rs.in crore)	
1	Common Services	1.62	...
2	Water Operation	582.20	22
3	Water Supply Project	1146.65	44
4	Sewerage Operation	148.23	6
5	Sewerage Project	320.15	12
6	M S D P	402.55	16
7	Anticipated surplus during the year	0.86	...
	Total	2602.26	100



(Rs. in Crore)					
Particulars	Actuals			R.E.	B.E.
	2016-17	2017-18	2018-19	2019-20	2020-21
Revenue Exp.	4038.40	4559.45	4211.77	3996.56	3489.64
Capital Exp.	941.85	973.64	1039.55	1539.14	2601.40
Total	4980.25	5533.09	5251.32	5535.70	6091.04



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