

MUNICIPAL CORPORATION OF GREATER MUMBAI

RIGHT TO INFORMATION ACT SECTION Clause (4) (b) (i) Chapter II

Year 2024-2025

Manual No.1

INTRODUCTION

The Sewerage System of Mumbai is in existence for more than 130 years. The present system consists of collection, conveyance, treatment and disposal of sewage with 2,026 k.m. of sewer line, 74,682 Manholes, 40 Satellite Pumping Stations, 7 Terminal Pumping Stations and 07 Waste Water Treatment Facilities (WwTF). There are seven sewerage zones viz. Colaba, Worli, Bandra, Versova, Malad, Bhandup and Ghatkopar. At Colaba the sewage is treated upto secondary treatment and released into the deep sea through marine outfall. There is a facility of tertiary treatment at Colaba, Worli and Bandra sewerage zones are provided with Preliminary Waste Water treatment facility and effluent is discharged into deep sea through marine outfall. Versova, Bhandup and Ghatkopar sewerage zones are provided with preliminary treatment facilities and aerated lagoons and the treated effluent is discharged into creek. At Malad the effluent is discharged into the Malad creek after preliminary treatment.

As a part of upgradation of WwTFs, the new Colaba WwTF having capacity of 37 MLD is commissioned in April 2020 and put into operation. At present, 10 MLD of treated waste water is available at Colaba WwTF for reuse.

Worli (500 MLD), Bandra (360 MLD), Dharavi (418 MLD), Versova (180 MLD), Bhandup (215 MLD), Ghatkopar (337 MLD) and Malad (454 MLD) WwTFs will have Preliminary Treatment, Secondary Biological Treatment and Disinfection Facilities. 50% of total plant capacity will have treatment upto tertiary level for reuse purpose. All the Works have been started and are in Progress. In January 2023, 8 MLD Sewage Treatment Plant under Mithi River Package-1 is Commissioned and Operation & Maintenance of the same is started.

Besides this, following works are also in progress -

1. Versova Sewer Tunnel :- The work of sewer tunnel of 2000 mm dia from existing Versova Pumping Station to New Versova Influent Pumping Station is in progress. The Length of sewer Tunnel is 3.1 km. Physical progress of work is 98%

- 2. Mithi River Sewer Tunnel :-** The work of sewer tunnel of 2600 mm dia and 6.7 km length to carry dry weather flow from Bapat Nalla and Safed pool Nalla upto Dharavi WwTF is in progress. Physical progress of work is 90%.
- 3. Priority Sewer Tunnel-1 :-** The work of sewer tunnel of 3200 mm dia and 5.9 km length from Don Bosco School in “R/Central” ward to New Malad Influent Pumping Station in “P/North” Ward by Segmental lining method is in progress. Physical progress of work is 63%
- 4. Priority Sewer Tunnel-2 :-** The Work of sewer tunnel of 2600 mm dia and 4.8 km length from Goregaon Pumping Station to New Malad Influent Pumping Station by Segmental lining method is in progress. Physical progress of work is 43%
- 5. Malad Pumping Station –** Work of construction of 1580 MLD capacity Malad Influent Pumping Station is in progress. Physical progress of work is 67%
- 6. Versova Pumping Station -** Work of construction of 540 MLD capacity Versova Influent Pumping Station is in progress. Physical progress of work is 80%
- 7. Bhandup Pumping Station –** Work of upgradation of Bhandup pumping station is in progress. Physical progress of work is 93%
- 8. Ghatkopar Pumping Station –** Work of upgradation of Ghatkopar pumping station is in progress. Physical progress of work is 50%

After commissioning of these priority sewer Tunnels, Gorai Pumping station, Charkop pumping station, Shimpoli pumping station, Malad pumping station and Goregaon Pumping station will be decommissioned and expenditure on Operation & Maintenance of these pumping stations will be permanently saved. The incoming Sewage flow to these pumping stations will be diverted to Priority sewer tunnel 1 & 2 and carrying capacity of sewage will be increased. Therefore sewage load in surrounding sewer lines in Borivali to Goregaon area will be decreased and capacity of sewer lines will be increased.

Also, the construction of Harvey Road Pumping Station (10 MLD capacity) is in progress. The Purification work of Sion Lake, Shital Lake & Dingshwar lake is being carried out jointly through Ch.Eng.(SP) & Ch.Eng.(MSDP) Dept.

Sd/-
Ch.Eng.(MSDP)