

BEFORE THE NATIONAL GREEN TRIBUNAL

WESTERN ZONE BENCH, PUNE

[THROUGH PHYSICAL HEARING (WITH HYBRID OPTION)]

ORIGINAL APPLICATION NO. 150 OF 2025 (WZ)



Dr. Snehal Dhonde

.... Applicant

versus

State of Maharashtra and ors.

.... Respondents

**ADDITIONAL AFFIDAVIT IN REPLY ON BEHALF OF RESPONDENT BMC
PURSUANT TO THE ORDER DATED 23.06.2026 :**

I, 1. Mr. S.N. Bhore, an Adult Indian Inhabitant of Mumbai, working as Dy. Municipal Commissioner (Engineering) having my office at BMC Worli Hub, Worli Naka, Near Acharya Atre Chowk Metro Station, Worli, Mumbai 2. Mr. P.L. Malwade, an Adult Indian Inhabitant of Mumbai working as Dy. Municipal Commissioner (Special Engineering) having my office at 3rd floor, BMC Head Office, Annex Building, Mahapalika Marg, Mumbai – 400001 of the Respondent BMC, do hereby state on solemn affirmation as under: -

1. We are authorized to file this Additional Affidavit before the Hon'ble National Green Tribunal on behalf of BMC in compliance of the order dtd. 23.06.2026
2. We say that in compliance of the aforesaid order dated 23.06.2026, the concerned department have jointly prepared a consolidated tabular report setting out each recommendation of the Committee and the action taken by the respective departments and the present status of implementation alongwith photographs and site plan. The said report is attached herewith and marked as Exhibit-A.



3. We respectfully submit that the earlier Affidavit could not comprehensively incorporate the Committee recommendation in a tabular form alongwith the corresponding documents and action taken report, the said omission was inadvertent and for this Act we tender our unconditional apology to this Hon'ble Tribunal.

4. The present joint Affidavit is complete and updated and is in accordance with the directions of the Hon'ble Tribunal and it is humbly requested that the same may be taken on record in the interest of justice.

Solemnly affirmed at Mumbai)

Dated this 10th day of July, 2026)

1. *[Signature]* 10.07.2026

2. *[Signature]* 10/7/26.
Before me,

Respondent BMC

Identified by me ;

[Signature]

Advocates for the Respondent BMC

BEFORE ME

[Signature]
PRAMOD N. TAMBE
ADVOCATE & NOTARY
GOVT. OF INDIA
REG. No. 36915

NOTED & REGISTERED

Reg. No. 11178

Page No. 2

Date 11 JUL 2026



**BEFORE THE NATIONAL GREEN TRIBUNAL
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[THROUGH PHYSICAL HEARING (WITH HYBRID OPTION)]
ORIGINAL APPLICATION NO,150 OF 2025 (WZ)



Dr. Snehal Dhonde Applicant

versus

State of Maharashtra and ors. Respondents

WITH

Original application no 88 of 2025(WZ)

[Earlier original Application No.318 of 2025 (PB)]

Dr. Rakesh Bakshi Applicant

versus

State of Maharashtra, through its Chief Secretary & ors.

.... Respondents

Compliance Report to the Recommendations made by the Joint Committee in Tabular Form.

Sr. No.	Recommendation of Committee	Remarks / action of BMC
1.	In-situ remediation is simpler to implement than conventional methods, requiring less space and energy. In-situ drain remediation techniques involve the treatment of sewage in the flowing drains by physio-chemical and biological treatment processes. Treatment occurs directly in flowing drains through physical (screening, sedimentation, aeration) chemical (flocculation), and bio-logical (microbal oxidation via phytoremediation) processes. These systems effectively lower BOD and faecal coliform levels while boosting dissolved oxygen including substantial	The work for rejuvenation of the Powai Lake was started by BMC in the month of Aug-23, i.e. much before the recommendation of Joint Committee which came in month of Dec-2025. The Sewerage Project Department has proposed the work of detection of ingress, interception and diversion of DWF (sewage/sludge) work and stopping of sewage ingress in Powai Lake in 'S'-Ward of BMC Mumbai. BMC has appointed Consultant, M/s. Tandon Urban Solution pvt. Ltd. for preparation of DPR and Tender Document for the said work and work order issued to the consultant under no. 9000007380 dt. 17.02.2023. Consultant M/s. TUSPL has prepared Detailed Project Report (DPR) and tender documents. The consultant has estimated a sewage flow of 15.85 MLD, i.e. Dry Weather Flow (DWF), from the existing sewer lines and adjacent slums (i.e. Shri Ganesh Nagar 1 & 2, Sainath Nagar, Chaitanya Nagar, and Swami Narayan Nagar)

reduction of total nitrogen & phosphorous. Phytoremediation, for example, can reduce faecal coliform by over 50% and raise DO from 0 to 5 mg/l. Additionally, there are alternative biological treatments available for removing nutrient pollutants such as phosphorous and nitrogen. There are many in-situ drain treatment technologies such as Green Bridge Technology (GBT), Microbial Dosing (MD), Soil Scape Filter (microbial biological oxidation Technology (SSFT), Floating Islands Technology (FIT), and Restoration of Nallah with Ecological Units (RENEU) are available in India for treating various drains.

In view of the above, as an interim treatment method, the BMC to expeditiously implement in-situ drain treatment technology in the culverts and drains, which are carrying untreated sewage into the Powai Lake.

to Powai Lake, through 19 outfalls and 2 MLD flow to outfall near Peru Baug. In the said DPR Consultant has proposed intercepting and diversion of DWF coming into the Powai Lake.

In this case, Technical Advisory Committee (TAC) comprises of internal BMC staff and external members from IIT, Mumbai, has also appointed. The joint meeting was held on 25.09.2024, under the chairmanship of AMC (City) to finalize the DPR submitted by the consultant, when the TAC members along with concerned BMC staff were present. Hence, it is clearly evident that the solutions adopted by BMC as per the confirmation and recommendations of technical experts only.

The actual work started from 21.08.2025 by the appointed contractor M/s Swastik Constructions. Therefore it is to submit here that, the suggestion of Joint Committee received in the month of Dec-2025 i.e. after starting interception & diversion of work as per the scope of the tender. As such the work is carried out as per the tender scope.

Considering the existing topography, flow generation and site conditions, the consultant proposed the following solution, The work is proposed in two different parts:-

Proposal 1:- Providing and Laying of different dia. Sewer pipe by Open cut & HDD method along with interceptor for diversion of DWF along Powai Lake in 'S' Ward.

Work Order has been issued to the contractor M/s. Swastik Construction on 21.08.2025, and the work is being executed by the Ch.E.(SP) department.

- Total length of Sewer line=3056 m. & total nos of interceptors=13 nos
- Contract Cost :-Rs 396,626,206.75/-
- Time Period :- 18 Month (Excluding Monsoon)
- Operation & Maintenance:- 03 yrs DLP + 03 yrs Non-DLP for Screen & Gates

Proposal-1 is divided in to three parts as follows:-

Part-a) Flow around 8.0 MLD from Gate 1 to 14 will be intercepted and diverted to proposed 8 MLD STP @ abandoned Powai sewage



pumping station land by providing interceptors and laying sewer line under gravity system.

- Length of sewer line: 1909 mtr (laying by HDD method)
- Nos of Interceptor: - 09 nos

Present Status :- 90% of sewer line is laid and 9 nos. Interceptors work is completed.

Part-b) Flow around 8.0 MLD from Gate 15 to 18 will be intercepted and diverted to robo hole on 800 mm existing sewer line along JVLR which heads to bhandup STP, by providing interceptors and laying sewer line under gravity system. Also, a provision will made to divert this 8 MLD DWF to proposed STP as an alternate arrangement by laying sewer line under gravity system.

- Length of sewer line: 942 mtr (laying by HDD method)
- Nos of Interceptor:- 02 nos

Present Status :- 92% sewer line is laid and 2 nos. Interceptors work is completed.

Part-c) Flow around 2.0 MLD from Peru Baug will be intercepted and diverted to Peru Baug pumping station which sends the flow to 9 MLD STP @ Mithi river by providing interceptors and laying sewer line under gravity system.

- Length of sewer line: 205 mtr (laying by open cut method)
- Nos of Interceptor: 02 nos.

Present Status :- 2 MLD flow is successfully diverted at Peru Baug to existing STP at Mithi River and 2 nos. of interceptors work is completed. At present, no current ingress is observed in Powai Lake from Peru Baug.

Till the completion of proposed STP at Suvarn Mandir (abandoned pumping station plot) by Ch.E.(MSDP), it is proposed to divert the entire sewer ingress from gate no 1 to 18 through existing 800mm sewer line along Adi Shankaracharya Marg which is connected to the WWTF (Waste Water Treatment Facility) at Bhandup.



The theoretical date of completion Proposal-1 is 21.11.27. However works are expected to be completed by 30.09.2026. Hereto annexed and marked as Annexure-I (Colly.) are the photographs showing the work in progress at the site alongwith the site plan.

Proposal-2:- Designing, Providing, Constructing and Commissioning modernised and fully automated Sewage Treatment Plant of 8 MLD capacity on Design Built Operate (DBO), along with 06 year of Operation and Maintenance at Powai abandoned sewage pumping station, in 'S' Ward. The Work Order is issued to the contractor M/s. EIUL-SSG JV on 12.12.2025, and the work is being executed by the Ch.E.(MSDP) department.

- Contract Cost :-Rs.65,88,36,771.46/-
- Time Period :- 24 Month (Excluding Monsoon)
- Details of the proposal 2 are as follows:-
- Construction and commissioning of STP
- Demolition of existing structures at STP
- Compound Wall for STP
- Treated Water Discharge line 600 meters
- Wet Well
- GFS Glass Tank
- 8 MLD STP & Pre-Treatment Unit M&E work including all required civil works
- MBR System including sludge management system
- Instrumentation Works
- Electro-chlorination Disinfection System
- Pre-Treatment Unit- Commissioning & Trial Run
- MBR System - Commissioning & Trial Run
- Electro-chlorination Disinfection System - Commissioning & Trial Run
- Pre-Treatment Unit - Comp O&M (3 Years DLP + 3 years Non-DLP)

- Present Status:-**Presently, 2% of the work is completed, and the same is having time period of 2 years (excluding monsoon). Even though the date of completion of above mentioned 8 MLD STP is 11.12.2028, considering the urgency, BMC asked the appointed contractor to expedite the STP (Sewerage Treatment Plant) work and complete the same by 11.12.2027.

New STP based on Sequential Batch Reactor (SBR) is also under construction at existing Bhandup STP premises for meeting effluent discharge standards prescribed by Hon'ble NGT vide order dated 30.04.2019. This new STP at Bhandup will be completed and commissioned by October 2026, thus replacing the old existing aerated lagoon-based sewage treatment plant.

Hence, as the permanent long-term solutions of interception & diversion of dry weather flow are expected to be implemented by 30.09.2026, by not allowing any discharge into Powai Lake and the diverted dry weather flow will also be treated at Bhandup STP before discharging into creek, there is no specific need to implement the In-situ treatment facilities as suggested in the Joint Committee's report.



completion of diversion of the untreated sewage into newly proposed sewer lines and subsequent connectivity & treatment at new STP and at existing STPs, the BMC should carry-out rejuvenation of Powai Lake by implementing in-lake restoration techniques - engineering techniques and/or biological techniques. The said activity may be carried-out under the supervision of academic/research institutes having expertise in Rejuvenation of Rivers and Lakes, with funding from the BMC.

Hydraulic Engineering (HE) department has carried out sedimentation survey of Powai Lake by hybrid survey method (SRS & Bathymetric survey technique) in co-ordination with Maharashtra Engineering Research Institute, Nashik (MERI) of state government in the year April - 2024.

Now, HE department has proposed the work of checking feasibility for desiltation of Powai Lake via. appointed NGO M/s. Green Yatra (NGO) through CSR Fund. The said work will be carried out in following manner.

Phase	Timeline	Key Activities	Outcome
Phase 1: Baseline Scientific Assessments	June 2026 – June 2027	Initiation of comprehensive pre-assessment studies of Powai Lake, including Bathymetric Survey, Water Quality Analysis, Sediment Characterization, Biodiversity & Assessment, and Identification of Silt Disposal Options. Seasonal monitoring and data collection will be undertaken to establish a scientific baseline for restoration planning.	Generation of scientific datasets and assessment reports to guide restoration interventions and DPR preparation.
Phase 2: DPR Preparation & Statutory Approvals	October 2026 – September 2027 (Concurrent with Phase 1 and continuing thereafter)	Preparation of the Detailed Project Report (DPR) based on findings from ongoing assessments. Development of, restoration strategies, stakeholder consultations, and submission for statutory and administrative approvals. Recommendations emerging from the assessment studies will be progressively	Approval of the DPR and establishment of a technically and environmentally sound restoration framework.



		incorporated into the DPR.	
Phase 3: Desilting & Core Restoration Works	Different Phase wise desilting will be carried out based on DPR results	Following completion of the scientific assessments and approval of the DPR, phased desilting operations will be undertaken. Activities will include dry desilting, silt handling and reuse, creation of sediment traps and treatment lagoons, inlet management, and ecological safeguards during implementation.	Restoration of lake depth and storage capacity, improvement in water quality, and reduction in eutrophication and flood risks.
Phase 4: Ecological Enhancement & Long-Term Stabilization	Maintenance period	Bund strengthening, native plantation, lake-edge ecological treatment, habitat enhancement, nature-based amenities, and post-restoration monitoring.	Long-term ecological stability, enhanced biodiversity, and sustainable management of Powai Lake.

The work for Phase 1 is already started. The work will be executed in co-ordination with staff from BMC, M/s. Green Yatra (NGO), experts from IIT, Bombay, experts from Bombay Natural History Society (BNHS) and stakeholders from Powai Areas

3.	The BMC must ensure that no untreated sewage is discharged into the Powai Lake and till setting up of STPs, interim remediation (in-situ remediation) must be done forthwith. In case of any default in this regard, the Hon'ble NGT may direct the BMC to pay compensation of Rs. 5 lakh per month per inlet into the lakes from	The details are mentioned here in at Sr. No. 1 above. From 30.09.2026 onwards no untreated sewage will flow into Powai Lake.
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01/02/2020, as deemed fit, as per the Hon'ble NGT (PB) matter in the OA. No. 125 of 2017, Court on its own Motion Vs The State of Karnataka.

4. It has been reported by the BMC in its Detailed Project Report of March, 2025 that about 4,500 Lakh m³ of silt has been deposited in the Powai Lake. Decreased transmission of light through the water column is among the most important of the physical effects of increased sediment loads on aquatic ecosystems. Increased sediment loads or resuspension of deposited sediments can cause considerable reductions in both oxygen availability and rates of water column reaeration, thereby significantly impacts the biodiversity, ecological processes, and ecosystem functions of the Lake. In view of the above, the BMC to expeditiously carry-out dredging of edges of Powai Lake to remove the accumulated sediment and debris including de-weeding from the shoreline and shallow areas including de-silting of Powai Lake to restore depth, improve water quality, and enhance the ecosystem functions. Further, analysis of sludge and silt may be carried out before its disposal based on the result of such analysis, the mode of disposal and protocol be determined in accordance with laid down principles

H.E. department had carried out sedimentation survey of Powai Lake by hybrid survey method (SRS & Bathymetric survey technique) in co-ordination with Maharashtra Engineering Research Institute, Nashik (MERI) of state government in the year April - 2024.

Now, HE department has proposed the work of checking feasibility for desiltation of Powai Lake via. appointed NGO M/s. Green Yatra (NGO) through CSR Fund.

As mentioned in point no. 2 in detail, the work for Phase 1 is already started. The work will be executed in co-ordination with staff from BMC, M/s. Green Yatra (NGO), experts from IIT, Bombay, experts from Bombay Natural History Society (BNHS) and stakeholders from Powai Areas.

Under the relevant Rules. The BMC may refer and adopt the appropriate remediation and de-silting techniques which are implemented by the Govt. of Karnataka, as per their action plan & compliance report submitted to the Hon'ble NGT (PB) in the matter in OA. No. 125 of 2017, Court on its own Motion Vs The State of Karnataka.



5. The BMC to install additional jet fountains/ aerators of adequate capacity along the shoreline of Powai Lake i.e. near the mixing zone/confluence of untreated sewage with Lake water so as to aid in better aeration and to prevent septic/ anoxic conditions.	HE Department – There are barge mounted Aeration system & Dissolve Oxygen (DO) Monitoring system installed in Powai Lake. The photographs thereof are hereto annexed and marked as <u>Annexure-2 (Colly)</u>. WSP Department - There are jet fountain / aerators are installed inside Powai Lake in front of Ganesh Ghat immersion point by Ch.Eng.(WSP) department of BMC. Presently the fountains are not in working condition and efforts are being made to make them operational by carrying out necessary repair works. MHADA Department of state government - At shoreline near Pawarwadi Immersion point work of providing and installing musical fountain assembly is taken in hand by MHADA department under state government and NOC for the work is given by BMC's HE department with terms and conditions and same will be completed in 6 months.
6. After the rainy season, the BMC to initiate cleaning and de-silting of culverts and drains which are carrying untreated sewage into Powai Lake. As far as practically feasible, all the culverts and drains to be covered with pre-cast RCC slabs in order to prevent unauthorized disposal of solid waste and	Cleaning and de-silting of culverts and SWD drains around Powai Lake are done on regular basis by SWD department and S-Ward. Assistant Commissioner S-Ward ensures that there is no unauthorised sewer connection carrying untreated sewage to culverts and SWD drains in the vicinity of Powai Lake. Also, SWD department and S-Ward staff ensures that the culverts and drains are covered with pre-cast RCC slabs in order to prevent unauthorised disposal of solid waste and



plastic waste etc.	ChE (Sewerage Project) department ensure that all sewer lines are carrying untreated sewage are underground and Roboholes are covered with CI covers.
7. The BMC to install trash net capture technologies consisting of:- 1. Storm Drain Inlet Trash Capture Technologies - Curb Inlet Covers, Catch Basin Outlet Screens, Catch Basin Hoods, Catch Basin Fabric Inserts; In-Line and End of Pipe Trash Capture Technologies - Linear Radial Devices, Hydrodynamic Separators, Netting Systems; and 2. Open Water Trash Capture Technologies - Litter Booms, Trash Skimmer Vessels, Bandalong Litter Trap. In view of the above, the BMC to explore and implement suitable trash net capture technologies, based on the feasibility assessment to prevent the influx of floating debris including solid waste and plastic waste etc. from entering Powai Lake.	To prevent the influx of floating debris including solid waste and plastic waste, screen arrangement is proposed to the interceptors in Proposal-1. Instead of trashnets, screen and gates arrangement have been suggested by the consultant in their Detail Project Report (DPR) to prevent the influx of floating debris including solid waste and plastic waste and the same is also approved by TAC (Technical Advisory Committee). Accordingly, screens are provided on site in proposal-1. Hereto annexed and marked as Annexure-3 (Colly.) are the photographs of the screen mentioning thereon the location on which they are installed.
8. It is observed that the BMC is disposing the removed water hyacinth from Powai Lake to low lying areas in Villages near Bhiwandi, and in Mumbra, Dist. Thane, for disposal through its authorized contractor. Instead of disposal in low lying areas, the BMC may explore the following prospects in terms of its reuse/recycle potential:	HE department - As per the recommendations of the Hon'ble NGT, the Hydraulic Engineer's Department is exploring suitable options for removal of hyacinth from Powai Lake and sustainable recycling / reuse of removed hyacinth. HE department has made an appeal through print media and digital media to invite experts, scientists, and interested stakeholders to submit proposals. The EOI (expression of interest) for Expression of interest for removal of hyacinth from Powai Lake and sustainable recycling / reuse of removed hyacinth under

1. Water hyacinth for feeds - because of its nutritional value and potential use as feed for livestock, poultries, and fish, which make it suitable for use as a substitute or an additive for animal feeds. 2. Water Hyacinth for Biofertilisers- Water hyacinth can be or composted, either mulched, anaerobically digested for biofertilisation purposes. vermicomposted 3. Water Hyacinth in Crafts - Water hyacinth has great potential for use in craft production. Raw material from the dried plant and its fibre can be utilised to make bags, handbags, wallets, flower pots, fashion accessories, mats and many other items. 4. Water Hyacinth Conversion to Bioenergy - Biogas production through the anaerobic digestion and briquette production from water hyacinth biomass. In view of the above, the BMC to explore and implement suitable methods, based on the feasibility assessment to reuse/recycle the harvested water hyacinth rather than disposing of it in low lying areas.	H.E.'s 489 489 Department is published on BMC portal & in newspapers. Further action shall be taken based on the feasibility assessment of the proposals received. The copy of EOI published on BMC Portal are hereto annexed and marked as <u>Annexure-4 (Colly.)</u>.
9. The BMC to expeditiously complete the works as proposed in Proposal-1 i.e. laying of sewer line of total length of 3,056 m & interceptors of 13 nos. and connectivity to the existing STPs at	The details are provided in point Sr. No. 1 above.



Bhandup and Mithi River. Also, to expeditiously complete the works as proposed in Proposal-2 i.e. laying of sewer line of total length of 1,909 m & interceptors of 09 nos. & its connectivity and commissioning of new STP at Powai abandoned sewage pumping station, laying of discharge of treated sewage conveyance system for final disposal.

10.	The BMC to expeditiously complete the works & commissioning of new STP at Bhandup.	The work Design, Build and Commissioning of new STP at Bhandup is expected to be completed by 31.10.2026. MSDP Department to provide pert chart with respect to Sr.no.10.
11.	The BMC to ensure connectivity and dissemination of real time monitoring results of DO levels of Powai Lake at public domain i.e. website of BMC.	HE department – the real time results to DO levels of Powai Lake are available on BMC website at URL- www.dopowai.com .
12.	The BMC to ensure that no solid waste, religious offerings, food waste, plastic waste etc. is disposed into the Powai Lake including immersion of idols during festive occasion. Also, to regularly conduct public outreach programs through capacity building for communities near the Powai Lake and also at other areas of Mumbai City for abatement of pollution and conservation of Lakes.	Ch.Eng.(SWM) department and Assistant Commissioner (S-Ward) office:- The BMC profoundly taking care of no solid waste, religious offerings, food waste, plastic waste etc. is disposed into the Powai Lake. At the time of Ganpati and durga festival idol immersion, idol up to 6 ft immersed into artificial tank which is offered by BMC during festival season. Above 6ft idols are immersed into the lake which is retrieved in same night with the help of crane, boat and transported to designated site. In festival season special vehicle and NGO is deputed to collect nirmalya and all type of religious offerings comes along with idol. All type of such material is completely removed before the idols immersion and transported to the unloading site. Ample number of nirmalya kalash and labour is deployed along lake on daily basis, where devotee offering nirmalya which is collected in nirmalya kalash, and cleaned surrounding area and



		transported to designated site. Also, conducting regularly public awareness programme like street play, chitra Rath, display banner etc. at immersion spot and along lake to avoid any waste disposed to lake which will causes lake water pollution.
13.	The BMC to undertake beautification of Lake's shoreline for public use by the way of lake front development. Also, to install fencing around the Powai Lake in order to prevent unauthorized & lackadaisical entry of public including disposal of debris, solid waste and plastic waste etc. Further, the BMC to install sinage boards in vernacular language at appropriate locations about DO's and DON'Ts for prevention of pollution and conservation of Powai Lake.	HE department is looking forward to undertake beautification of Lake's shoreline for public use by the way of lake front development. The consultant M/s. AECOM Asia company Limited is appointed for preparing DPR and timeline for the preparation of DPR is 06 months. Further action shall be taken after submission of DPR by the consultant. HE department had installed informatory signage boards in vernacular language at appropriate locations about DO's and DON'Ts for prevention of pollution and conservation of Powai Lake along lake periphery. Hereto annexed and marked <u>Annexure-5 (Colly.)</u> are the Site photographs showing signage board and installed dustbins.
14.	The BMC to submit a time bound action plan along with PERT chart for implementation of the remedial measures, as given above."	Hereto annexed and marked <u>Annexure-6 (Colly)</u> are a time bound action plan.

As the permanent long-term solutions of interception & diversion of dry weather flow are expected to be implemented by 30.09.2026 by not allowing any discharge into Powai Lake and the diverted dry weather flow will also be treated at aerated lagoon based STP at Bhandup, before discharging into the creek. There is no specific need to implement the In-situ remediation facilities as suggested in the Joint Committee's report.

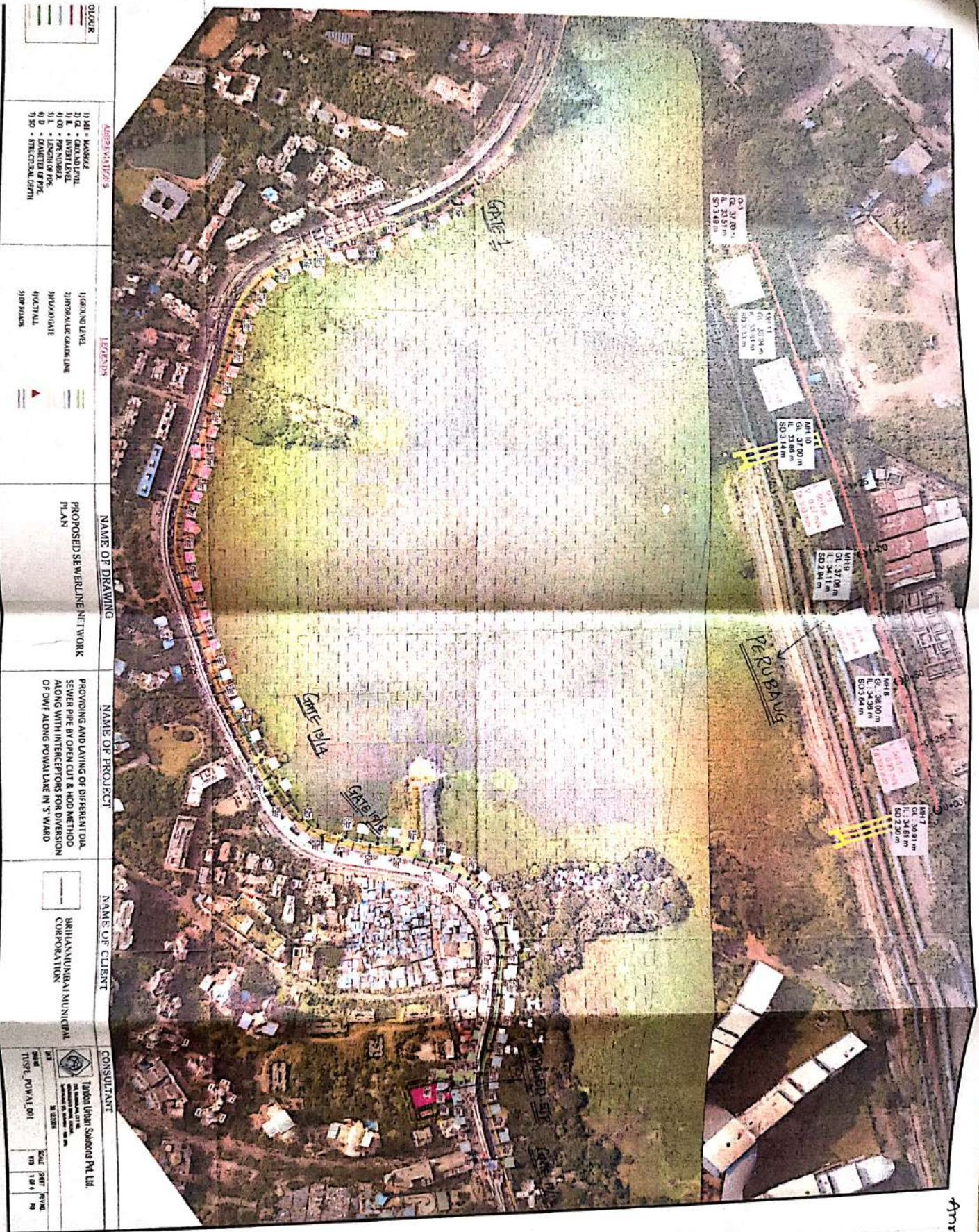
It is to state here that BMC have adopted permanent remedial measures instead of temporary In-situ remediation as recommended by the Joint Committee. The measures adopted by the BMC will result in a permanent solution for the rejuvenation of Powai Lake.

Ravi 09/07/26
Hydraulic Engineer

33/07/09.07.2026
Chief Engineer (S.P.)/c

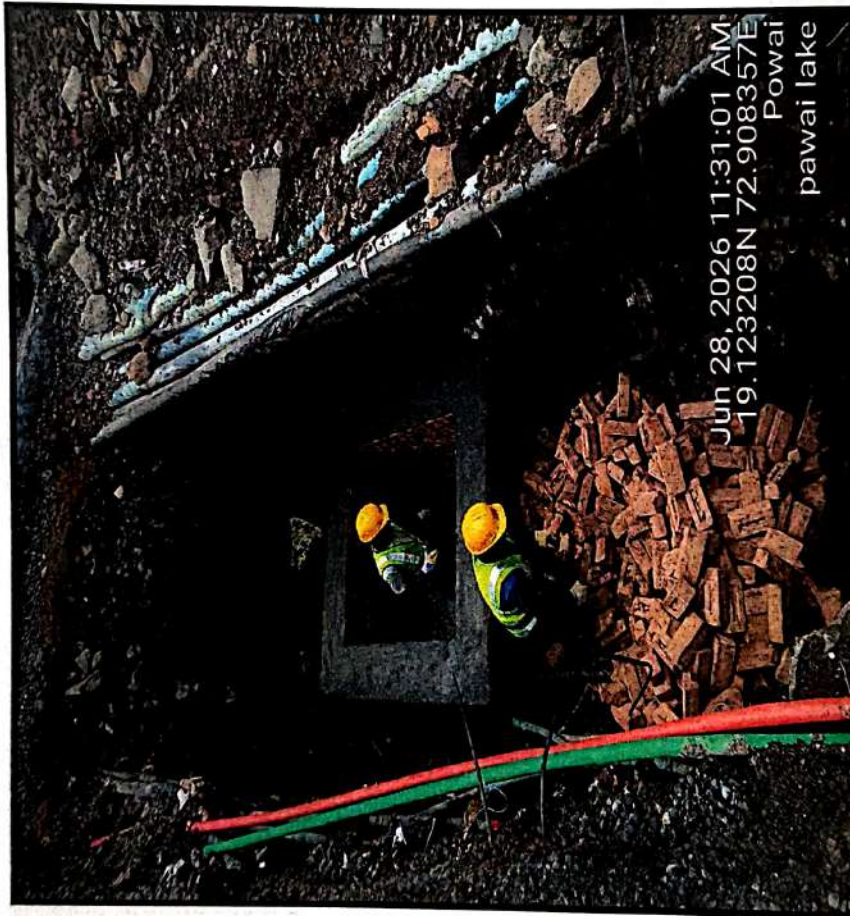
9/7/26
Chief Engineer (M.S.D.P.)

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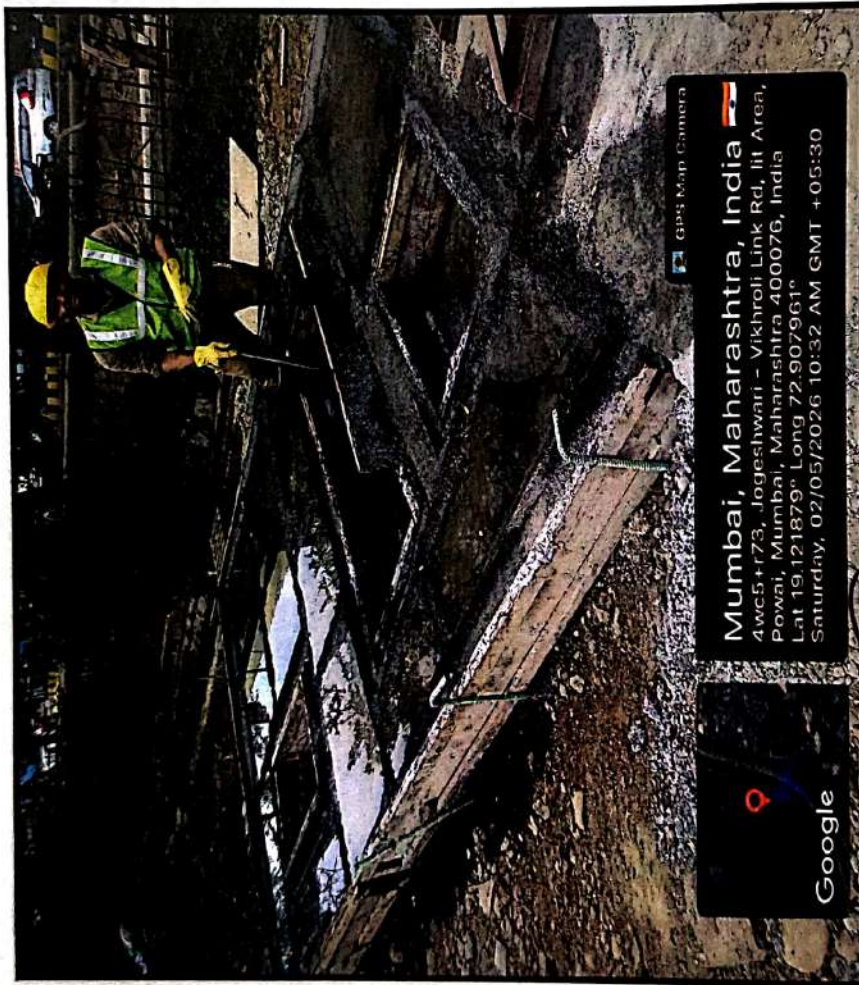
Annexure 1

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



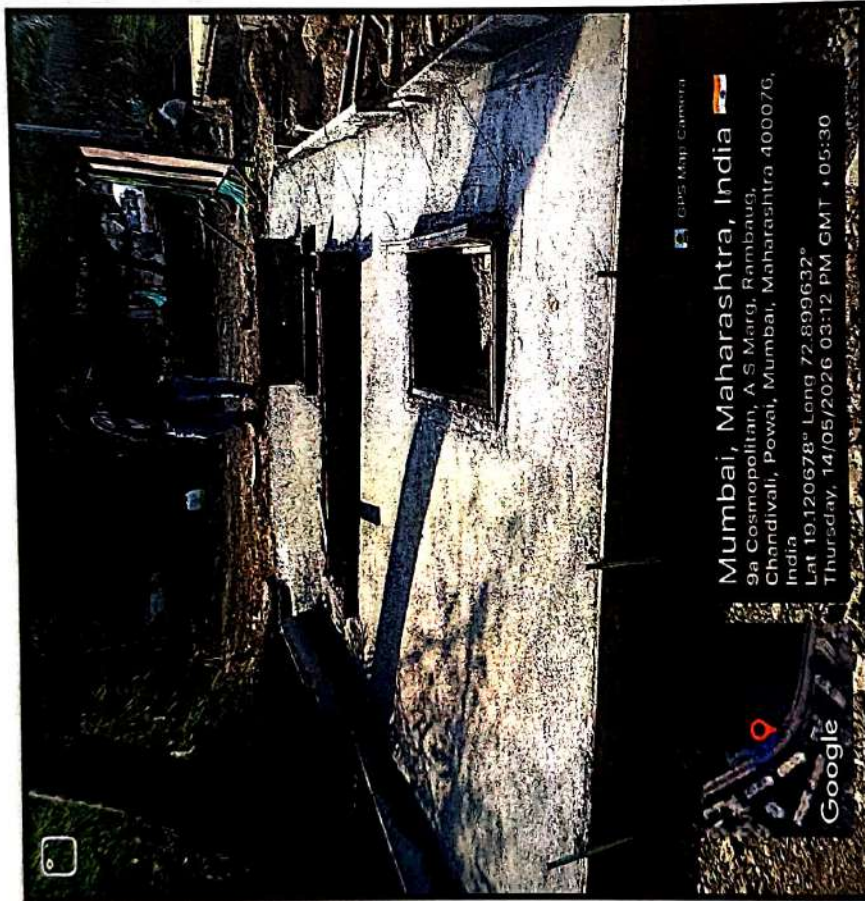
RH 10 Construction Work in Progress

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



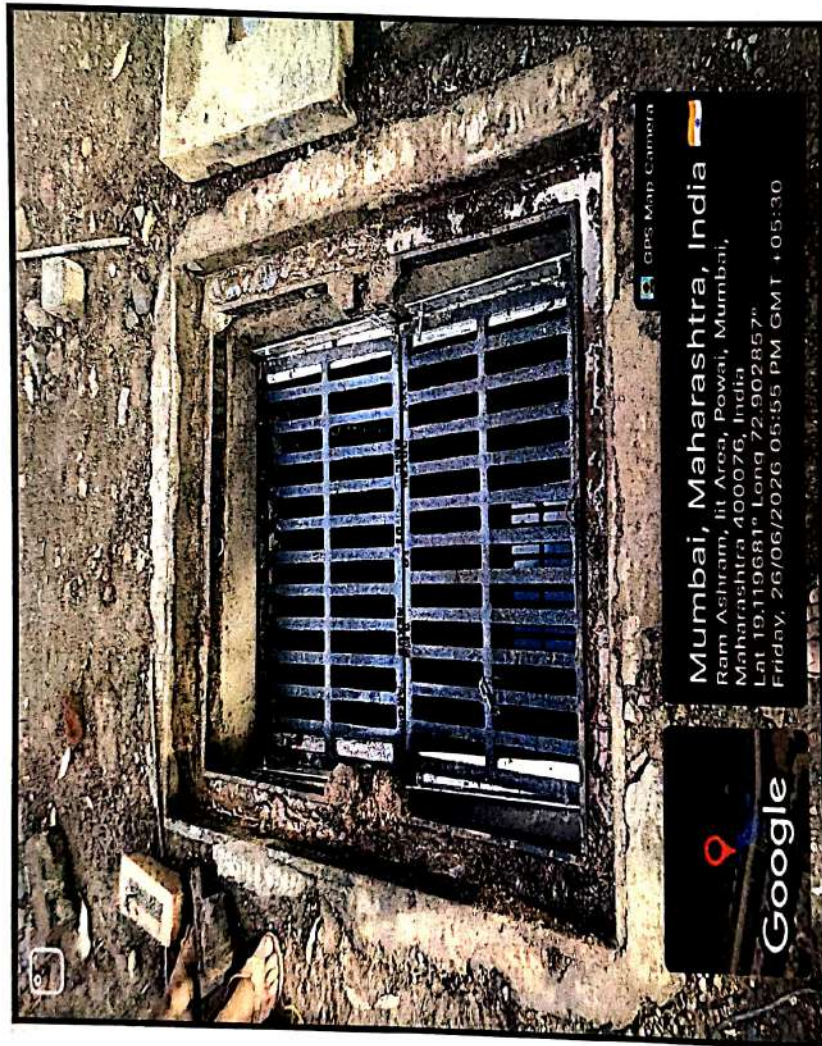
Interceptor at Gate 8/9

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



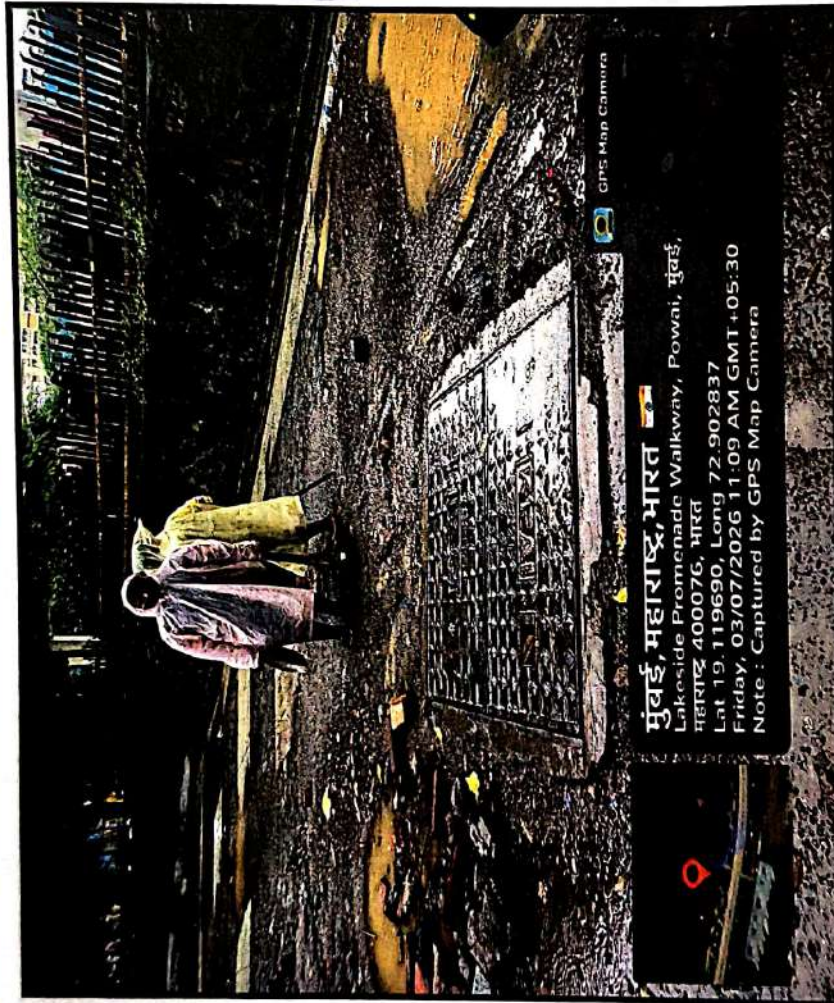
Interceptor at Gate 4/5

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



Safety Grill for Scrappier Robohole No. 20

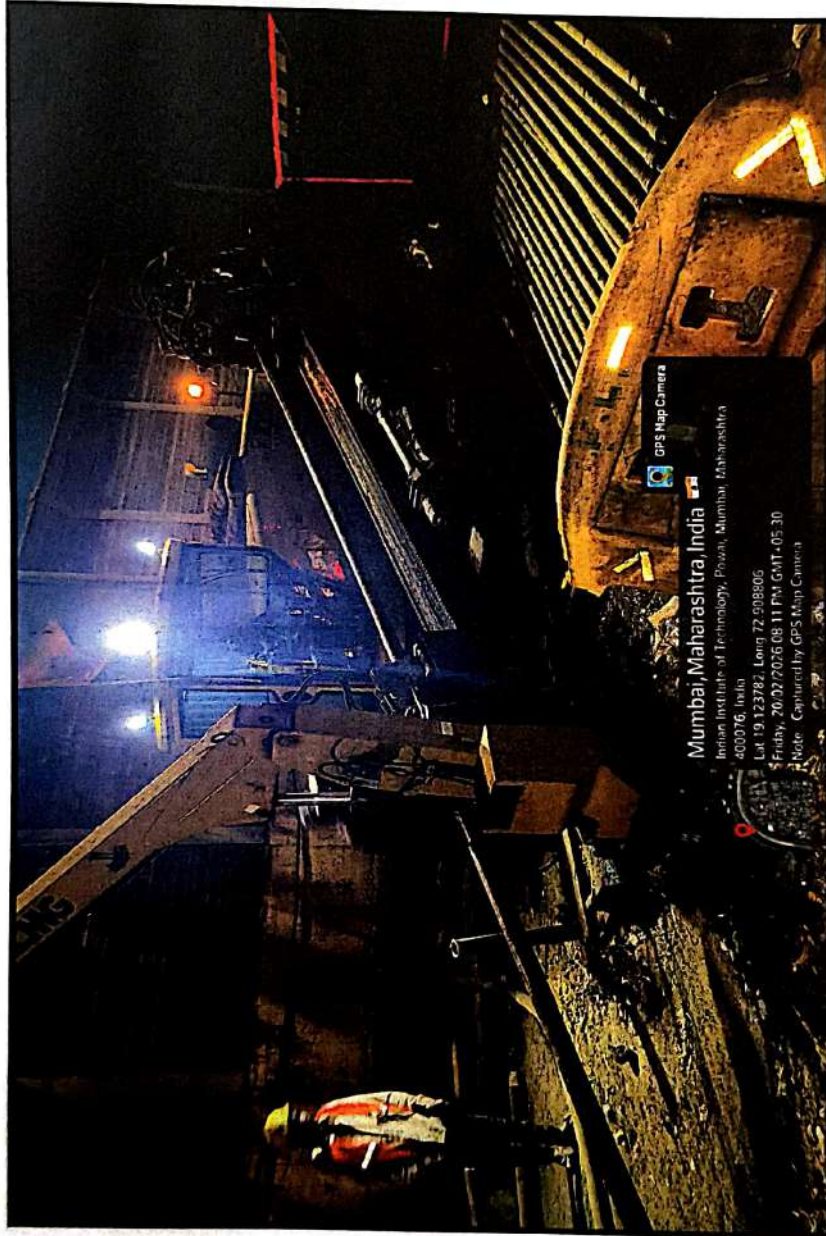
Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



CI Cover for Scrappier Robohole No. 20

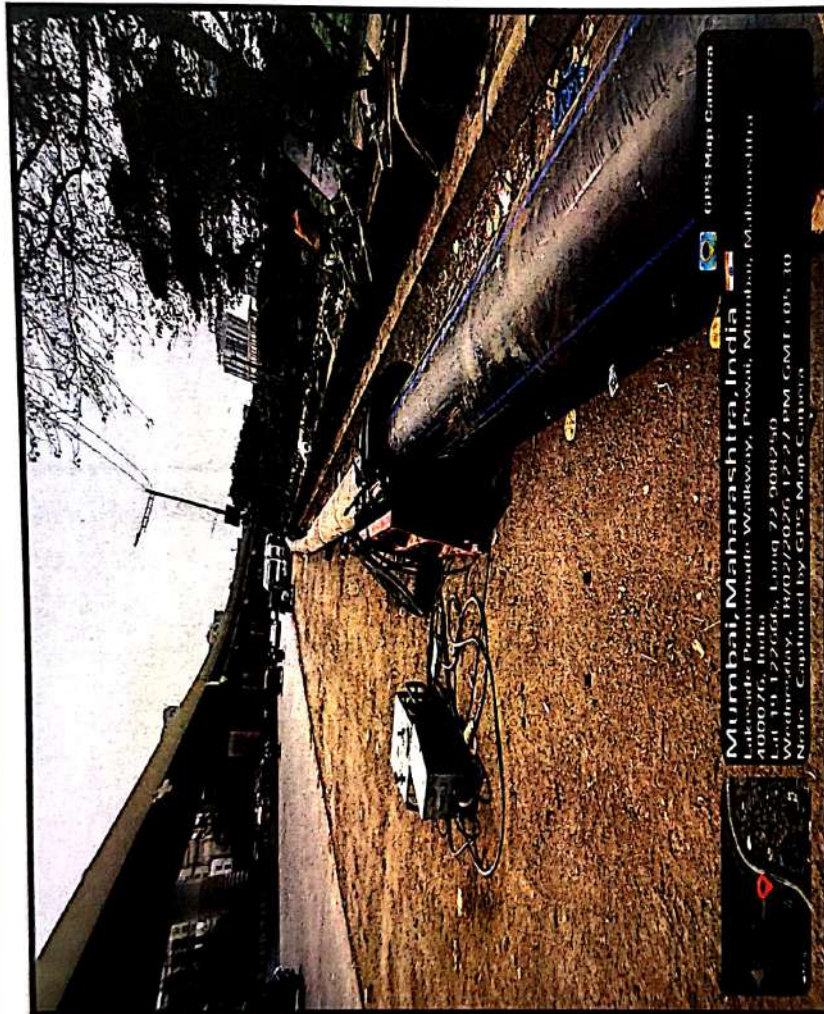


Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



HDD Work on JVL Road

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



Pipe Jointing for HDD Work

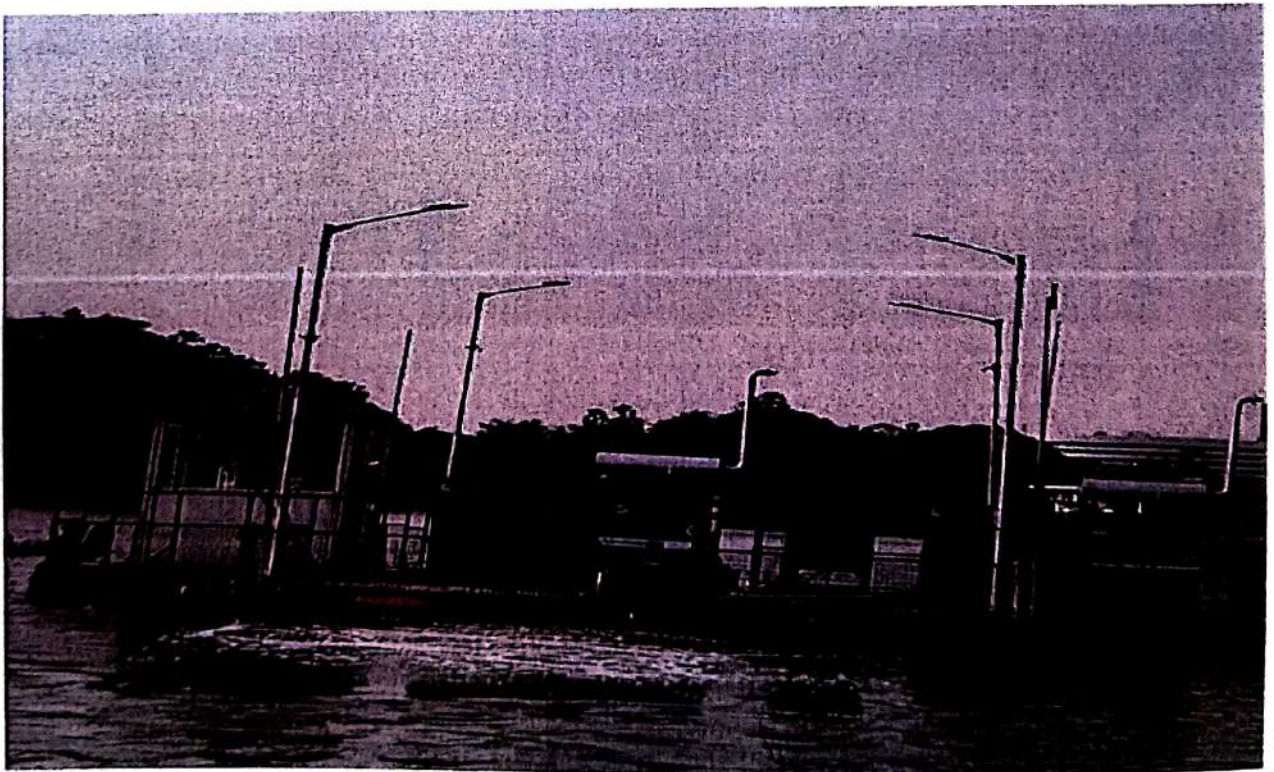
Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in 5 ward.

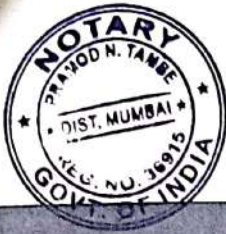


Safety Grill & CI Cover for Robohole No. 19



DO Monitoring and Aeration system of Powai Lake

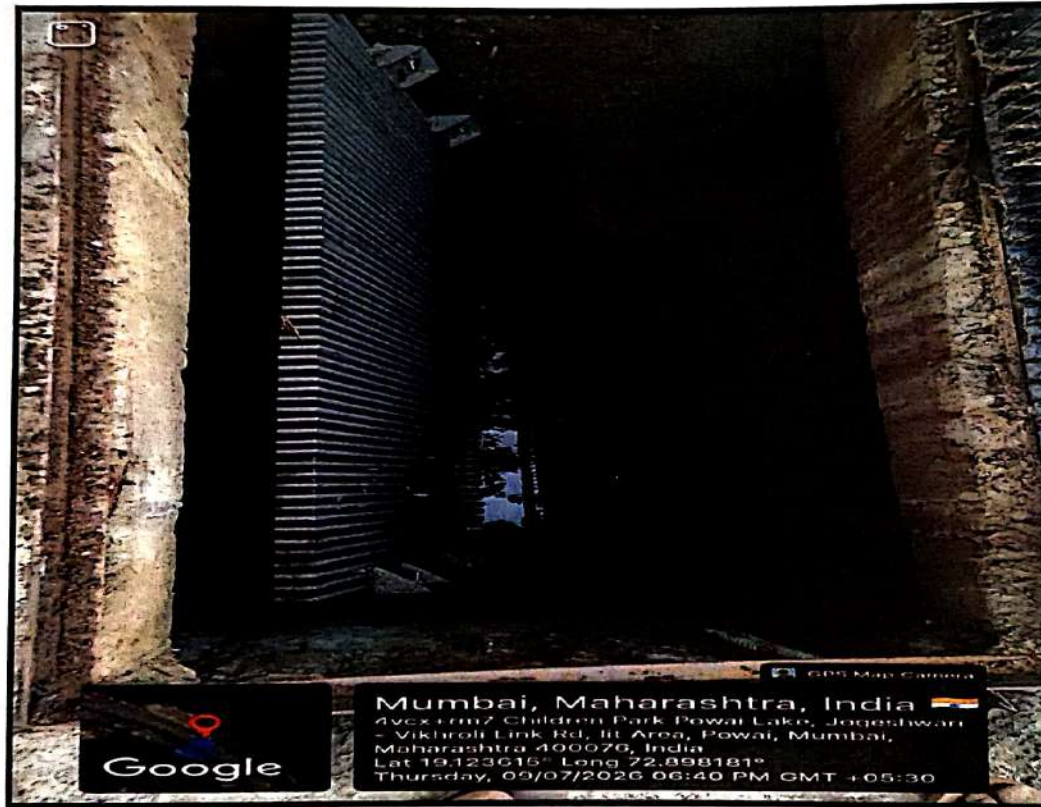




Fountains being installed at Pawarwadi ghat



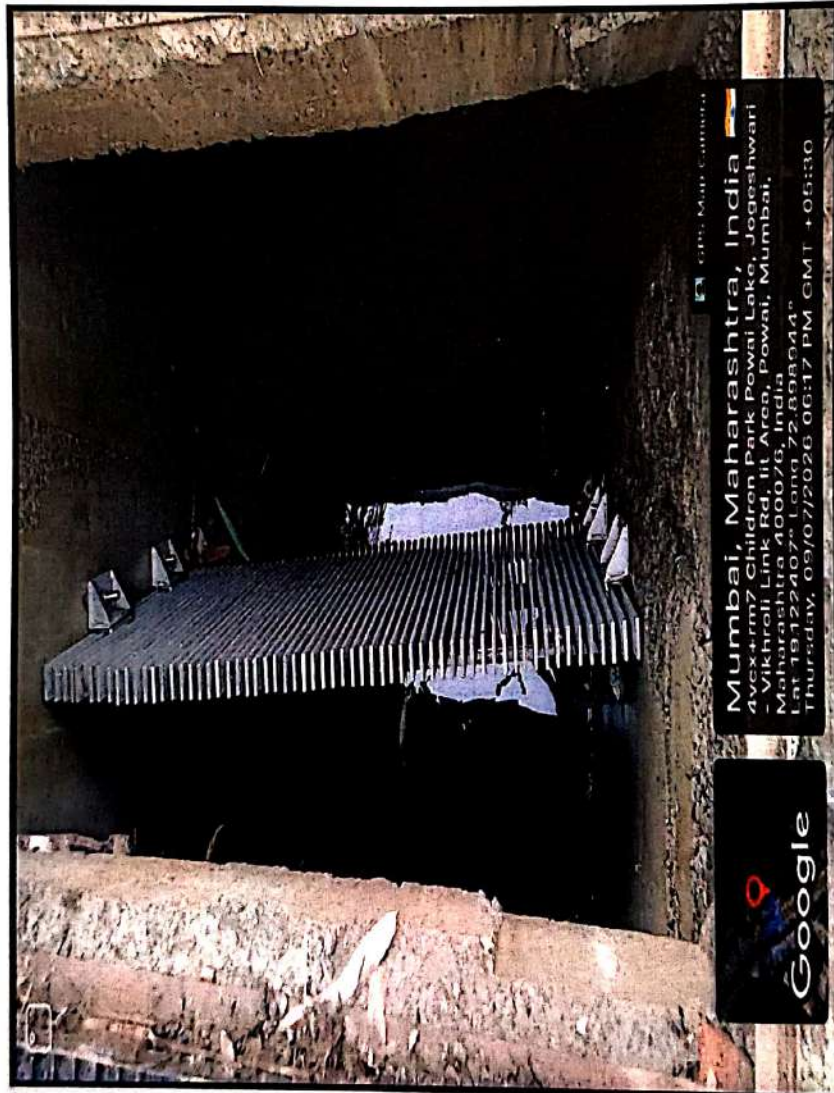
Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



SS Manual Coarse Screen for Interceptor at Gate 1

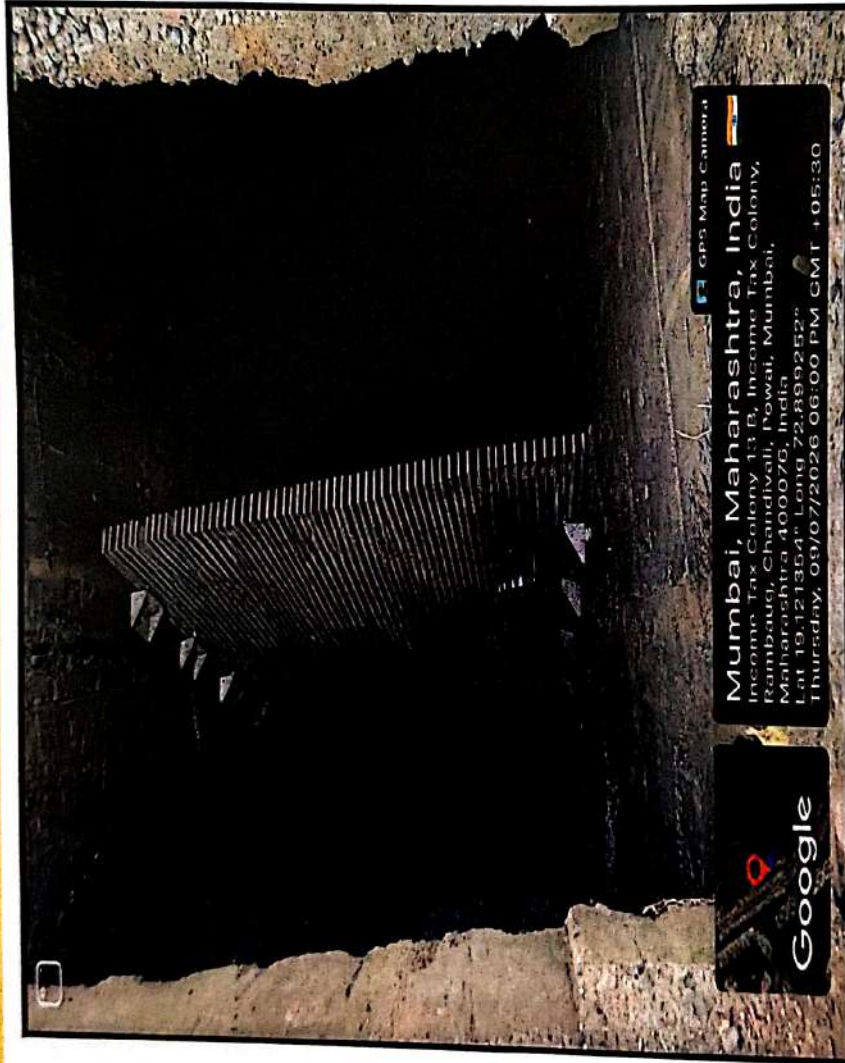
Annexure 3

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



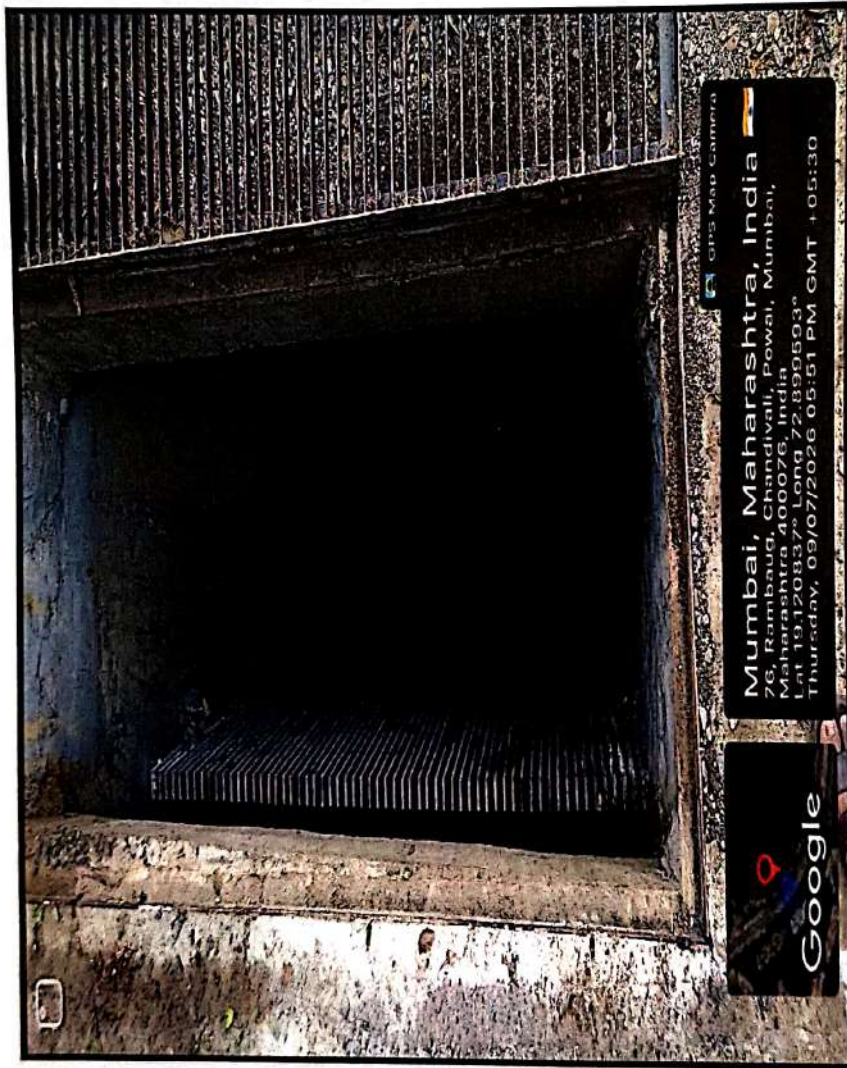
SS Manual Coarse Screen for Interceptor at Gate 2

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



SS Manual Coarse Screen for Interceptor at Gate 3

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



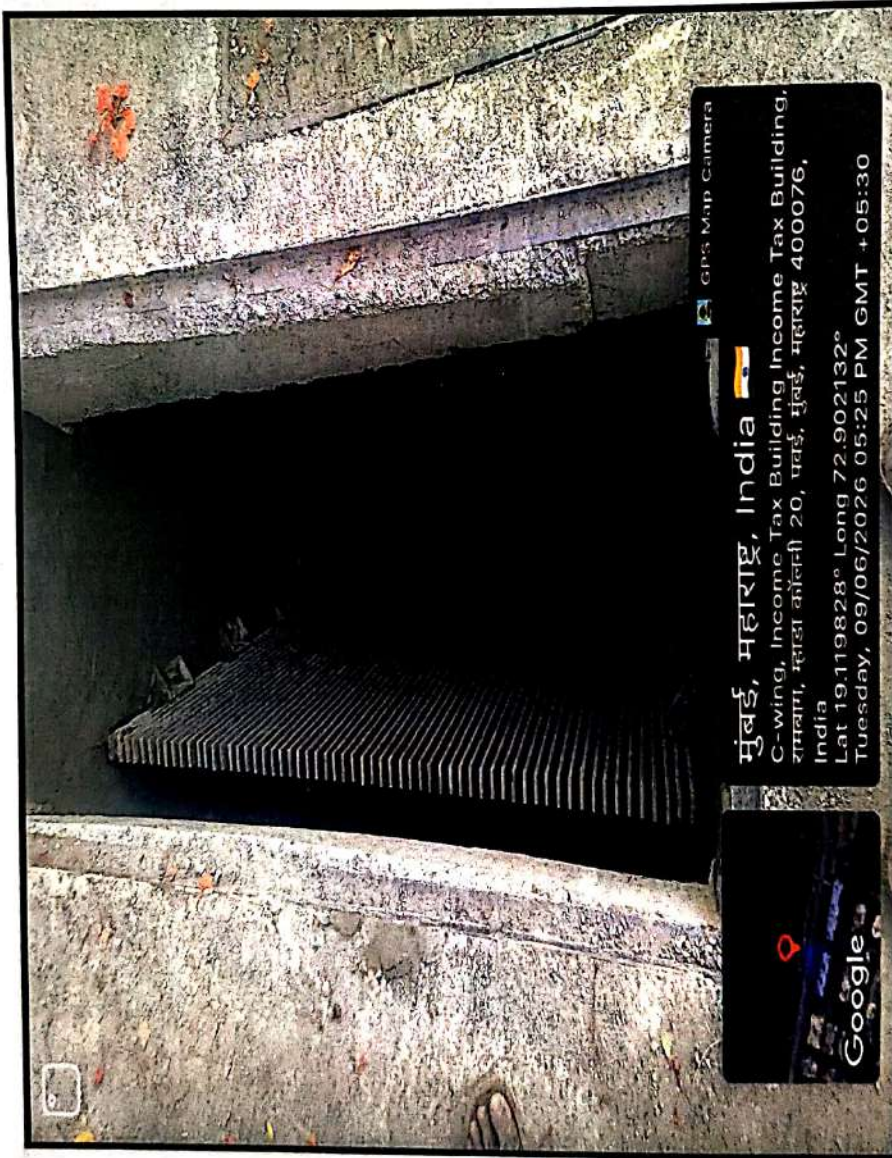
SS Manual Coarse Screen for Interceptor at Gate 4/5

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



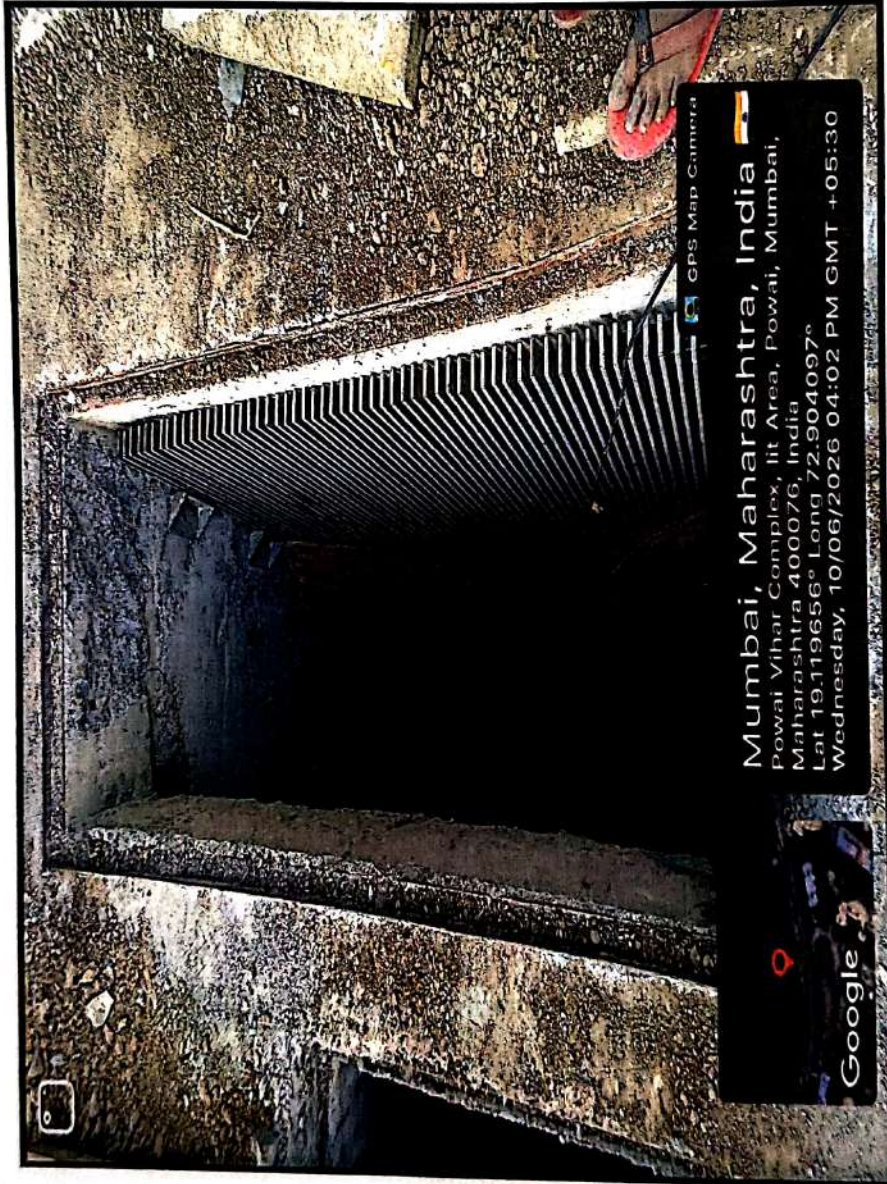
SS Manual Coarse Screen for Interceptor at Gate 6/7

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



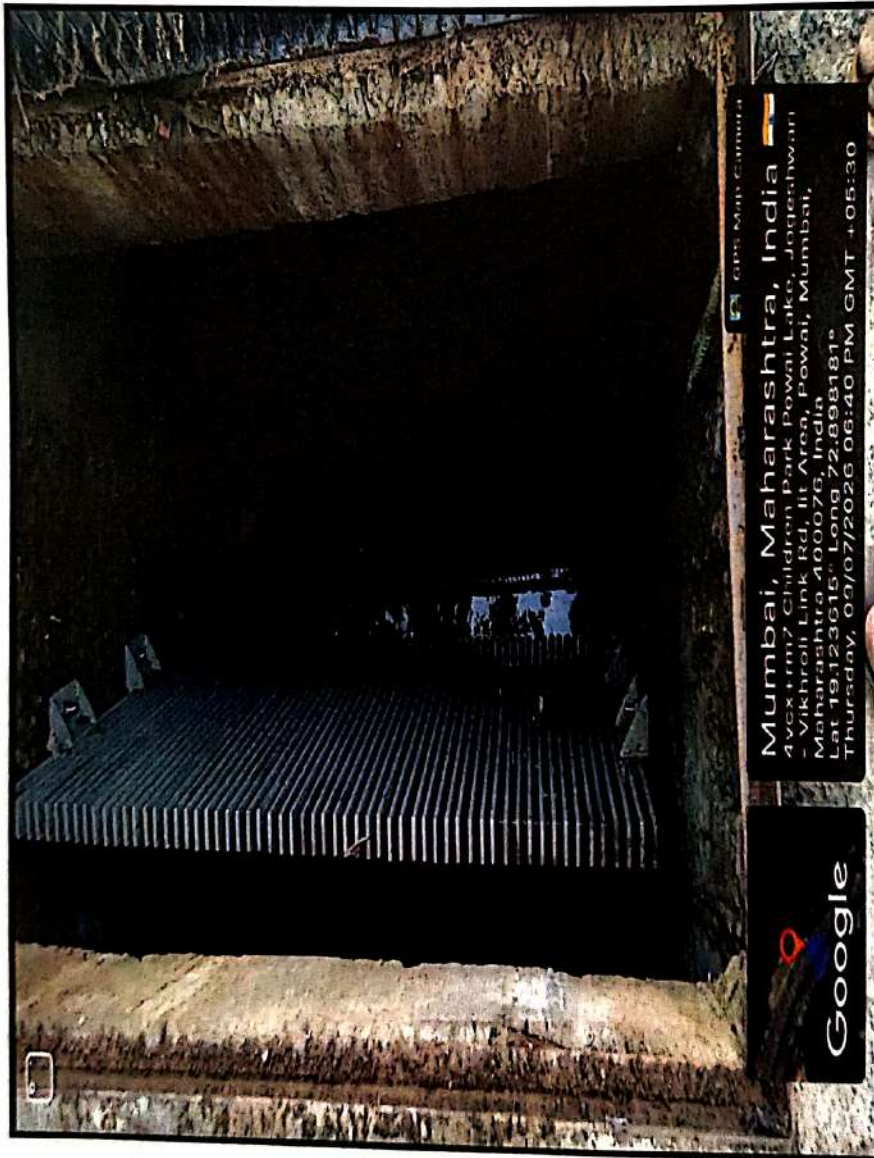
SS Manual Coarse Screen for Interceptor at Gate 8/9

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



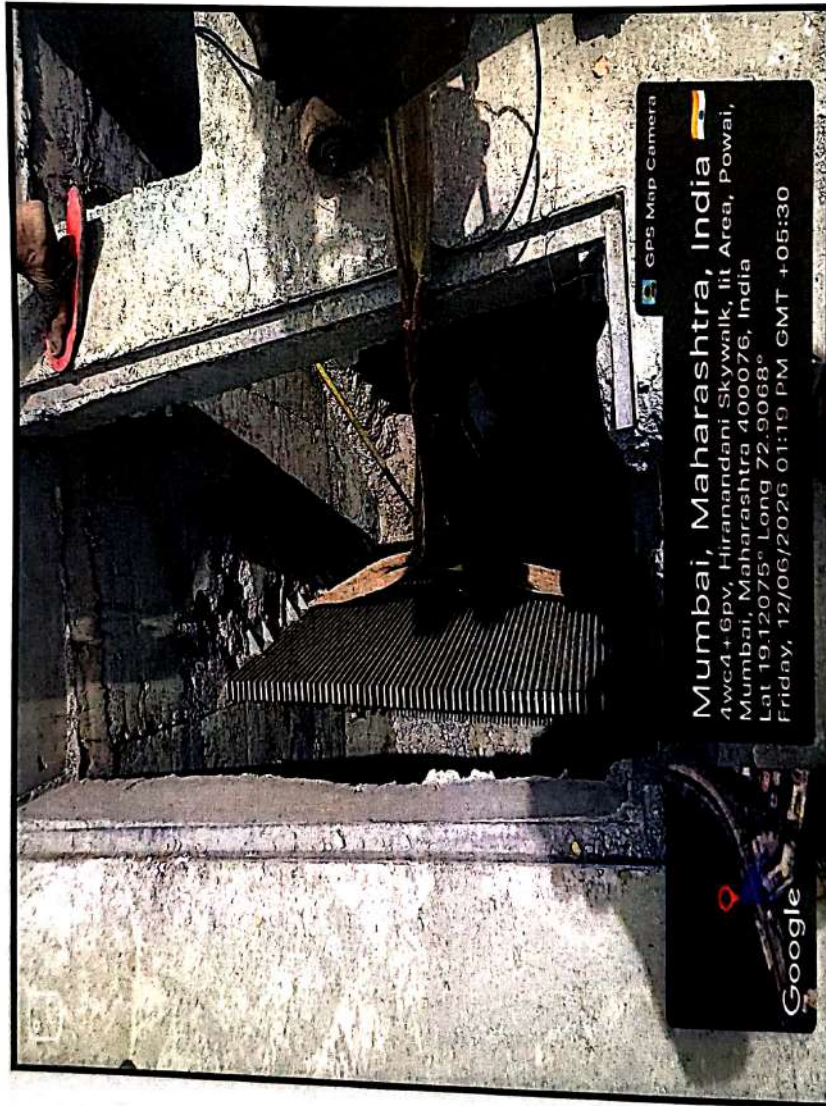
SS Manual Coarse Screen for Interceptor at Gate 10

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



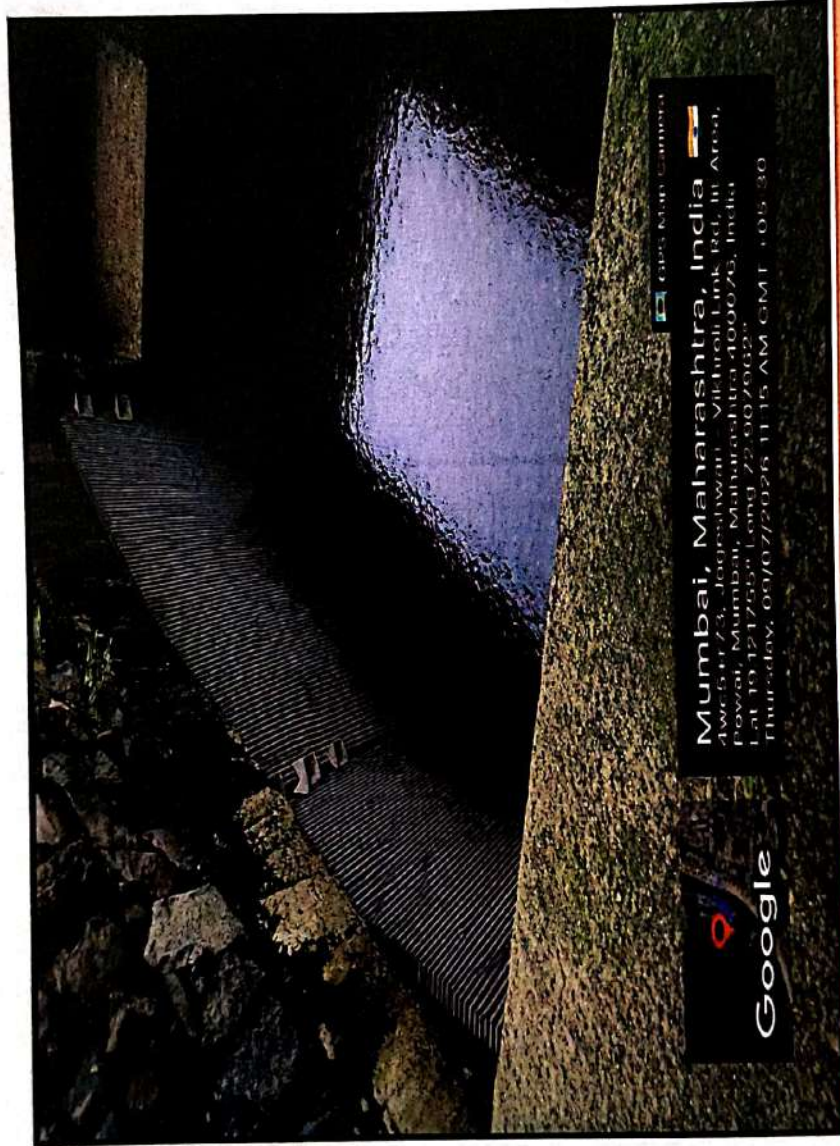
SS Manual Coarse Screen for Interceptor at Gate 11/12

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



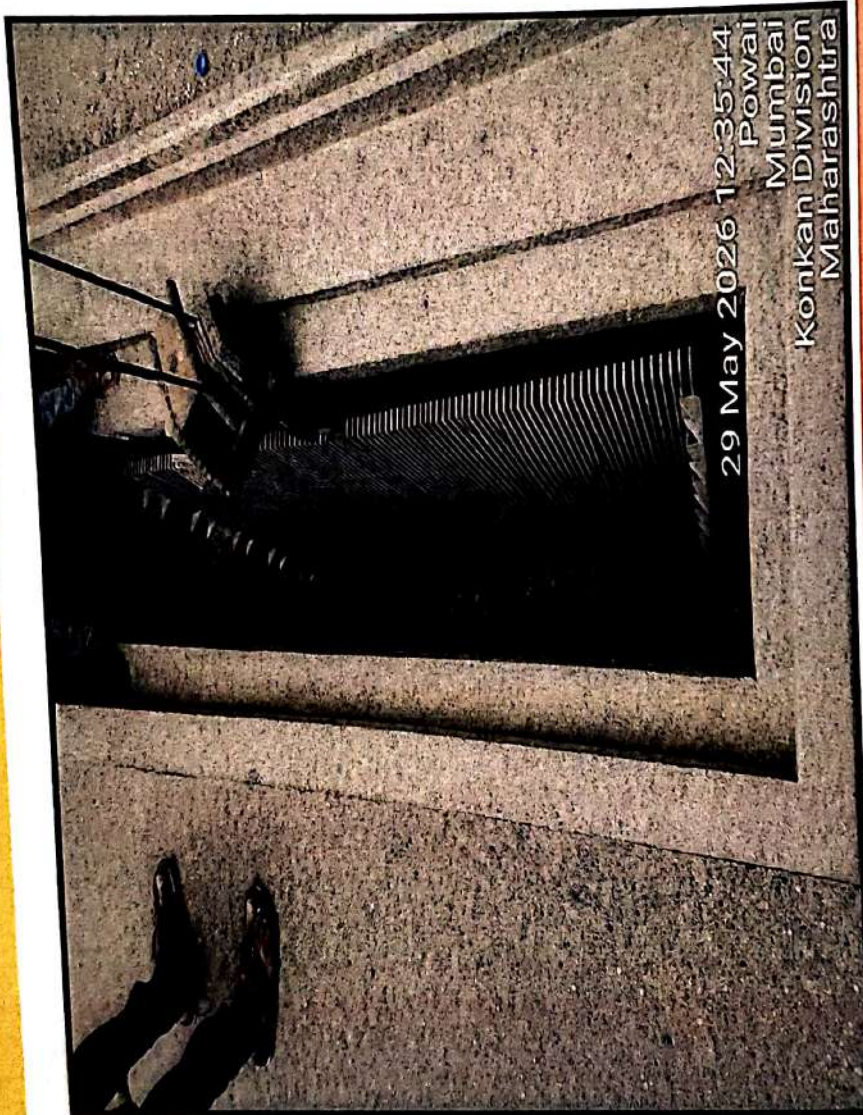
SS Manual Coarse Screen for Interceptor at Gate 13/14

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



SS Manual Coarse Screen for Interceptor at Gate 15/16

Name of Work: Providing & Laying of different dia pipe by open cut & HDD method along with interceptors for diversion of DWF along Powai Lake in S ward.



29 May 2026 12:35:44
Powai
Mumbai
Konkan Division
Maharashtra

SS Manual Coarse Screen for Interceptor at Gate 17/18



Search

सीची प्रदर्शित करण्याची मार्गदर्शक



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A A A A A

मराठी

Operation and non-comprehensive maintenance of pumpsets at Sonubhoir, kailas nagar pumping stations under AEWW(M)WS/N-II division.E tender Notice for 2026_MCGM_1314407_1.

14 July,
2026

Overhauling and Repair of existing rolling shutters with installation of ventilation grill to each shutter at Chlorine Plant M-III A, Panjrapur.Bid no. 2026_MCGM_1315071.

16 July,
2026

Repairs and Overhauling of 4 no's of Stage-II CG Make 3.3KVVCB's at Pise Pumping Station.Tender ID : 2026_MCGM_1315500_1.

17 July,
2026

Expression of interest for removal of hyacinth from Powai Lake and sustainable recycling / reuse of removed hyacinth.

24 July,
2026

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महानगरपालिका
ग्रामशासनाधिकार

जल अभियंता खाते E.E. HW/1030/WW
Date: 09/07/2026

स्वास्थ्य अभिव्यक्ती (EOI) सादर करण्याकरिता सूचना

बृहन्मुंबई महानगरपालिका विनोदगंगापाठा सीएसआर (CSR) निधीच्या साहाय्याने, मुंबई महानगरपालिका कोणताही आर्थिक भार न टाकता, पर्वत शलायातील जलपाणी कचरापासून काढलेल्या जलपाणीचा शोधयत पुनर्वापर / पुनर्वसन करण्यासाठी स्वयंसेवी संस्था म्हणून काम करण्यास हक्क असलेल्या पात्र व नागरिक एकत्रासाठी, भागीदारी संस्था, खाजगी मर्यादित कंपनी आणि सार्वजनिक मर्यादित कंपनी यांच्याकडून स्वास्थ्य अभिव्यक्ती (Expression of Interest - EOI) मागविण्यात येत आहे.

स्वास्थ्य दर्शिकाचे निवेदन सादर करण्याची अंतिम तारीख 24.07.2026 रोजी सांझाकाळी 16:00 वाजेपर्यंत असून सविस्तर माहिती BMC संकेतस्थळावर उपलब्ध आहे: <http://portal.mcgm.gov.in>

PRO/783/ADV/2026-27

सही/-
कार्यकारी अभियंता
(प्रमुख कामे) जलकामे

प्रथमच घरी केलेले व नंतर अन्य पदार्थ खावे



mid day दि. 10/07/2026

Brihanmumbai Municipal Corporation
(Hydraulic Engineers Department)

E.E. HW/ 1030 / WW Date :- 09/07/2026

Expression of Interest (EOI)

Invitation for Expression of Interest (EOI) from the eligible and reputed Proprietary / Partnership Firms / Private Limited Companies / Public Limited Companies as Volunteer Agency for Expression of interest for removal of hyacinth from Powai Lake and sustainable recycling / reuse of removed hyacinth under H.E.'s department through CSR fund without any financial Commitment of the BMC

The detail is available on BMC portal <http://portal.mcgm.gov.in>. The date of EOI submission is 24.07.2026 upto 16:00 hours (IST) in the office of Executive Engineer (HW)WW, Municipal Water Works Yard, L. B. S. Marg, Near MTNL Office, Ghatkopar (west), Mumbai- 400 086.

Email address:- eehwes.he@mcgm.gov.in

Sd/-
Executive Engineer
(Head Works) Water Works

PRO / 783 / ADV / 2026-27
Fever? Act now, see your doctor for correct & complete treatment

उर्फ टाईम्स दि. 10/07/2026

BRIHANMUMBAI MUNICIPAL CORPORATION

(महानगरपालिका अभियंता खाते)

(आय आर)

2026/07/09 E.E. HW/ 1030 /WW

अभिधीनता (EOI) सादर करण्याकरिता सूचना

बृहन्मुंबई महानगरपालिका विनोदगंगापाठा सीएसआर (CSR) निधीच्या साहाय्याने, मुंबई महानगरपालिका कोणताही आर्थिक भार न टाकता, पर्वत शलायातील जलपाणी कचरापासून काढलेल्या जलपाणीचा शोधयत पुनर्वापर / पुनर्वसन करण्यासाठी स्वयंसेवी संस्था म्हणून काम करण्यास हक्क असलेल्या पात्र व नागरिक एकत्रासाठी, भागीदारी संस्था, खाजगी मर्यादित कंपनी आणि सार्वजनिक मर्यादित कंपनी यांच्याकडून स्वास्थ्य अभिव्यक्ती (Expression of Interest - EOI) मागविण्यात येत आहे.

स्वास्थ्य दर्शिकाचे निवेदन सादर करण्याची अंतिम तारीख 24.07.2026 रोजी सांझाकाळी 16:00 वाजेपर्यंत असून सविस्तर माहिती BMC संकेतस्थळावर उपलब्ध आहे: <http://portal.mcgm.gov.in>

PRO/783/ADV/2026-27

सही/-
कार्यकारी अभियंता
(प्रमुख कामे) जलकामे

बृहन्मुंबई महानगरपालिका
(जल अभियंता विभाग)

ई.ई. एचडब्ल्यू/1030/डब्ल्यूडब्ल्यू दिनांक :- 09.07.2026

अभिरुचि की अभिव्यक्ति (ईओआई)

"बीएमसी की किसी भी वित्तीय प्रतिबद्धता के बिना सीएमआर फंड के माध्यम से ज.अभि. विभाग के अंतर्गत पवई झील से जलकुंभी निकालने और निकासी पवई जलकुंभी के टिकाऊ पुनर्चक्रण/पुनः उपयोग हेतु अभिरुचि की अभिव्यक्ति के लिए स्वयंसेवक एजेंसी के रूप में पात्र और प्रतिष्ठित स्वामित्व/भागीदारी फर्मों/ प्राइवेट लिमिटेड कंपनियों/पब्लिक लिमिटेड कंपनियों से अभिरुचि की अभिव्यक्ति (ईओआई) हेतु आमंत्रण"

विवरण बीएमसी पोर्टल <http://portal.mcgm.gov.in> पर उपलब्ध है। ईओआई जमा करने की तिथि 24.07.2026 को 16:00 बजे (आईएसटी) तक कार्यकारी अभियंता (एचडब्ल्यू) डब्ल्यूडब्ल्यू, म्युनिसिपल वॉटर वर्क्स यार्ड, एल. बी. एस. मार्ग, एमटीएनएल कार्यालय के पास, चाटकोपर (पश्चिम), मुंबई- 400 086 के कार्यालय में है।

ईमेल पता :- eehwwwes.he@mcgm.gov.in

हस्ता./-
कार्यकारी अभियंता
(हेड वर्क्स) वॉटर वर्क्स

पीआरओ/783/विज्ञा./2026-27

जहां- जहां पानी जमता है, वहां- वहां मच्छरों का साम्राज्य पनपता है



मुंबई समाचार दि. 10/07/2026.

PUBLIC NOTICE पब्लिक नोटिस

BRIHANMUMBAI MAHANAGARPALIKA

(सार्वजनिक ऐन्जिनियरिंग विभाग)

E.E. HW/1030/WW तारीख: 06/09/2026

क्षितनी अभिव्यक्ति (EOI)

"BMCના કોઈપણ નાણાકીય જવાબદારી લીધા વિના CSR ફંડ દ્વારા H.E.ના વિભાગ હેઠળ જલપૂર્ણ દૂર કરવાના ટકાઉ રીતે રિસાયક્લિંગ/ પુનઃ ઉપયોગ કરવા અને પવઈ તળાવમાંથી જલપૂર્ણને દૂર કરવા માટે ક્ષિતની અભિવ્યક્તિ માટે સ્વયંસેવક સંસ્થા તરીકે લાયક અને પ્રતિષ્ઠિત પ્રોપાઈટર/ ભાગીદારી પેઢીઓ/ પ્રાઈવેટ લિમિટેડ કંપનીઓ/ પબ્લિક લિમિટેડ કંપનીઓ પાસેથી ક્ષિતની અભિવ્યક્તિ (EOI) માટેનું આમંત્રણ."

વિગતવાર માહિતી BMCના પોર્ટલ <http://portal.mcgm.gov.in> પર ઉપલબ્ધ છે. EOI સુમત કરવાની તારીખ એલિક્ટ્રીયુટિવ એન્જિનિયર (HW) WW, મ્યુનિસિપલ વોટર વર્ક્સ યાર્ડ, L.B.S. માર્ગ, MTNL ઓફિસ પાસે, ચાટકોપર (પશ્ચિમ), મુંબઈ-400086ની ઓફિસમાં ૨૪.૦૭.૨૦૨૬ના ૧૬.૦૦ કઃ. સુધી (IST) છે.

ઈમેલ સરનામું: eehwwwes.he@mcgm.gov.in

મહી/-
એલિક્ટ્રીયુટિવ એન્જિનિયર
(હેડ વર્ક્સ) વોટર વર્ક્સ

PRO/783/ADV/2026-27

પાછી બચાવો, પાછીનો દુલ્લર ટાળો.



Installed signage boards in vernacular language at appropriate locations along Powai lake promenade





वृहन्मुंबई महानगरपालिका
नागरिकांसाठी सुचना

१. कृपया कचरा नजीकच्या कचराकुंडीत टाकावा.
२. सदर परिसर सीसीटीव्ही निगरानीखाली आहे.
३. तलाव परिसरात धुसपान करणे, मद्यपान करणे अथवा अमली पदार्थांचे सेवन करू नये व असे आढळल्यास कायदेशीर कार्यवाही करण्यात येईल.
४. उद्यान, तलाव परिसरात तसेच तलावात कोणत्याही प्रकारची पाण करू नये.
५. उद्यानात असम्य वर्तन करून इतरांना उपद्रव होईल असे वागू नये व असे आढळल्यास कायदेशीर कार्यवाही करण्यात येईल.

वृहन्मुंबई महानगरपालिका
नागरिकांसाठी सुचना

१. कृपया कचरा नजीकच्या कचराकुंडीत टाकावा.
२. सदर परिसर सीसीटीव्ही निगरानीखाली आहे.
३. कुपनावर किंवा उद्यानात कोठेही जहिरात/पोस्टर/कागडी पत्ताका इ. सावण्यास मनाई आहे.
४. उद्यानातील व तलाव परिसरातील हिरबळीवर/बाकांवर झोपण्यास व कोणतेही वाहने उद्यानात आपण्यास व फिरवण्यास सक्त मनाई आहे.

वृहन्मुंबई महानगरपालिका
नागरिकांसाठी सुचना

१. कृपया कचरा नजीकच्या कचराकुंडीत टाकावा.
२. उद्यानात फेरीवाले व फिरकोळ विक्रेते यांना येण्यास मनाई आहे.
३. तलाव व्हाठी बसलेल्या अभ्यागतांनी तलावात किंवा तलाव परिसरात कोणत्याही प्रकारच्या प्लास्टिकच्या पिशव्या, आवरणे, वेष्टणे तसेच निर्माण झालेल्या टाकू नये.
४. सदर परिसर सीसीटीव्ही निगरानीखाली आहे.

वृहन्मुंबई महानगरपालिका
नागरिकांसाठी सुचना

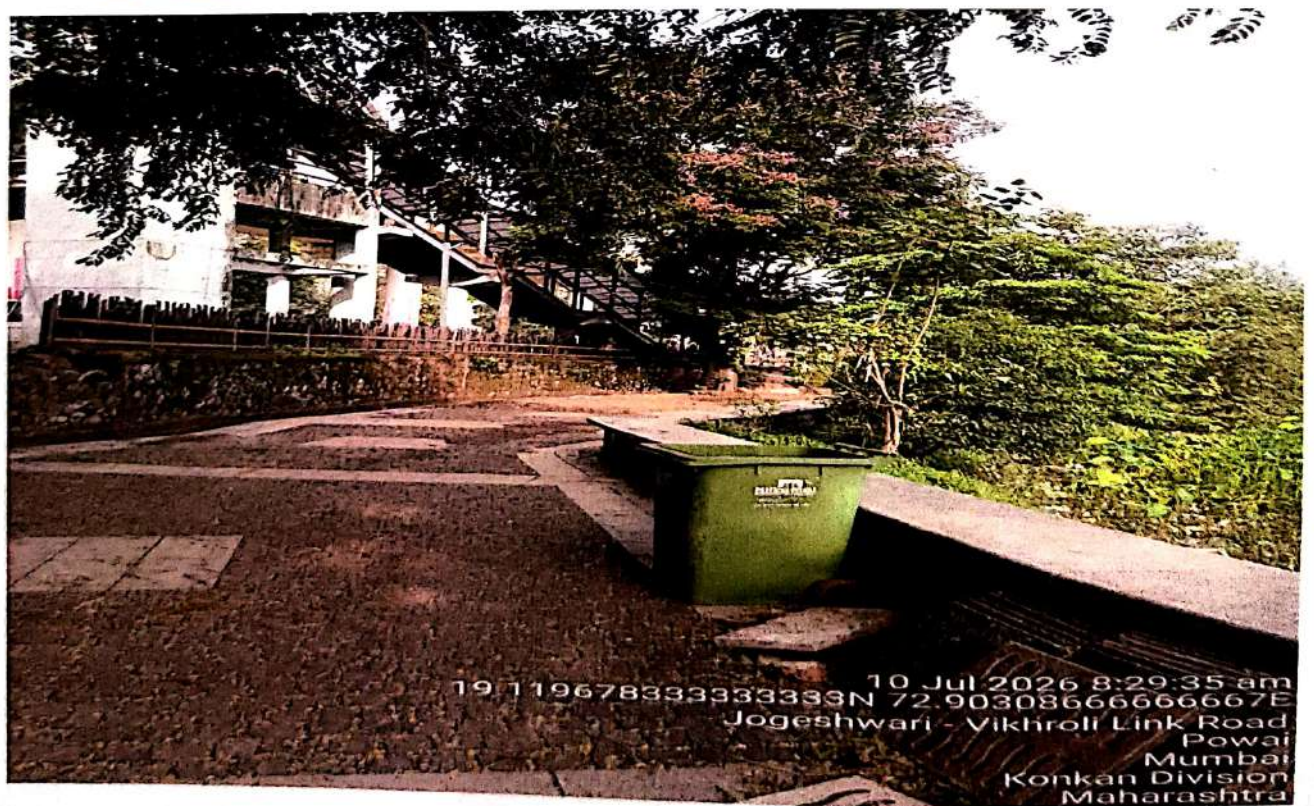
१. कृपया कचरा नजीकच्या कचराकुंडीत टाकावा.
२. सदर परिसर सीसीटीव्ही निगरानीखाली आहे.
३. उद्यानात असम्य वर्तन करून इतरांना उपद्रव होईल असे वागू नये व असे आढळल्यास कायदेशीर कार्यवाही करण्यात येईल.
४. तलाव परिसरात धुसपान करणे, मद्यपान करणे अथवा अमली पदार्थांचे सेवन करू नये व असे आढळल्यास कायदेशीर कार्यवाही करण्यात येईल.

वृहन्मुंबई महानगरपालिका
नागरिकांसाठी सुचना

१. कृपया कचरा नजीकच्या कचराकुंडीत टाकावा.
२. उद्यानाचा वापर इतरांना वापरकर्त्यांचा निमाल्जीपनामुळे कोणत्याही बंधनात घडल्यास त्याची सर्वस्वी जबाबदारी वापरकर्त्यांची असेल व वापरकर्ता सज्जन व सत्त्वात त्याच्या पात्रांशी असेल.
३. सुरक्षासक्रांटा वगैरे नियमांचे पालन होत आहे याची दजता येण्याचा पूर्ण यत्निसर आहे.
४. उद्यानात फेरीवाले व फिरकोळ विक्रेते यांना येण्यास मनाई आहे.



Installed dustbins for collection of waste material at appropriate locations along Powai lake promenade



Detailed activity register and inferred logic (Revised v2) - Part 1

Rows shaded orange are new Screen & Gate Installation finish-driver activities added in this revision.

Generated from uploaded schedule data (revised v2)

ID	Component / Activity	Start	Finish	Days	Pred.	Link
Perubag [FINISH DRIVER]						
A01	Preliminary Survey & Mobilization	21 Aug 2025	30 Sep 2025	40	-	Start
A02	Excavation for 300mm RCC line at Perubag Pumping Station	01 Oct 2025	10 Nov 2025	40	A01	FS
A03	Laying for Perubag Pumping - 300mm Line by Open Cut Method	05 Oct 2025	15 Nov 2025	41	A02	SS
A04	Construction of Robohole at Perubag Pumping	10 Nov 2025	25 Nov 2025	15	A03	SS
A05	Install 2 Perubag pumping Interceptor diversions	26 Nov 2025	20 Dec 2025	24	A04	FS
A06	Reinstatement & Site Cleanup	21 Dec 2025	31 Dec 2025	10	A05	FS
A26	Screen & Gate Installation	25 Jul 2026	30 Sep 2026	68	A06	FS
Gate 1-14 [FINISH DRIVER]						
A07	Excavation for Entry & Exit Pits	29 Oct 2025	10 Apr 2026	163	-	Start
A08	Laying of Sewer Line by HDD	04 Dec 2025	30 Apr 2026	147	A07	SS
A09	Construction of SRH / RH	01 Jan 2026	15 Sep 2026	257	A08	SS
A10	Construction of 9 Interceptor Diversions and Installation of Gate	15 Jul 2026	15 Sep 2026	62	A09	SS
A11	Reinstatement & Site Cleanup	16 Sep 2026	30 Sep 2026	14	A10	FS
A27	Screen & Gate Installation	25 Jul 2026	30 Sep 2026	68	A10	SS
Gate 15-18 [FINISH DRIVER]						
A12	Excavation for Entry & Exit Pits	22 Nov 2025	20 Apr 2026	149	-	Start
A13	Laying of Sewer Line by HDD	27 Nov 2025	30 Apr 2026	154	A12	SS
A14	Construction of SRH / RH	10 Dec 2025	15 Sep 2026	279	A13	SS
A15	Construction of 1 Interceptor Diversions and Installation of Gate	16 Aug 2026	15 Sep 2026	30	A14	SS
A16	Reinstatement & Site Cleanup	16 Sep 2026	30 Sep 2026	14	A15	FS
A28	Screen & Gate Installation	25 Jul 2026	30 Sep 2026	68	A15	SS



Generated from uploaded schedule data (revised v2)



SP Sept

Detailed activity register and inferred logic (Revised v2) - Part 2

Generated from uploaded schedule data (revised v2)

Rows shaded orange are new Screen & Gate Installation finish-driver activities added in this revision.

ID	Component / Activity	Start	Finish	Days	Pred.	Link
IIT-B [FINISH DRIVER]						
A17	Excavation for Pit IIT-B	01 Mar 2026	10 Apr 2026	40	-	Start
A18	Laying of Sewer Line by Pipe Jacking	05 Apr 2026	15 Apr 2026	10	A17	SS
A19	Construction of SRH / RH	10 Apr 2026	15 Apr 2026	5	A18	SS
A20	Construction of 1 Interceptor Diversions and Installation of Gate	10 Apr 2026	15 May 2026	35	A19	SS
A21	Reinstatement & Site Cleanup	16 Apr 2026	30 Apr 2026	14	A20	SS
A29	Screen & Gate Installation	25 Jul 2026	30 Sep 2026	68	A21	FS
Gate 17/18 to Proposed STP [FINISH DRIVER]						
A22	Excavation for Entry & Exit Pits	16 Jul 2026	31 Aug 2026	46	-	Start
A23	Laying of Sewer Line by HDD	06 Aug 2026	15 Sep 2026	40	A22	SS
A24	Construction of SRH / RH	21 Aug 2026	20 Sep 2026	30	A23	SS
A25	Reinstatement & Site Cleanup	16 Sep 2026	30 Sep 2026	14	A24	SS
A30	Screen & Gate Installation	25 Jul 2026	30 Sep 2026	68	A22	SS



Generated from uploaded schedule data (revised v2)

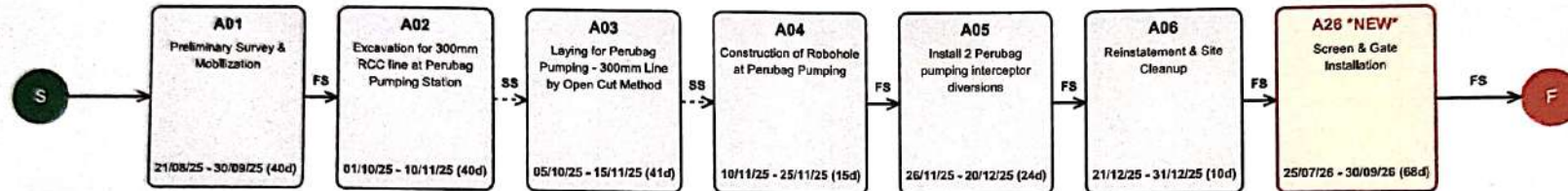
PERT Logic Network by Component (Revised v2)

Solid = finish-to-start (FS) | Dashed = start-to-start fast-track (SS) | Red outline = new Screen & Gate Installation activity

Generated from uploaded schedule data (revised v2)

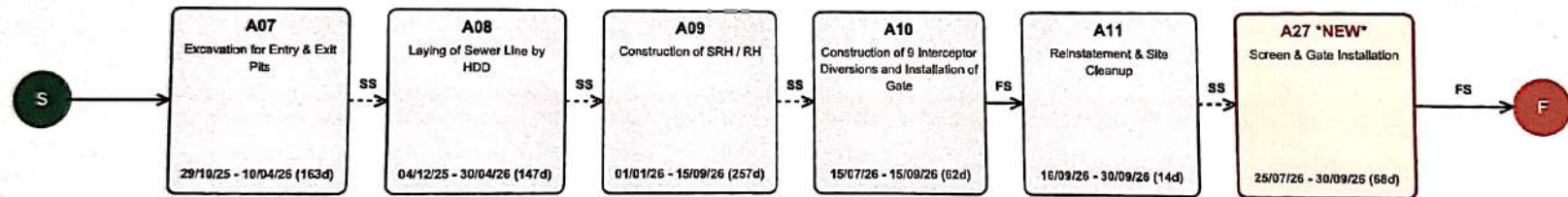
Perubag [FINISH DRIVER]

Window: 21 Aug 2025 - 30 Sep 2026 | Activities: 7



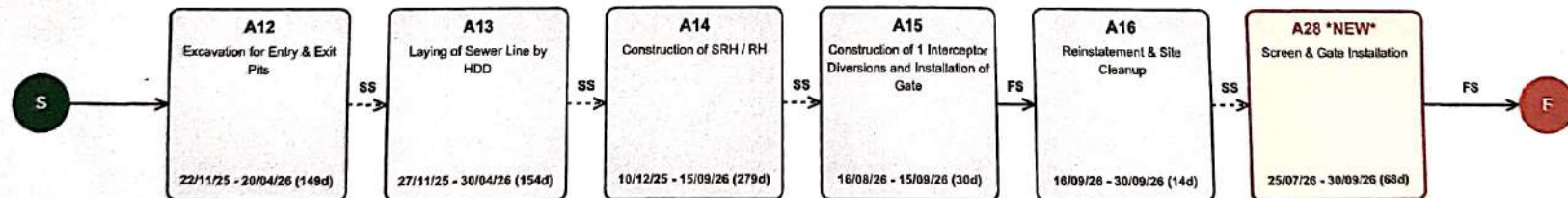
Gate 1-14 [FINISH DRIVER]

Window: 29 Oct 2025 - 30 Sep 2026 | Activities: 6



Gate 15-18 [FINISH DRIVER]

Window: 22 Nov 2025 - 30 Sep 2026 | Activities: 6



Logic is inferred from listed activity order. Solid arrows = finish-to-start; dashed arrows = SS fast-tracked overlap. Boxes outlined in red with *NEW* are the Screen & Gate Installation finish-driver activities added in this revision.

Appendix 6

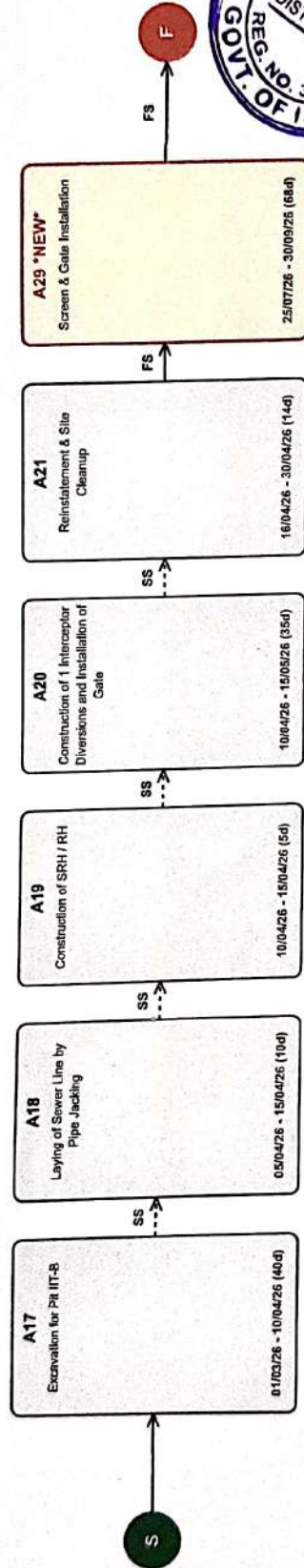
PERT Logic Network by Component (Revised v2)

Solid = finish-to-start (FS) | Dashed = start-to-start fast-track (SS) | Red outline = new Screen & Gate Installation activity

Generated from uploaded schedule data (revised v2)

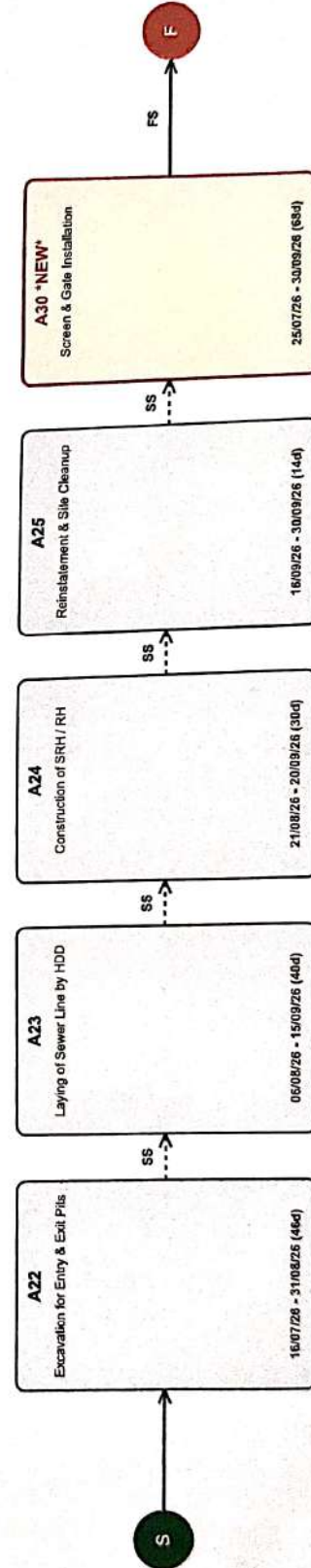
IT-B [FINISH DRIVER]

Window: 01 Mar 2026 - 30 Sep 2026 | Activities: 6



Gate 17/18 to Proposed STP [FINISH DRIVER]

Window: 16 Jul 2026 - 30 Sep 2026 | Activities: 5



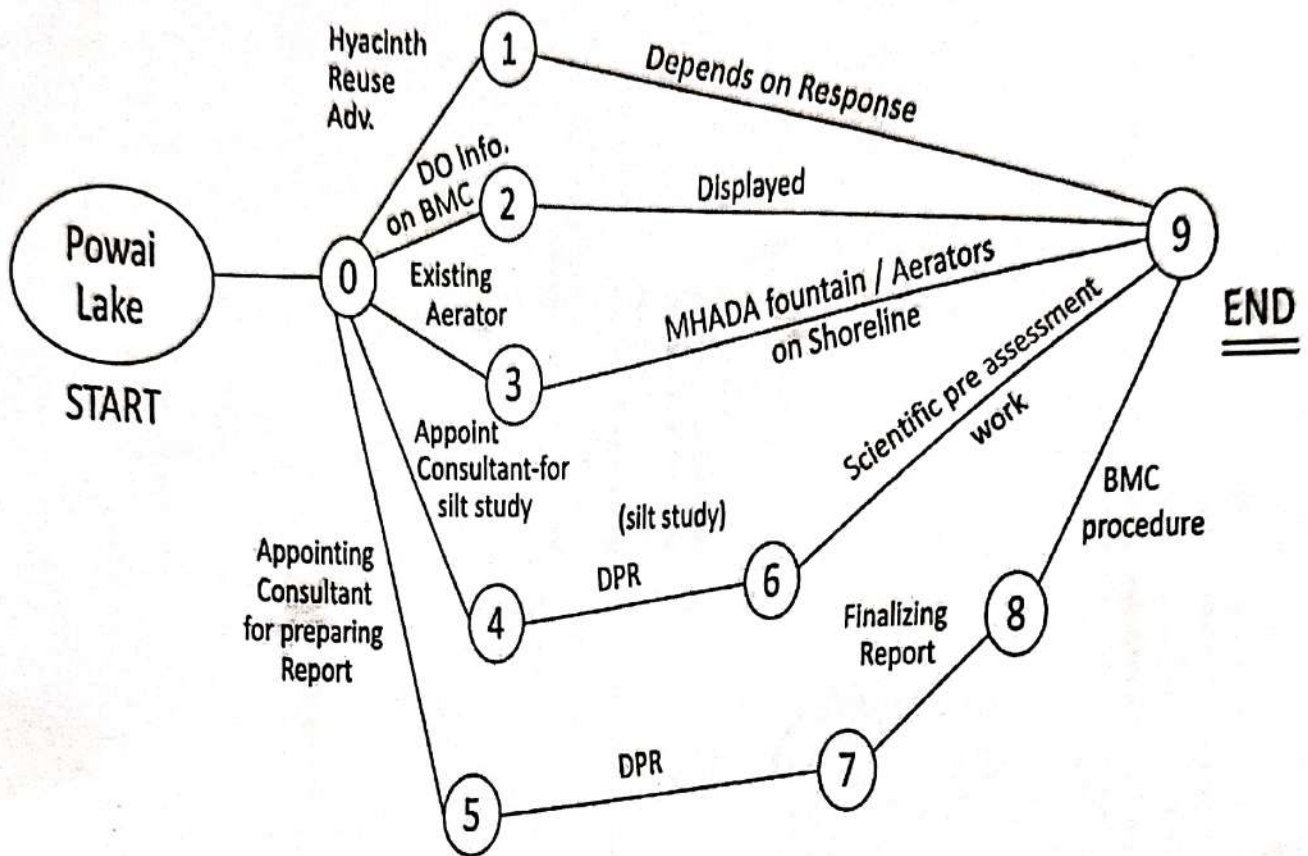
Logic is inferred from listed activity order. Solid arrows = finish-to-start, dashed arrows = SS fast-tracked overlap. Boxes outlined in red with *NEW* are the Screen & Gate Installation finish-driver activities added in this revision.

Bars show scheduled activity windows on a monthly calendar scale, 21 Aug 2025 - 30 Sep 2026. New Screen & Gate Installation activities (25 Jul 2026 630d56ap.2.026) and related activities (25 Jul 2026 630d56ap.2.026) are scheduled to occur on the same day.



Orange-shaded months = monsoon dry-day working window (Jun-Sep 2026). Red bars = new Screen & Gate Installation finish-driver activities, 25 Jul 2026 - 30 Sep 2026, present in every component.

Pert chart of HE Department
NGT Recommendation Sr No – 2, 4, 5, 8, 13



Details

- 1) PATH 0-1-9 = 06 Months
- 2) PATH 0-2-9 = Completed
- 3) PATH 0-3-9 = 06 Months
- 4) PATH 0-4-6-9 = 16 Months
- 5) PATH 0-5-7-8-9 = 06 Months



Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	Mumbai 215MLD Sewage Disposal Project Stage II - Bhandup WwTF	1685.5 days	13-07-22	22-02-27																												
2	Project Milestones	1184 days	23-11-23	18-02-27																												
3	Finalization of all licenses and consents for the construction of the Works	0 days	08-06-26	08-06-26																												
4	Completion of design	0 days	08-05-26	08-05-26																												
5	Demolition of existing structures	0 days	18-02-27	18-02-27																												
6	Diversion of sewer mains and other utilities	0 days	02-10-26	02-10-26																												
7	Arranging Power supply for WwTF	0 days	10-06-26	10-06-26																												
8	Construction of Preliminary Treatment Units	0 days	27-02-26	27-02-26																												
9	Transfer of flows to the new Works	0 days	23-06-26	23-06-26																												
10	Construction of balance treatment plant units	0 days	10-05-26	10-05-26																												
11	Ordering and importation of major equipment (Delivery of Decanter)	0 days	23-11-23	23-11-23																												
12	Erection, Testing and Commissioning of equipment and plant	0 days	22-08-26	22-08-26																												
13	Tests on Completion of Design-Build	0 days	22-08-26	22-08-26																												
14	Issue of Commissioning Certificate	0 days	22-08-26	22-08-26																												
15	General & Enablement	41 days	13-07-22	23-08-22																												
16	Letter of Acceptance	0 days	13-07-22	13-07-22																												
17	Commencement Date	0 days	23-08-22	23-08-22																												
18	Mobilization & General Site Works	473.5 days	28-12-24	15-04-26																												
19	Clearances & Permissions	365 days	28-12-24	15-04-26																												
20	Consent to Operate New Plant	365 days	28-12-24	15-04-26																												
21	NOC from Explosives for Tonners Storage	365 days	28-12-24	15-04-26																												
22	NOC from Fire Officer	365 days	28-12-24	15-04-26																												
23	Permission for Sludge/Solid waste from BMC	365 days	28-12-24	15-04-26																												
24	Permission from MSEB for Transformer Charging	180 days	06-09-25	09-04-26																												
25	Price Schedule A1.2 - Design	292 days	03-07-25	22-08-26																												
26	Process, Hydraulic, Civil, Structural, and Building Works Design and Construction Drawings	292 days	03-07-25	22-08-26																												
27	Approval of Basic Engineering Package (Civil & MEI)	128 days	24-02-26	22-08-26																												
28	Approval of Process design (Civil & MEI)	128 days	24-02-26	22-08-26																												
29	On Code A Approval	21 days	22-05-26	19-06-26																												
30	After commissioning	180 days	24-02-26	22-08-26																												
31	Approval of hydraulic design and HFD (Civil & ME)	128 days	24-02-26	22-08-26																												
32	On Code A Approval	21 days	22-05-26	19-06-26																												
33	After commissioning	180 days	24-02-26	22-08-26																												
34	Approval of Plant layout (Civil & MEI)	128 days	24-02-26	22-08-26																												
35	On Code A Approval	21 days	22-05-26	19-06-26																												



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Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
36	After commissioning	180 days	24-02-26	22-08-26																												
37	Approval of P&ID (MEI)	128 days	24-02-26	22-08-26																												
38	On Code A Approval	21 days	22-05-26	19-06-26																												
39	After commissioning	180 days	24-02-26	22-08-26																												
40	Approval of Mechanical GA /Architectural Drawings (Civil & MEI)	292 days	03-07-25	22-08-26																												
41	Inlet Chamber, Bypass chamber, Fine Screen channels, Grit Distribution Chamber, Vortex Grit Chamber (MEI)	128 days	24-02-26	22-08-26																												
42	On Code A Approval	21 days	22-05-26	19-06-26																												
43	After commissioning	180 days	24-02-26	22-08-26																												
44	Primary Clarifier Distribution chamber, Primary Clarifier & Outlet channel (MEI)	128 days	24-02-26	22-08-26																												
45	On Code A Approval	21 days	22-05-26	19-06-26																												
46	After commissioning	180 days	24-02-26	22-08-26																												
47	CSBR Tanks & Outlet Channel (MEI)	128 days	24-02-26	22-08-26																												
48	On Code A Approval	21 days	22-05-26	19-06-26																												
49	After commissioning	180 days	24-02-26	22-08-26																												
50	CCT (Disposal), Disk filtration tanks & channels, CCT (Reuse), Parshall flume & Chambers (MEI)	128 days	24-02-26	22-08-26																												
51	On Code A Approval	21 days	22-05-26	19-06-26																												
52	After commissioning	180 days	24-02-26	22-08-26																												
53	Primary sludge sump, Secondary sludge sump, Blended thickened sludge sump & Dewatering Building (MEI)	128 days	24-02-26	22-08-26																												
54	On Code A Approval	21 days	22-05-26	19-06-26																												
55	After commissioning	180 days	24-02-26	22-08-26																												
56	Anaerobic Sludge Digesters	128 days	24-02-26	22-08-26																												
57	On Code A Approval	21 days	22-05-26	19-06-26																												
58	After commissioning	180 days	24-02-26	22-08-26																												
59	Gas holder, Sludge shed (MEI)	292 days	03-07-25	22-08-26																												
60	On submission	7 days	03-07-25	11-07-25																												
61	On Code B Approval	21 days	14-07-25	11-08-25																												
62	On Code A Approval	21 days	22-05-26	19-06-26																												
63	After commissioning	180 days	24-02-26	22-08-26																												
64	Administrative Building Cum Laboratory Cum Control Room & Parking area (Civil)	128 days	24-02-26	22-08-26																												
65	On Code A Approval	21 days	22-05-26	19-06-26																												
66	After commissioning	180 days	24-02-26	22-08-26																												
67	CSBR Air Blower Room / MCC Building (Civil & MEI)	128 days	24-02-26	22-08-26																												



Rev-01
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Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
Page 2

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
68	On Code A Approval	21 days	22-05-26	19-06-26																												
69	After commissioning	180 days	24-02-26	22-08-26																												
70	Gas Engine Building (Civil & MEI)	128 days	24-02-26	22-08-26																												
71	On Code A Approval	21 days	22-05-26	19-06-26																												
72	After commissioning	180 days	24-02-26	22-08-26																												
73	Chlorination & tonner room (Civil & MEI)	128 days	24-02-26	22-08-26																												
74	On Code A Approval	21 days	22-05-26	19-06-26																												
75	After commissioning	180 days	24-02-26	22-08-26																												
76	Scrubber & Gas blower room, Flare area (MEI)	264 days	12-08-25	22-08-26																												
77	On submission	7 days	12-08-25	21-08-25																												
78	On Code B Approval	21 days	22-08-25	22-09-25																												
79	On Code A Approval	21 days	22-05-26	19-06-26																												
80	After commissioning	180 days	24-02-26	22-08-26																												
81	Chemical dosing area & Workshop (Civil & MEI)	128 days	24-02-26	22-08-26																												
82	On Code A Approval	21 days	22-05-26	19-06-26																												
83	After commissioning	180 days	24-02-26	22-08-26																												
84	Main Electrical substation (Civil & MEI)	128 days	24-02-26	22-08-26																												
85	On Code A Approval	21 days	22-05-26	19-06-26																												
86	After commissioning	180 days	24-02-26	22-08-26																												
87	LT/HT Panel room/Gas Flaring system (Civil & MEI)	292 days	03-07-25	22-08-26																												
88	On Code B Approval	7 days	03-07-25	11-07-25																												
89	On Code A Approval	21 days	22-05-26	19-06-26																												
90	After commissioning	180 days	24-02-26	22-08-26																												
91	Transformer yard & Metering room (Civil & MEI)	292 days	03-07-25	22-08-26																												
92	On Code B Approval	7 days	03-07-25	11-07-25																												
93	On Code A Approval	21 days	22-05-26	19-06-26																												
94	After commissioning	180 days	24-02-26	22-08-26																												
95	Staff Quarter for Employer , Security Room (Civil)	128 days	24-02-26	22-08-26																												
96	On Code A Approval	21 days	22-05-26	19-06-26																												
97	After commissioning	180 days	24-02-26	22-08-26																												
98	Treated water tank (MEI)	128 days	24-02-26	22-08-26																												
99	On Code A Approval	21 days	22-05-26	19-06-26																												
100	After commissioning	180 days	24-02-26	22-08-26																												
101	Pile design & drawings	50 days	22-05-26	30-07-26																												
102	On submission	15 days	11-06-26	01-07-26																												
103	THP	15 days	11-06-26	01-07-26																												
104	On Code B Approval	21 days	02-07-26	30-07-26																												
105	THP	21 days	02-07-26	30-07-26																												
106	On Code A Approval	21 days	22-05-26	19-06-26																												
107	THP	21 days	22-05-26	19-06-26																												

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REG. NO. 36915
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A1.2.2.1-Pile design & drawings-On submission[1 LS]

A1.2.2.1-Pile design & drawings-On Code B Approva

A1.2.2.1-Pile design & drawings-On Code A Approval[1



A1.2.2.1-Pile design & drawings-On submission[1 LS]
A1.2.2.1-Pile design & drawings-On Code B Approval
A1.2.2.1-Pile design & drawings-On Code A Approval[1]

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Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
Page 3

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
108	Approval of Structural Drawings	257 days	22-08-25	22-08-26																												
109	Inlet Chamber, Bypass chamber, Fine Screen channels, Grit Distribution Chamber, Vortex Grit Chamber	128 days	24-02-26	22-08-26																												
110	On Code A Approval	21 days	22-05-26	19-06-26																												
111	After commissioning	180 days	24-02-26	22-08-26																												
112	Primary Clarifier Distribution chamber, Primary Clarifier & Outlet channel	128 days	24-02-26	22-08-26																												
113	On Code A Approval	21 days	22-05-26	19-06-26																												
114	After commissioning	180 days	24-02-26	22-08-26																												
115	CSBR Tanks & Outlet Channel	128 days	24-02-26	22-08-26																												
116	On Code A Approval	21 days	22-05-26	19-06-26																												
117	After commissioning	180 days	24-02-26	22-08-26																												
118	CCT (Disposal), Disk filtration tanks & channels, CCT (Reuse), Parshall flume & Chambers	128 days	24-02-26	22-08-26																												
119	On Code A Approval	21 days	22-05-26	19-06-26																												
120	After commissioning	180 days	24-02-26	22-08-26																												
121	Primary sludge sump, Secondary sludge sump, Blended thickened sludge sump & Dewatering Building	128 days	24-02-26	22-08-26																												
122	On Code A Approval	21 days	22-05-26	19-06-26																												
123	After commissioning	180 days	24-02-26	22-08-26																												
124	Anaerobic Sludge Digesters	128 days	24-02-26	22-08-26																												
125	On Code A Approval	21 days	22-05-26	19-06-26																												
126	After commissioning	180 days	24-02-26	22-08-26																												
127	Gas holder, Sludge shed	257 days	22-08-25	22-08-26																												
128	On submission	15 days	22-08-25	11-09-25																												
129	On Code B Approval	21 days	12-09-25	13-10-25																												
130	On Code A Approval	21 days	22-05-26	19-06-26																												
131	After commissioning	180 days	24-02-26	22-08-26																												
132	Administrative Building Cum Laboratory Cum Control Room & Parking area	128 days	24-02-26	22-08-26																												
133	On Code A Approval	21 days	22-05-26	19-06-26																												
134	After commissioning	180 days	24-02-26	22-08-26																												
135	CSBR Air Blower Room / MCC Building	128 days	24-02-26	22-08-26																												
136	On Code A Approval	21 days	22-05-26	19-06-26																												
137	After commissioning	180 days	24-02-26	22-08-26																												
138	Gas Engine Building	128 days	24-02-26	22-08-26																												
139	On Code A Approval	21 days	22-05-26	19-06-26																												
140	After commissioning	180 days	24-02-26	22-08-26																												

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DIST. MUMBAI
REG. NO. 5169
GOVT. OF INDIA

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Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline		
Milestone	Inactive Task	Manual Summary Rollup	Critical		
Summary	Inactive Milestone	Manual Summary	Critical Split		
Project Summary	Inactive Summary	Start-only	Progress		

Project Schedule dates are subject to Engineering and Design and actual progress,
Page 4

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
141	Chlorination & tonner room	128 days	24-02-26	22-08-26																												
142	On Code A Approval	21 days	22-05-26	19-06-26																												
143	After commissioning	180 days	24-02-26	22-08-26																												
144	Scrubber & Gas blower room, Flare area	229 days	02-10-25	22-08-26																												
145	On submission	7 days	02-10-25	10-10-25																												
146	On Code B Approval	21 days	13-10-25	11-11-25																												
147	On Code A Approval	21 days	22-05-26	19-06-26																												
148	After commissioning	180 days	24-02-26	22-08-26																												
149	Chemical dosing area & Workshop	128 days	24-02-26	22-08-26																												
150	On Code A Approval	45 days	22-05-26	23-07-26																												
151	After commissioning	180 days	24-02-26	22-08-26																												
152	Main Electrical substation	128 days	24-02-26	22-08-26																												
153	On Code A Approval	21 days	22-05-26	19-06-26																												
154	After commissioning	180 days	24-02-26	22-08-26																												
155	LT/HT Panel room/Gas Flaring system	128 days	24-02-26	22-08-26																												
156	On Code A Approval	12 days	22-05-26	08-06-26																												
157	After commissioning	180 days	24-02-26	22-08-26																												
158	Transformer yard & Metering room	128 days	24-02-26	22-08-26																												
159	On Code A Approval	21 days	22-05-26	19-06-26																												
160	After commissioning	180 days	24-02-26	22-08-26																												
161	Staff Quarter for Employer , Security Room	128 days	24-02-26	22-08-26																												
162	On Code A Approval	21 days	22-05-26	19-06-26																												
163	After commissioning	180 days	24-02-26	22-08-26																												
164	Treated water tank	128 days	24-02-26	22-08-26																												
165	On Code A Approval	21 days	22-05-26	19-06-26																												
166	After commissioning	180 days	24-02-26	22-08-26																												
167	Approval of Design / Drawings of Boundary wall, Roads, SWD etc.	274 days	29-07-25	22-08-26																												
168	On submission	7 days	29-07-25	06-08-25																												
169	On Code B Approval	21 days	07-08-25	05-09-25																												
170	On Code A Approval	21 days	22-05-26	19-06-26																												
171	After commissioning	180 days	24-02-26	22-08-26																												
172	Mechanical and Electrical Design, Drawings and Sched	272 days	31-07-25	22-08-26																												
173	Approval of Design & Drawings	272 days	31-07-25	22-08-26																												
174	Inlet Chamber, Bypass chamber, Fine Screen channels, Grit Distribution Chamber, Vortex Grit Chamber	128 days	24-02-26	22-08-26																												
175	After commissioning	180 days	24-02-26	22-08-26																												
176	Primary Clarifier Distribution chamber, Primary Clarifier & Outlet channel	128 days	24-02-26	22-08-26																												



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Task	External Tasks
Split	External Milestone
Milestone	Inactive Task
Summary	Inactive Milestone
Project Summary	Inactive Summary

Manual Task	Manual Task
Duration-only	Manual Summary Rollup
Manual Summary	Manual Summary
Start-only	Manual Summary

Finish-only	Critical
Deadline	Critical Split
Progress	Progress

Manual Progress

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
177	After commissioning	180 days	24-02-26	22-08-26																												
178	CSBR Tanks & Outlet Channel	128 days	24-02-26	22-08-26																												
179	After commissioning	180 days	24-02-26	22-08-26																												
180	CCT (Disposal), Disk filtration tanks & channels, CCT (Reuse), Parshall flume & Chambers	128 days	24-02-26	22-08-26																												
181	After commissioning	180 days	24-02-26	22-08-26																												
182	Primary sludge sump, Secondary sludge sump, Blended thickened sludge sump & Dewatering Building	128 days	24-02-26	22-08-26																												
183	After commissioning	180 days	24-02-26	22-08-26																												
184	Anaerobic Sludge Digesters	180 days	12-12-25	22-08-26																												
185	After commissioning	180 days	12-12-25	22-08-26																												
186	Gas holder, Sludge shed	262 days	14-08-25	22-08-26																												
187	On submission	7 days	14-08-25	25-08-25																												
188	On Code B Approval	14 days	26-08-25	12-09-25																												
189	On Code A Approval	21 days	22-05-26	19-06-26																												
190	After commissioning	180 days	24-02-26	22-08-26																												
191	CSBR Air Blower Room / MCC Building	128 days	24-02-26	22-08-26																												
192	On Code A Approval	21 days	22-05-26	19-06-26																												
193	After commissioning	180 days	24-02-26	22-08-26																												
194	Gas Engine Building	234 days	25-09-25	22-08-26																												
195	On submission	14 days	25-09-25	14-10-25																												
196	On Code B Approval	30 days	15-10-25	27-11-25																												
197	On Code A Approval	21 days	22-05-26	19-06-26																												
198	After commissioning	180 days	24-02-26	22-08-26																												
199	Chlorination & tonner room	128 days	24-02-26	22-08-26																												
200	After commissioning	180 days	24-02-26	22-08-26																												
201	Scrubber & Gas blower room, Flare area	236 days	23-09-25	22-08-26																												
202	On submission	30 days	23-09-25	04-11-25																												
203	On Code B Approval	45 days	05-11-25	07-01-26																												
204	On Code A Approval	21 days	22-05-26	19-06-26																												
205	After commissioning	180 days	24-02-26	22-08-26																												
206	Chemical dosing area & Workshop	128 days	24-02-26	22-08-26																												
207	After commissioning	180 days	24-02-26	22-08-26																												
208	Main Electrical substation	128 days	24-02-26	22-08-26																												
209	On Code A Approval	21 days	22-05-26	19-06-26																												
210	After commissioning	180 days	24-02-26	22-08-26																												
211	Gas Flaring system	249 days	03-09-25	22-08-26																												
212	On submission	7 days	03-09-25	11-09-25																												
213	On Code B Approval	21 days	12-09-25	13-10-25																												



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Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
214	On Code A Approval	21 days	22-05-26	19-06-26																												
215	After commissioning	180 days	24-02-26	22-08-26																												
216	THP	272 days	31-07-25	22-08-26																												
217	On submission	30 days	31-07-25	11-09-25																												
218	On Code B Approval	45 days	12-09-25	18-11-25																												
219	On Code A Approval	21 days	22-05-26	19-06-26																												
220	After commissioning	180 days	24-02-26	22-08-26																												
221	Staff Quarter for Employer, Security Room	128 days	24-02-26	22-08-26																												
222	On Code A Approval	21 days	22-05-26	19-06-26																												
223	After commissioning	180 days	24-02-26	22-08-26																												
224	Area/Campus Lightening	128 days	24-02-26	22-08-26																												
225	On Code A Approval	21 days	22-05-26	19-06-26																												
226	After commissioning	180 days	24-02-26	22-08-26																												
227	Treated water tank	128 days	24-02-26	22-08-26																												
228	On Code A Approval	21 days	22-05-26	19-06-26																												
229	After commissioning	180 days	24-02-26	22-08-26																												
230	Control, Instrumentation and Automation, Design, Drawings, Schedules, Documents	283 days	16-07-25	22-08-26																												
231	Approval of Design & Drawings	283 days	16-07-25	22-08-26																												
232	PLC System Architecture	128 days	24-02-26	22-08-26																												
233	On Code A Approval	21 days	22-05-26	19-06-26																												
234	After commissioning	180 days	24-02-26	22-08-26																												
235	Plant Control Philosophy	128 days	24-02-26	22-08-26																												
236	On Code A Approval	21 days	22-05-26	19-06-26																												
237	After commissioning	180 days	24-02-26	22-08-26																												
238	Main PLC I/O Schedule (I/O List)	283 days	16-07-25	22-08-26																												
239	On submission	7 days	16-07-25	24-07-25																												
240	On Code B Approval	21 days	25-07-25	25-08-25																												
241	On Code A Approval	21 days	22-05-26	19-06-26																												
242	After commissioning	180 days	24-02-26	22-08-26																												
243	Instrument Schedule	255 days	26-08-25	22-08-26																												
244	On Code B Approval	7 days	26-08-25	03-09-25																												
245	On Code A Approval	45 days	10-11-25	12-01-26																												
246	After commissioning	180 days	24-02-26	22-08-26																												
247	Main PLC Panel Document (GAD, BOM & Wiring Diagram)	266 days	08-08-25	22-08-26																												
248	On submission	7 days	08-08-25	19-08-25																												
249	On Code B Approval	21 days	20-08-25	18-09-25																												
250	On Code A Approval	21 days	19-09-25	17-10-25																												
251	After commissioning	180 days	24-02-26	22-08-26																												



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Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
252	RIO Panel Document (GAD, BOM & Wiring Diagram)	249 days	03-09-25	22-08-26																												
253	On submission	7 days	03-09-25	11-09-25																												
254	On Code B Approval	21 days	12-09-25	13-10-25																												
255	On Code A Approval	14 days	14-10-25	03-11-25																												
256	After commissioning	180 days	24-02-26	22-08-26																												
257	CSBR PLC Panel Document (GAD, BOM & Wiring Diagram)	128 days	24-02-26	22-08-26																												
258	After commissioning	180 days	24-02-26	22-08-26																												
259	Instrument Data Sheet	276 days	25-07-25	22-08-26																												
260	On submission	7 days	25-07-25	04-08-25																												
261	On Code B Approval	21 days	05-08-25	03-09-25																												
262	On Code A Approval	21 days	04-09-25	03-10-25																												
263	After commissioning	180 days	24-02-26	22-08-26																												
264	Instrument Cable Schedule	276 days	25-07-25	22-08-26																												
265	On submission	7 days	25-07-25	04-08-25																												
266	On Code B Approval	21 days	05-08-25	03-09-25																												
267	On Code A Approval	21 days	04-09-25	03-10-25																												
268	After commissioning	180 days	24-02-26	22-08-26																												
269	Instrument Cable Data Sheet	276 days	25-07-25	22-08-26																												
270	On submission	7 days	25-07-25	04-08-25																												
271	On Code B Approval	21 days	05-08-25	03-09-25																												
272	On Code A Approval	21 days	04-09-25	03-10-25																												
273	After commissioning	180 days	24-02-26	22-08-26																												
274	UPS Document	228 days	03-10-25	22-08-26																												
275	On submission	7 days	03-10-25	13-10-25																												
276	On Code B Approval	21 days	14-10-25	12-11-25																												
277	On Code A Approval	21 days	28-11-25	26-12-25																												
278	After commissioning	180 days	24-02-26	22-08-26																												
279	Documents, Drawings and Manuals (As built Drawings and O&M manuals)	65 days	18-05-26	14-08-26																												
280	Approval of Design & Drawings	65 days	18-05-26	14-08-26																												
281	As Built drawings for all structures as applicable - On Submission	14 days	18-05-26	04-06-26																												
282	As Built drawings for all structures as applicable - On Code B approval	30 days	05-06-26	16-07-26																												
283	As Built drawings for all structures as applicable - On Code A approval	14 days	17-07-26	05-08-26																												
284	O&M Manuals for all equipments as applicable - On Submission	7 days	06-08-26	14-08-26																												
285	Other Items Entered by Tenderer (List Below)	21 days	19-11-25	17-12-25																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress
	Split		External Milestone		Duration-only		Deadline		
	Milestone		Inactive Task		Manual Summary Rollup		Critical		
	Summary		Inactive Milestone		Manual Summary		Critical Split		
	Project Summary		Inactive Summary		Start-only		Progress		

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
286	Vetting of design, surge analysis etc.	21 days	19-11-25	17-12-25																												
287	On vetting of Sludge/Gas Line	21 days	19-11-25	17-12-25																												
288	Price Schedule A1.3 – Preliminary Treatment	392.5 days	01-03-25	22-08-26																												
289	Civil Works of Inlet Chamber and Flow Meter (I/c Inlet Chamber)	392.5 days	01-03-25	22-08-26																												
290	On Completion of RCC Bottom slab	37 days	01-03-25	15-04-25																												
291	On Completion of RCC structure upto half height	25 days	16-07-25	06-09-25																												
292	On Completion of RCC structure upto full height incl. walkway & staircase	30 days	06-09-25	13-10-25																												
293	On completion of finishing works like Interior & Exterior Painting, Railing etc.	15 days	05-02-26	23-02-26																												
294	After Hydraulic Testing	30 days	24-12-25	28-01-26																												
295	After Commissioning	180 days	24-02-26	22-08-26																												
296	Mechanical Works of Inlet Chamber and Flow Meter (I/c Inlet Chamber)	121.5 days	04-03-26	22-08-26																												
297	Sluice Gates	121.5 days	04-03-26	22-08-26																												
298	On completion of Installation	30 days	04-03-26	10-04-26																												
299	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
300	Electrical Works of Inlet Chamber and Flow Meter (I/c Inlet Chamber)	299 days	24-06-25	22-08-26																												
301	Flow Meter of Raising main	294 days	01-07-25	22-08-26																												
302	Submission of QAP, drawings & datasheets	15 days	01-07-25	21-07-25																												
303	Approval of QAP, drawings & datasheets	40 days	22-07-25	17-09-25																												
304	Inspection Call	7 days	03-01-26	10-01-26																												
305	Inspection Completion	3 days	20-01-26	22-01-26																												
306	On delivery at site	21 days	23-01-26	16-02-26																												
307	On completion of Installation	7 days	19-02-26	26-02-26																												
308	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
309	Cabling	299 days	24-06-25	22-08-26																												
310	Submission of QAP, drawings & datasheets	7 days	24-06-25	02-07-25																												
311	Approval of QAP, drawings & datasheets	45 days	03-07-25	04-09-25																												
312	Inspection Call	7 days	18-09-25	25-09-25																												
313	Inspection Completion	3 days	04-10-25	07-10-25																												
314	On delivery at site	15 days	13-11-25	01-12-25																												
315	On completion of Installation	12 days	10-02-26	23-02-26																												
316	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
317	Civil Works of Screening Plant (I/c Fine Screen Channel)	353.5 days	18-04-25	22-08-26																												
318	On Completion of RCC Bottom slab	30 days	18-04-25	22-05-25																												
319	On Completion of RCC structure upto half height	30 days	09-07-25	09-09-25																												

GOVT. OF INDIA

REG. NO. 3636

DIST. MUMBAI

PRAMOD N. JAMBE

NOTARY



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	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
320	On Completion of RCC structure upto full height incl. walkway etc.	30 days	09-09-25	15-10-25																												
321	On completion of finishing works like Interior & Exterior Painting, Railing etc.	15 days	05-02-26	23-02-26																												
322	After Hydraulic Testing	30 days	24-12-25	28-01-26																												
323	After Commissioning	180 days	24-02-26	22-08-26																												
324	Mechanical Works of Screening Plant (I/c Fine Screen Channels)	144.5 days	30-01-26	22-08-26																												
325	Mechanical Fine Screens	144.5 days	30-01-26	22-08-26																												
326	On completion of Installation	45 days	30-01-26	24-03-26																												
327	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
328	Screw Conveyor	101.5 days	01-04-26	22-08-26																												
329	On completion of Installation	30 days	01-04-26	08-05-26																												
330	On completion of testing & commissioning	106 days	08-05-26	22-08-26																												
331	Sluice Gates	121.5 days	04-03-26	22-08-26																												
332	On completion of Installation	30 days	04-03-26	10-04-26																												
333	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
334	Electrical Works of Screening Plant (I/c Fine Screen Channels)	278 days	23-07-25	22-08-26																												
335	Actuators for Sluice gates	95.5 days	10-04-26	22-08-26																												
336	On completion of Installation	7 days	10-04-26	18-04-26																												
337	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
338	Control Panel	90 days	18-04-26	22-08-26																												
339	On completion of Installation	7 days	18-04-26	27-04-26																												
340	On completion of testing & commissioning	110 days	05-05-26	22-08-26																												
341	Cabling	278 days	23-07-25	22-08-26																												
342	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
343	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
344	Inspection Call	25 days	30-10-25	28-11-25																												
345	Inspection Completion	3 days	08-12-25	10-12-25																												
346	On delivery at site	7 days	15-12-25	22-12-25																												
347	On completion of Installation	15 days	03-03-26	19-03-26																												
348	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
349	Skips for Transportation (I/c Fine Screen Channels)	173 days	23-12-25	22-08-26																												
350	Submission of QAP, drawings & datasheets	15 days	23-12-25	12-01-26																												
351	Approval of QAP, drawings & datasheets	45 days	13-01-26	16-03-26																												
352	Inspection Call	7 days	03-04-26	13-04-26																												
353	Inspection Completion	3 days	22-04-26	24-04-26																												
354	On delivery at site	40 days	25-04-26	10-06-26																												
355	On completion of Installation	3 days	11-06-26	13-06-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
356	On completion of testing & commissioning	33 days	21-07-26	22-08-26																												
357	Civil Works of Grit Removal (I/c Vortex Grit Chamber)	333.5 days	12-05-25	22-08-26																												
358	On Completion of RCC Column upto bottom slab	40 days	12-05-25	08-07-25																												
359	On Completion of RCC Bottom slab	25 days	09-07-25	03-09-25																												
360	On Completion of RCC structure upto half height	30 days	03-09-25	09-10-25																												
361	On Completion of RCC structure upto full height incl. walkway etc.	45 days	09-10-25	03-12-25																												
362	On completion of finishing works like Interior & Exterior Painting, Railing etc.	30 days	23-01-26	27-02-26																												
363	After Hydraulic Testing	30 days	11-12-25	15-01-26																												
364	After Commissioning	120 days	25-04-26	22-08-26																												
365	Mechanical Works of Grit Removal (I/c Vortex Grit Chamber)	124.5 days	27-02-26	22-08-26																												
366	Vortex Drive with bull gear	124.5 days	27-02-26	22-08-26																												
367	On completion of Installation	15 days	27-02-26	17-03-26																												
368	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
369	Grit Classifiers	124.5 days	27-02-26	22-08-26																												
370	On completion of Installation	15 days	27-02-26	17-03-26																												
371	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
372	Grit Transfer Pumps	124.5 days	27-02-26	22-08-26																												
373	On completion of Installation	15 days	27-02-26	17-03-26																												
374	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
375	Sluice Gates	124.5 days	27-02-26	22-08-26																												
376	On completion of Installation	15 days	27-02-26	17-03-26																												
377	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
378	Electrical Works of Grit Removal (I/c Vortex Grit Chamber)	278 days	23-07-25	22-08-26																												
379	Actuators for Sluice gates	124.5 days	27-02-26	22-08-26																												
380	On completion of Installation	7 days	27-02-26	07-03-26																												
381	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
382	Local Control Panel (LCP)	118.5 days	09-03-26	22-08-26																												
383	On completion of Installation	3 days	09-03-26	12-03-26																												
384	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
385	Cabling	278 days	23-07-25	22-08-26																												
386	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
387	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
388	Inspection Call	7 days	30-10-25	06-11-25																												
389	Inspection Completion	3 days	08-12-25	10-12-25																												
390	On delivery at site	7 days	15-12-25	22-12-25																												
391	On completion of Installation	15 days	03-03-26	19-03-26																												



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Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
392	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
393	Skips for Transportation (I/c Vortex Grit Chamber)	173 days	23-12-25	22-08-26																												
394	Submission of QAP, drawings & datasheets	15 days	23-12-25	12-01-26																												
395	Approval of QAP, drawings & datasheets	45 days	13-01-26	16-03-26																												
396	Inspection Call	7 days	03-04-26	13-04-26																												
397	Inspection Completion	3 days	22-04-26	24-04-26																												
398	On delivery at site	40 days	25-04-26	10-06-26																												
399	On completion of Installation	15 days	11-06-26	11-07-26																												
400	On completion of testing & commissioning	33 days	21-07-26	22-08-26																												
401	Civil Works of Septicity Treatment (I/c Odour Control Unit)	123 days	24-02-26	22-08-26																												
402	Civil Works of Odour Control Unit for Preliminary ur	123 days	24-02-26	22-08-26																												
403	After Commissioning	180 days	24-02-26	22-08-26																												
404	Civil Works of Odour Control Unit for Sludge unit	123 days	24-02-26	22-08-26																												
405	After Commissioning	180 days	24-02-26	22-08-26																												
406	Mechanical Works of Septicity Treatment (I/c Odour Control System)	280 days	21-07-25	22-08-26																												
407	Odour Control System for Preliminary unit	280 days	21-07-25	22-08-26																												
408	On completion of Installation	15 days	21-07-25	25-08-25																												
409	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
410	Odour Control System for Sludge Unit	250.5 days	01-09-25	22-08-26																												
411	On completion of Installation	15 days	01-09-25	19-09-25																												
412	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
413	Electrical Works of Septicity Treatment (I/c Odour Control System)	247.5 days	04-09-25	22-08-26																												
414	Local Control Panel (LCP) for Preliminary Unit	246.5 days	05-09-25	22-08-26																												
415	On completion of Installation	15 days	05-09-25	24-09-25																												
416	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
417	Local Control Panel (LCP) for Sludge Unit	247.5 days	04-09-25	22-08-26																												
418	On completion of Installation	15 days	04-09-25	23-09-25																												
419	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
420	Civil Works of Ventilation system (I/c Air conditioning & Exhaust)	123 days	24-02-26	22-08-26																												
421	On completion of civil works	60 days	10-03-26	21-05-26																												
422	After Testing	30 days	02-06-26	29-07-26																												
423	After Commissioning	180 days	24-02-26	22-08-26																												
424	Mechanical Works of Ventilation (I/c Air conditioning & Exhaust)	128 days	24-02-26	22-08-26																												
425	Airconditioners & Exhaust fans for Admin Building	128 days	24-02-26	22-08-26																												
426	On delivery at site	40 days	23-05-26	09-07-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
427	On completion of Installation	15 days	10-07-26	13-08-26																												
428	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
429	Airconditioners & Exhaust fans for Staff Quarter	128 days	24-02-26	22-08-26																												
430	On delivery at site	40 days	23-05-26	09-07-26																												
431	On completion of Installation	15 days	10-07-26	13-08-26																												
432	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
433	Exhaust fans for Other Buildings	128 days	24-02-26	22-08-26																												
434	On delivery at site	40 days	23-05-26	09-07-26																												
435	On completion of Installation	15 days	10-07-26	13-08-26																												
436	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
437	Electrical Works of Ventilation (I/c Air conditioning & Exhaust)	278 days	23-07-25	22-08-26																												
438	Cabling	278 days	23-07-25	22-08-26																												
439	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
440	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
441	Inspection Call	7 days	17-10-25	25-10-25																												
442	Inspection Completion	3 days	27-10-25	29-10-25																												
443	On delivery at site	40 days	30-10-25	16-12-25																												
444	On completion of Installation	60 days	17-12-25	24-02-26																												
445	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
446	Instrumentation, Control and Automation	263 days	13-08-25	22-08-26																												
447	Real Time Analysers	263 days	13-08-25	22-08-26																												
448	Submission of QAP, drawings & datasheets	7 days	13-08-25	22-08-25																												
449	Approval of QAP, drawings & datasheets	45 days	25-08-25	28-10-25																												
450	Inspection Call	7 days	12-02-26	19-02-26																												
451	Inspection Completion	3 days	28-02-26	03-03-26																												
452	On delivery at site	21 days	04-03-26	27-03-26																												
453	On completion of Installation	15 days	01-04-26	20-04-26																												
454	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
455	Price Schedule A1.4 – Primary Treatment	392.5 days	01-03-25	22-08-26																												
456	Civil Works of Primary Settling Tanks (I/c Primary Clarifier Clari-Tube Settler)	291.5 days	14-07-25	22-08-26																												
457	Civil Works of Primary Clarifier1	291.5 days	14-07-25	22-08-26																												
458	On Completion of RCC structure upto Half height	20 days	14-07-25	29-08-25																												
459	On Completion of RCC structure upto 3/4th height	20 days	30-08-25	24-09-25																												
460	On Completion of RCC structure upto full height incl. Walkway etc.	30 days	24-09-25	30-10-25																												
461	On completion of finishing works like Interior & Exterior Painting, Railing etc.	45 days	22-12-25	12-02-26																												
462	After Hydraulic Testing	30 days	07-11-25	13-12-25																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress
	Split		External Milestone		Duration-only		Deadline		
	Milestone		Inactive Task		Manual Summary Rollup		Critical		
	Summary		Inactive Milestone		Manual Summary		Critical Split		
	Project Summary		Inactive Summary		Start-only		Progress		

Project Schedule dates are subject to Engineering and Design and actual progress.

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ID	Task Name	Duration	Start	Finish	2022	2023	2024	2025	2026	2027	2028
					Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4
463	After Commissioning	180 days	24-02-26	22-08-26							
464	Civil Works of Primary Clarifier2	291.5 days	14-07-25	22-08-26							
465	On Completion of RCC structure upto Half height	20 days	14-07-25	29-08-25							
466	On Completion of RCC structure upto 3/4th height	20 days	30-08-25	24-09-25							
467	On Completion of RCC structure upto full height incl. Walkway etc.	30 days	24-09-25	30-10-25							
468	On completion of finishing works like Interior & Exterior Painting, Railing etc.	45 days	22-12-25	12-02-26							
469	After Hydraulic Testing	30 days	07-11-25	13-12-25							
470	After Commissioning	180 days	24-02-26	22-08-26							
471	Civil Works of Primary Clarifier3	249.5 days	26-09-25	22-08-26							
472	On Completion of RCC structure upto Half height	20 days	26-09-25	20-10-25							
473	On Completion of RCC structure upto 3/4th height	20 days	20-10-25	13-11-25							
474	On Completion of RCC structure upto full height incl. Walkway etc.	30 days	13-11-25	19-12-25							
475	On completion of finishing works like Interior & Exterior Painting, Railing etc.	45 days	31-12-25	21-02-26							
476	After Hydraulic Testing	30 days	27-12-25	31-01-26							
477	After Commissioning	180 days	19-12-25	22-08-26							
478	Civil Works of Primary Clarifier4	249.5 days	26-09-25	22-08-26							
479	On Completion of RCC structure upto Half height	20 days	26-09-25	20-10-25							
480	On Completion of RCC structure upto 3/4th height	20 days	20-10-25	13-11-25							
481	On Completion of RCC structure upto full height incl. Walkway etc.	30 days	13-11-25	19-12-25							
482	On completion of finishing works like Interior & Exterior Painting, Railing etc.	45 days	31-12-25	21-02-26							
483	After Hydraulic Testing	30 days	27-12-25	31-01-26							
484	After Commissioning	180 days	24-02-26	22-08-26							
485	Mechanical Works of Primary Settling Tanks (l/c Primary Clarifier Clari-Tube Settler)	208 days	01-11-25	22-08-26							
486	Tubesettler / Lamella Plates	208 days	01-11-25	22-08-26							
487	Inspection Call	7 days	01-11-25	10-11-25							
488	Inspection Completion	3 days	10-11-25	13-11-25							
489	On delivery at site	20 days	13-11-25	08-12-25							
490	On completion of Installation	15 days	18-02-26	07-03-26							
491	On completion of testing & commissioning	120 days	25-04-26	22-08-26							
492	Scrapper for Clarifier1	134.5 days	13-02-26	22-08-26							
493	On completion of Installation	15 days	13-02-26	03-03-26							
494	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
495	Scrapper for Clarifier2	154 days	17-01-26	22-08-26							



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
496	On completion of Installation	15 days	17-01-26	04-02-26																												
497	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
498	Scrapper for Clarifier3	119 days	07-03-26	22-08-26																												
499	On completion of Installation	15 days	07-03-26	25-03-26																												
500	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
501	Scrapper for Clarifier4	100.5 days	02-04-26	22-08-26																												
502	On completion of Installation	15 days	02-04-26	22-04-26																												
503	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
504	Electrical Works of Primary Settling Tanks (I/c Primary Clarifier Clari-Tube Settler)	278 days	23-07-25	22-08-26																												
505	Actuators for valves	249.5 days	02-09-25	22-08-26																												
506	Submission of QAP, drawings & datasheets	15 days	02-09-25	24-09-25																												
507	Approval of QAP, drawings & datasheets	45 days	24-09-25	28-11-25																												
508	Inspection Call	7 days	28-11-25	06-12-25																												
509	Inspection Completion	3 days	15-12-25	18-12-25																												
510	On delivery at site	15 days	18-12-25	05-01-26																												
511	On completion of Installation	15 days	31-01-26	18-02-26																												
512	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
513	Cabling	278 days	23-07-25	22-08-26																												
514	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
515	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
516	Inspection Call	45 days	09-10-25	02-12-25																												
517	Inspection Completion	3 days	11-12-25	13-12-25																												
518	On delivery at site	7 days	15-12-25	22-12-25																												
519	On completion of Installation	15 days	25-03-26	14-04-26																												
520	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
521	Civil Works of Primary & Scum pumps (I/c Primary & Secondary Sludge Sumps)	392.5 days	01-03-25	22-08-26																												
522	Civil Works of Sludge Dewatering building	392.5 days	01-03-25	22-08-26																												
523	On Completion of RCC Foundation / Raft	40 days	01-03-25	18-04-25																												
524	On Completion of RCC structure upto 1/4th height	25 days	05-06-25	22-07-25																												
525	On Completion of RCC structure upto Half height	45 days	23-07-25	04-10-25																												
526	On Completion of RCC structure upto 3/4th height	30 days	04-10-25	10-11-25																												
527	On Completion of RCC structure upto full height incl. roof slab	30 days	10-11-25	16-12-25																												
528	On completion of finishing works like Interior & Exterior Painting etc.	45 days	05-02-26	30-03-26																												
529	After Hydraulic Testing	30 days	24-12-25	28-01-26																												
530	After Commissioning	180 days	24-02-26	22-08-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline		
Milestone	Inactive Task	Manual Summary Rollup	Critical		
Summary	Inactive Milestone	Manual Summary	Critical Split		
Project Summary	Inactive Summary	Start-only	Progress		

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
531	Mechanical Works of Primary & Scum pumps (I/c Primary & Secondary Sludge Sumps)	294.5 days	30-06-25	22-08-26																												
532	Primary Sludge pumps	138.5 days	09-02-26	22-08-26																												
533	On completion of Installation	30 days	09-02-26	16-03-26																												
534	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
535	Primary Sludge transfer pumps	294.5 days	30-06-25	22-08-26																												
536	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
537	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
538	Inspection Call	45 days	24-09-25	18-11-25																												
539	Inspection Completion	3 days	18-11-25	21-11-25																												
540	On delivery at site	21 days	21-11-25	16-12-25																												
541	On completion of Installation	15 days	21-03-26	10-04-26																												
542	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
543	Secondary Sludge pumps	138.5 days	09-02-26	22-08-26																												
544	On completion of Installation	15 days	09-02-26	26-02-26																												
545	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
546	Valves	294.5 days	30-06-25	22-08-26																												
547	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
548	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
549	Inspection Call	7 days	02-10-25	10-10-25																												
550	Inspection Completion	3 days	10-10-25	14-10-25																												
551	On delivery at site	40 days	14-10-25	02-12-25																												
552	On completion of Installation	15 days	02-12-25	19-12-25																												
553	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
554	Electrical Works of Primary & Scum pumps (I/c Primary & Secondary Sludge Sumps)	294.5 days	30-06-25	22-08-26																												
555	Control Panel (Starters in respective MCC)	294.5 days	30-06-25	22-08-26																												
556	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
557	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
558	Inspection Call	7 days	09-01-26	17-01-26																												
559	Inspection Completion	3 days	26-01-26	29-01-26																												
560	On delivery at site	40 days	29-01-26	17-03-26																												
561	On completion of Installation	15 days	16-03-26	02-04-26																												
562	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
563	Cabling	278 days	23-07-25	22-08-26																												
564	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
565	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
566	Inspection Call	7 days	17-10-25	25-10-25																												
567	Inspection Completion	3 days	04-11-25	06-11-25																												
568	On delivery at site	30 days	07-11-25	12-12-25																												

NOTARY
PRANOD H. JAMBE
DIST. MUMBAI
REG. NO. 36915
GOVT. OF INDIA

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Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028		
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
569	On completion of Installation	15 days	31-12-25	16-01-26																											
570	On completion of testing & commissioning	180 days	24-02-26	22-08-26																											
571	Instrumentation, Control and Automation	294.5 days	30-06-25	22-08-26																											
572	Flow Meter at Parshall Flume before primary	294.5 days	30-06-25	22-08-26																											
573	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																											
574	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																											
575	Inspection Call	70 days	26-09-25	19-12-25																											
576	Inspection Completion	7 days	19-12-25	27-12-25																											
577	On delivery at site	10 days	27-12-25	08-01-26																											
578	On completion of Installation	15 days	26-01-26	12-02-26																											
579	On completion of testing & commissioning	180 days	24-02-26	22-08-26																											
580	Main PLC Panel	284.5 days	14-07-25	22-08-26																											
581	Submission of QAP, drawings & datasheets	15 days	14-07-25	04-08-25																											
582	Approval of QAP, drawings & datasheets	45 days	04-08-25	08-10-25																											
583	Inspection Call	60 days	08-10-25	19-12-25																											
584	Inspection Completion	3 days	19-12-25	23-12-25																											
585	On delivery at site	40 days	23-12-25	07-02-26																											
586	On completion of Installation	15 days	16-02-26	05-03-26																											
587	On completion of testing & commissioning	120 days	25-04-26	22-08-26																											
588	Control Cables	278 days	23-07-25	22-08-26																											
589	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																											
590	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																											
591	Inspection Call	40 days	17-10-25	04-12-25																											
592	Inspection Completion	2 days	13-12-25	15-12-25																											
593	On delivery at site	7 days	16-12-25	23-12-25																											
594	On completion of Installation	15 days	10-01-26	27-01-26																											
595	On completion of testing & commissioning	180 days	24-02-26	22-08-26																											
596	Price Schedule A1.5 (a) – Secondary Treatment (Creek Discharge Standard Treatment)	452.5 days	21-12-24	22-08-26																											
597	Civil Works of Secondary Treatment Tanks (CSBR) and Blower Building	452.5 days	21-12-24	22-08-26																											
598	Civil Works of Continuous Sequential Batch Reactor (CSBR) Tank1 (I/c Cells, RAS, Anoxic, Anaerobic & Aerobic)	452.5 days	21-12-24	22-08-26																											
599	On Completion of RCC structure upto Half height	120 days	21-12-24	12-05-25																											
600	On Completion of RCC structure upto 3/4th height	70 days	01-03-25	23-05-25																											
601	On Completion of RCC structure upto full height incl. openings, walkway & staircase	120 days	19-03-25	17-09-25																											
602	On completion of finishing works like Internal & External Painting, Railing etc.	45 days	15-12-25	05-02-26																											



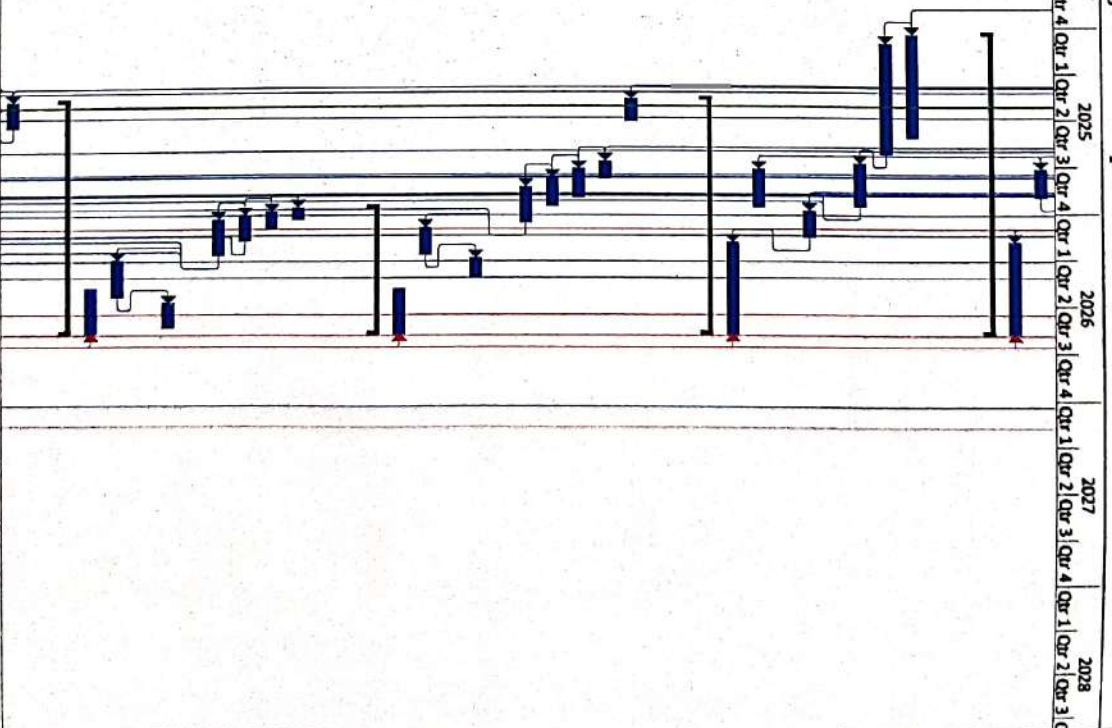
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Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022	2023	2024	2025	2026	2027	2028
603	After Hydraulic Testing	45 days	04-10-25	28-11-25	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
604	After Commissioning	180 days	24-02-26	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
605	Civil Works of Continuous Sequential Batch Reactor 432.5 days (CSBR) Tanks (I/c Cells, RAS, Anoxic, Anaerobic & Aerobic)	180 days	14-01-25	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
606	On Completion of RCC structure upto Half height	150 days	14-01-25	02-08-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
607	On Completion of RCC structure upto 3/4th height	150 days	31-01-25	04-09-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
608	On Completion of RCC structure upto full height	70 days	22-09-25	15-12-25	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
609	incl. openings, walkway & staircase	45 days	23-12-25	13-02-26	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
610	On completion of finishing works like Internal & External Painting, Railing etc.	60 days	04-10-25	16-12-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
611	After Hydraulic Testing	180 days	24-02-26	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
612	After Commissioning	325.5 days	21-05-25	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
613	Civil Works of Continuous Sequential Batch Reactor (CSBR) Tanks (I/c Cells, RAS, Anoxic, Anaerobic & Aerobic)	30 days	21-05-25	03-07-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
614	On Completion of RCC Foundation / Raft	30 days	18-09-25	23-10-25	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
615	On Completion of RCC structure upto 1/4th height	45 days	04-10-25	28-11-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
616	On Completion of RCC structure upto Half height	45 days	21-10-25	15-12-25	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
617	On Completion of RCC structure upto 3/4th height	60 days	07-11-25	17-01-26	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
618	incl. openings, walkway & staircase	30 days	27-03-26	04-05-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
619	On completion of finishing works like Internal & External Painting, Railing etc.	45 days	26-01-26	19-03-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
620	After Hydraulic Testing	90 days	25-05-26	22-08-26	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
621	After Commissioning	181.5 days	17-12-25	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
622	Civil Works of Continuous Sequential Batch Reactor (CSBR) Tanks (I/c Cells, RAS, Anoxic, Anaerobic & Aerobic)	17-12-25	10-01-26	25-12-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
623	On Completion of RCC structure upto 1/4th height	30 days	25-12-25	29-01-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
624	On Completion of RCC structure upto Half height	43 days	02-01-26	21-02-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
625	On Completion of RCC structure upto 3/4th height	60 days	10-01-26	21-03-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
626	incl. openings, walkway & staircase	21 days	23-06-26	10-08-26	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
627	On completion of finishing works like Internal & External Painting, Railing etc.	60 days	30-03-26	10-06-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
628	After Hydraulic Testing	90 days	25-05-26	22-08-26	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
629	After Commissioning	322.5 days	24-05-25	22-08-26	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
630	Civil Works of Chlorination Contact Tank (CCT) - Disposal	24-05-25	12-07-25	24-05-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
630	On Completion of RCC structure upto 1/4th height	31 days	24-05-25	12-07-25	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3



Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

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ID	Task Name	Duration	Start	Finish	2022			2023			2024			2025			2026			2027			2028		
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
631	On Completion of RCC structure upto Half height	30 days	14-07-25	11-09-25																					
632	On Completion of RCC structure upto 3/4th height	30 days	11-09-25	17-10-25																					
633	On Completion of RCC structure upto full height incl. walkway & staircase	35 days	17-10-25	29-11-25																					
634	On completion of finishing works like Internal & External Painting, Railing etc.	25 days	20-02-26	21-03-26																					
635	After Hydraulic Testing	45 days	22-12-25	12-02-26																					
636	After Commissioning	120 days	25-04-26	22-08-26																					
637	Civil Works of Blower & MCC Room	329.5 days	16-05-25	22-08-26																					
638	On Completion of Brickwork	45 days	16-05-25	29-07-25																					
639	On Completion of Plastering & Water Proofing	60 days	24-05-25	10-09-25																					
640	On Completion of Painting works	14 days	19-09-25	06-10-25																					
641	On Completion of Flooring, Doors & Windows, Railing, Cable trench etc.	60 days	02-06-25	19-09-25																					
642	After Testing	30 days	19-09-25	25-10-25																					
643	After Commissioning	180 days	24-02-26	22-08-26																					
644	Mechanical Works of Secondary Treatment Tanks (CSBR) and Blower Building	315 days	02-06-25	22-08-26																					
645	Decanters for CSBR Tank1	315 days	02-06-25	22-08-26																					
646	On completion of Installation	15 days	02-06-25	21-06-25																					
647	On completion of testing & commissioning	180 days	24-02-26	22-08-26																					
648	Decanters for CSBR Tank2	166.5 days	31-12-25	22-08-26																					
649	On completion of Installation	15 days	31-12-25	17-01-26																					
650	On completion of testing & commissioning	180 days	24-02-26	22-08-26																					
651	Decanters for CSBR Tank3	154 days	17-01-26	22-08-26																					
652	On completion of Installation	15 days	17-01-26	04-02-26																					
653	On completion of testing & commissioning	180 days	24-02-26	22-08-26																					
654	Decanters for CSBR Tank4	109 days	21-03-26	22-08-26																					
655	On completion of Installation	15 days	21-03-26	10-04-26																					
656	On completion of testing & commissioning	120 days	25-04-26	22-08-26																					
657	Diffusers for CSBR Tank1	233.5 days	25-09-25	22-08-26																					
658	Inspection Call	7 days	25-09-25	03-10-25																					
659	Inspection Completion	7 days	03-10-25	11-10-25																					
660	On delivery at site	30 days	11-10-25	18-11-25																					
661	On completion of Installation	7 days	18-11-25	26-11-25																					
662	On completion of testing & commissioning	90 days	25-05-26	22-08-26																					
663	Diffusers for CSBR Tank2	233.5 days	25-09-25	22-08-26																					
664	Inspection Call	7 days	25-09-25	03-10-25																					
665	Inspection Completion	7 days	03-10-25	11-10-25																					
666	On delivery at site	30 days	11-10-25	18-11-25																					

NOTARY

PRAMOD N. TAMBE

DIST. MUMBAI

REG. NO. 36915

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	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
667	On completion of Installation	7 days	05-05-26	13-05-26																												
668	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
669	Diffusers for CSBR Tank3	233.5 days	25-09-25	22-08-26																												
670	Inspection Call	7 days	25-09-25	03-10-25																												
671	Inspection Completion	7 days	03-10-25	11-10-25																												
672	On delivery at site	30 days	11-10-25	18-11-25																												
673	On completion of Installation	7 days	06-02-26	14-02-26																												
674	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
675	Diffusers for CSBR Tank4	233.5 days	25-09-25	22-08-26																												
676	Inspection Call	7 days	25-09-25	03-10-25																												
677	Inspection Completion	7 days	03-10-25	11-10-25																												
678	On delivery at site	30 days	11-10-25	18-11-25																												
679	On completion of Installation	15 days	18-04-26	06-05-26																												
680	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
681	Centrifugal Blowers - 3 Nos	236.5 days	22-09-25	22-08-26																												
682	On completion of Installation	15 days	22-09-25	09-10-25																												
683	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
684	Centrifugal Blowers - 2 Nos	236.5 days	22-09-25	22-08-26																												
685	On completion of Installation	15 days	22-09-25	09-10-25																												
686	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
687	Crane for Blower Room	241.5 days	12-09-25	22-08-26																												
688	On completion of Installation	7 days	12-09-25	22-09-25																												
689	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
690	Submersible Mixers	95.5 days	10-04-26	22-08-26																												
691	On completion of Installation	15 days	10-04-26	28-04-26																												
692	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
693	Sluice Gates	95.5 days	10-04-26	22-08-26																												
694	On completion of Installation	7 days	10-04-26	18-04-26																												
695	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
696	Valves	294.5 days	30-06-25	22-08-26																												
697	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
698	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
699	Inspection Call	45 days	24-09-25	18-11-25																												
700	Inspection Completion	3 days	18-11-25	21-11-25																												
701	On delivery at site	40 days	21-11-25	07-01-26																												
702	On completion of Installation	15 days	11-03-26	28-03-26																												
703	On completion of testing & commissioning	120 days	25-04-26	22-08-26																												
704	Electrical Works of Secondary Treatment Tanks (CSBR) and Blower Building	278 days	23-07-25	22-08-26																												
705	Motor for Blowers - 3 Nos	223.5 days	09-10-25	22-08-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022 Qtr 2 Qtr 3 Qtr 4	2023 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2024 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2025 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2026 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2027 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2028 Qtr 1 Qtr 2 Qtr 3 Qtr 4
706	On completion of Installation	15 days	09-10-25	28-10-25							
707	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
708	Motor for Blowers - 2 Nos	211.5 days	28-10-25	22-08-26							
709	On completion of Installation	15 days	28-10-25	15-11-25							
710	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
711	MCC Panel [VFD for Blowers]	220.5 days	14-10-25	22-08-26							
712	On completion of Installation	14 days	14-10-25	31-10-25							
713	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
714	Cabling	278 days	23-07-25	22-08-26							
715	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25							
716	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25							
717	Inspection Call	45 days	13-09-25	06-11-25							
718	Inspection Completion	3 days	17-11-25	19-11-25							
719	On delivery at site	25 days	20-11-25	18-12-25							
720	On completion of Installation	60 days	29-01-26	10-04-26							
721	On completion of testing & commissioning	120 days	25-04-26	22-08-26							
722	Mechanical Works of Return Sludge and WAS Pumping (I/c Return Water Sump)	294.5 days	30-06-25	22-08-26							
723	RAS Pumps	204 days	07-11-25	22-08-26							
724	Inspection Call	7 days	07-11-25	15-11-25							
725	Inspection Completion	7 days	17-11-25	24-11-25							
726	On delivery at site	30 days	25-11-25	29-12-25							
727	On completion of Installation	15 days	16-04-26	02-05-26							
728	On completion of testing & commissioning	90 days	25-05-26	22-08-26							
729	Valves	294.5 days	30-06-25	22-08-26							
730	Submission of QAP, drawings & datasheets	7 days	30-06-25	09-07-25							
731	Approval of QAP, drawings & datasheets	30 days	09-07-25	21-08-25							
732	Inspection Call	30 days	21-08-25	26-09-25							
733	Inspection Completion	3 days	26-09-25	30-09-25							
734	On delivery at site	30 days	30-09-25	05-11-25							
735	On completion of Installation	7 days	21-05-26	28-05-26							
736	On completion of testing & commissioning	80 days	04-06-26	22-08-26							
737	Electric Hoists	241.5 days	12-09-25	22-08-26							
738	On delivery at site	7 days	12-09-25	22-09-25							
739	On completion of Installation	13.5 days	22-09-25	07-10-25							
740	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
741	Electrical Works of Return Sludge and WAS Pumping (I/c Return Water Sump)	278 days	23-07-25	22-08-26							
742	Control Panel	208.5 days	31-10-25	22-08-26							
743	Inspection Call	7 days	31-10-25	08-11-25							

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Task	External Task	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

Construction Program - 25 MLD Main Sewerage Treatment Plant					2022												2023				2024				2025				2026				2027				2028			
ID	Task Name	Duration	Start	Finish	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4									
744	Inspection Completion	3 days	18-11-25	21-11-25																																				
745	On delivery at site	40 days	21-11-25	07-01-26																																				
746	On completion of Installation	7 days	14-02-26	23-02-26																																				
747	On completion of testing & commissioning	180 days	24-02-26	22-08-26																																				
748	Cabling	278 days	23-07-25	22-08-26																																				
749	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																																				
750	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25																																				
751	Inspection Call	30 days	13-09-25	18-10-25																																				
752	Inspection Completion	3 days	29-10-25	31-10-25																																				
753	On delivery at site	30 days	01-11-25	06-12-25																																				
754	On completion of Installation	35 days	23-02-26	06-04-26																																				
755	On completion of testing & commissioning	120 days	25-04-26	22-08-26																																				
756	Instrumentation, Control and Automation	294.5 days	30-06-25	22-08-26																																				
757	Flow Meters cum Transmitters	294.5 days	30-06-25	22-08-26																																				
758	Submission of QAP, drawings & datasheets	7 days	30-06-25	09-07-25																																				
759	Approval of QAP, drawings & datasheets	45 days	09-07-25	11-09-25																																				
760	Inspection Call	30 days	11-09-25	17-10-25																																				
761	Inspection Completion	3 days	27-10-25	30-10-25																																				
762	On delivery at site	40 days	30-10-25	17-12-25																																				
763	On completion of Installation	15 days	25-02-26	14-03-26																																				
764	On completion of testing & commissioning	120 days	25-04-26	22-08-26																																				
765	DO Sensors	294.5 days	30-06-25	22-08-26																																				
766	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																																				
767	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																																				
768	Inspection Call	30 days	24-09-25	30-10-25																																				
769	Inspection Completion	3 days	07-11-25	11-11-25																																				
770	On delivery at site	40 days	11-11-25	29-12-25																																				
771	On completion of Installation	15 days	09-03-26	26-03-26																																				
772	On completion of testing & commissioning	120 days	25-04-26	22-08-26																																				
773	PLC Panels (CSBR)	220.5 days	14-10-25	22-08-26																																				
774	On completion of Installation	25 days	14-10-25	13-11-25																																				
775	On completion of testing & commissioning	180 days	24-02-26	22-08-26																																				
776	Control Cables	278 days	23-07-25	22-08-26																																				
777	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																																				
778	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25																																				
779	Inspection Call	40 days	13-09-25	31-10-25																																				
780	Inspection Completion	3 days	10-11-25	12-11-25																																				
781	On delivery at site	30 days	13-11-25	18-12-25																																				
782	On completion of Installation	45 days	29-01-26	21-03-26																																				
783	On completion of testing & commissioning	120 days	25-04-26	22-08-26																																				



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
784	Price Schedule A1.5 (b) – Tertiary Treatment (Effluent for Re-Use Standard Treatment)	314.5 days	03-06-25	22-08-26																												
785	Civil Works of Tertiary Treatment of capacity 108 MLD	314.5 days	03-06-25	22-08-26																												
786	Civil Works of Disk Filtration Tanks	266 days	06-09-25	22-08-26																												
787	On completion of Pile breaking & PCC	45 days	06-09-25	30-10-25																												
788	On Completion of RCC Foundation / Raft	21 days	31-10-25	25-11-25																												
789	On Completion of RCC structure upto 1/4th height	14 days	26-11-25	11-12-25																												
790	On Completion of RCC structure upto Half height	35 days	04-12-25	13-01-26																												
791	On Completion of RCC structure upto 3/4th height	25 days	12-12-25	09-01-26																												
792	On Completion of RCC structure upto full height incl. roofing	35 days	10-01-26	19-02-26																												
793	On completion of finishing works like Internal & External Painting, Railing etc.	30 days	15-04-26	19-05-26																												
794	After Hydraulic Testing	30 days	28-02-26	03-04-26																												
795	After Commissioning	90 days	25-05-26	22-08-26																												
796	Civil Works of Chlorination Contact Tank (CCT) - Reu	284.5 days	30-07-25	22-08-26																												
797	On Completion of RCC structure upto 1/4th height	21 days	30-07-25	09-09-25																												
798	On Completion of RCC structure upto Half height	25 days	16-08-25	23-09-25																												
799	On Completion of RCC structure upto 3/4th height	30 days	23-09-25	29-10-25																												
800	On Completion of RCC structure upto full height incl. walkway etc.	45 days	29-10-25	22-12-25																												
801	On completion of finishing works like Internal & External Painting, Railing etc.	30 days	11-02-26	18-03-26																												
802	After Hydraulic Testing	30 days	30-12-25	03-02-26																												
803	After Commissioning	90 days	25-05-26	22-08-26																												
804	Civil Works of Treated Water Tank	284.5 days	30-07-25	22-08-26																												
805	On Completion of RCC structure upto 1/4th height	21 days	30-07-25	09-09-25																												
806	On Completion of RCC structure upto Half height	25 days	16-08-25	23-09-25																												
807	On Completion of RCC structure upto 3/4th height	30 days	23-09-25	29-10-25																												
808	On Completion of RCC structure upto full height incl. roof slab	45 days	29-10-25	22-12-25																												
809	On completion of finishing works like Internal & External Painting etc.	30 days	11-02-26	18-03-26																												
810	After Hydraulic Testing	30 days	30-12-25	03-02-26																												
811	After Commissioning	90 days	25-05-26	22-08-26																												
812	Civil Works of Fire Water Pump house	284.5 days	30-07-25	22-08-26																												
813	On Completion of RCC structure upto Plinth Level	21 days	30-07-25	09-09-25																												
814	On Completion of RCC structure upto Lintel Level	15 days	09-09-25	27-09-25																												
815	On Completion of RCC structure upto full height incl. Roof slab	45 days	27-09-25	21-11-25																												

<



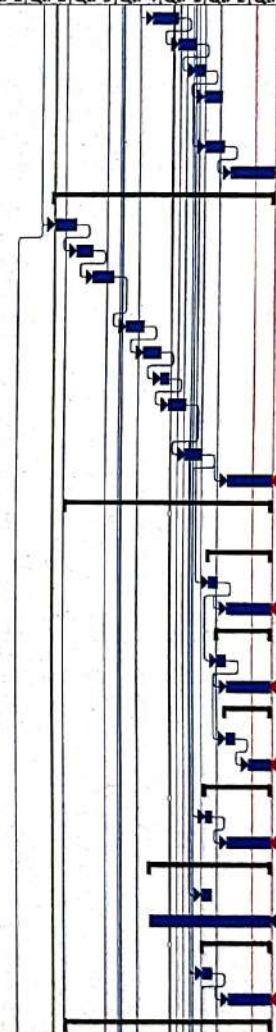
Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
816	On completion of Brickwork	45 days	16-12-25	06-02-26																												
817	On Completion of Plastering & Water Proofing	30 days	06-02-26	13-03-26																												
818	On completion of Painting works	15 days	13-03-26	31-03-26																												
819	On completion of finishing works like Flooring, Doors & Windows, Railing, Cable trench etc.	30 days	31-03-26	07-05-26																												
820	After Hydraulic Testing	30 days	03-04-26	11-05-26																												
821	After Commissioning	90 days	25-05-26	22-08-26																												
822	Civil Works of Chlorination & Toner Room	314.5 days	03-06-25	22-08-26																												
823	On Completion of RCC structure upto Plinth Level	25 days	03-06-25	17-07-25																												
824	On Completion of RCC structure upto Lintel Level	14 days	18-07-25	20-08-25																												
825	On Completion of RCC structure upto full height incl. Roof slab	30 days	21-08-25	01-10-25																												
826	On Completion of Brickwork	30 days	27-10-25	02-12-25																												
827	On Completion of Plastering & Water Proofing	30 days	02-12-25	06-01-26																												
828	On completion of Painting works	15 days	06-01-26	23-01-26																												
829	On completion of finishing works like Flooring, Doors & Windows, Railing etc.	30 days	23-01-26	27-02-26																												
830	After Hydraulic Testing	30 days	27-02-26	03-04-26																												
831	After Commissioning	90 days	25-05-26	22-08-26																												
832	Mechanical Works of Tertiary Treatment of capacity 108 MLD	294.5 days	30-06-25	22-08-26																												
833	Disc Filter 1	90 days	18-04-26	22-08-26																												
834	On completion of Installation	15 days	18-04-26	05-05-26																												
835	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
836	Disc Filter 2	78 days	06-05-26	22-08-26																												
837	On completion of Installation	15 days	06-05-26	22-05-26																												
838	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
839	Disc Filters 3	65 days	23-05-26	22-08-26																												
840	On completion of Installation	15 days	23-05-26	09-06-26																												
841	On completion of testing & commissioning	45 days	09-07-26	22-08-26																												
842	Chlorination System	95 days	11-04-26	22-08-26																												
843	On completion of Installation	10 days	11-04-26	23-04-26																												
844	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
845	Chlorine Tonner	175 days	19-12-25	22-08-26																												
846	On completion of Installation	15 days	03-04-26	23-04-26																												
847	On completion of testing & commissioning	180 days	19-12-25	22-08-26																												
848	Sluice Gates	99 days	06-04-26	22-08-26																												
849	On completion of Installation	15 days	06-04-26	23-04-26																												
850	On completion of testing & commissioning	45 days	28-05-26	22-08-26																												
851	Valves	294.5 days	30-06-25	22-08-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
852	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
853	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
854	Inspection Call	30 days	24-09-25	30-10-25																												
855	Inspection Completion	3 days	30-10-25	03-11-25																												
856	On delivery at site	40 days	03-11-25	20-12-25																												
857	On completion of Installation	30 days	06-04-26	11-05-26																												
858	On completion of testing & commissioning	180 days	19-12-25	22-08-26																												
859	Electrical Hoists	207.5 days	03-11-25	22-08-26																												
860	On delivery at site	40 days	03-11-25	20-12-25																												
861	On completion of Installation	14.5 days	06-04-26	23-04-26																												
862	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
863	Electrical Works of Tertiary Treatment of capacity 108	278 days	23-07-25	22-08-26																												
864	Actuators for Gates	82 days	30-04-26	22-08-26																												
865	On completion of Installation	15 days	30-04-26	16-05-26																												
866	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
867	MCC Panel-FWPH	284 days	30-07-25	22-08-26																												
868	Submission of QAP, drawings & datasheets	15 days	30-07-25	21-08-25																												
869	Approval of QAP, drawings & datasheets	45 days	21-08-25	27-10-25																												
870	Inspection Call	30 days	27-10-25	02-12-25																												
871	Inspection Completion	3 days	10-12-25	13-12-25																												
872	On delivery at site	40 days	13-12-25	29-01-26																												
873	On completion of Installation	15 days	28-03-26	17-04-26																												
874	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
875	Cabling	287.5 days	23-07-25	22-08-26																												
876	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
877	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
878	Inspection Call	30 days	07-10-25	11-11-25																												
879	Inspection Completion	3 days	21-11-25	24-11-25																												
880	On delivery at site	10 days	25-11-25	05-12-25																												
881	On completion of Installation	21 days	11-04-26	05-05-26																												
882	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
883	Instrumentation, Control and Automation of Tertiary Treatment of capacity 108 MLD	278 days	23-07-25	22-08-26																												
884	PLC Panels-LCP for Disc Filter	145.5 days	29-01-26	22-08-26																												
885	On completion of Installation	15 days	29-01-26	16-02-26																												
886	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
887	Control Cable	278 days	23-07-25	22-08-26																												
888	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
889	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
890	Inspection Call	10 days	07-10-25	17-10-25																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,

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ID	Task Name	Duration	Start	Finish	2022	2023	2024	2025	2026	2027	2028
					Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4
891	Inspection Completion	3 days	28-10-25	30-10-25							
892	On delivery at site	15 days	31-10-25	18-11-25							
893	On completion of Installation	7 days	23-03-26	30-03-26							
894	On completion of testing & commissioning	90 days	25-05-26	22-08-26							
895	Price Schedule A1.6 (a) – Sludge Treatment	354.5 days	17-04-25	22-08-26							
896	Mechanical Works of Primary Sludge Thickeners	278.5 days	22-07-25	22-08-26							
897	Primary Sludge Thickeners	278.5 days	22-07-25	22-08-26							
898	On delivery at site	7 days	22-07-25	30-07-25							
899	On completion of Installation	15 days	18-12-25	05-01-26							
900	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
901	Flocculators	278.5 days	22-07-25	22-08-26							
902	On delivery at site	7 days	22-07-25	30-07-25							
903	On completion of Installation	15 days	05-01-26	22-01-26							
904	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
905	Polydosing System	150.5 days	22-01-26	22-08-26							
906	On completion of Installation	14 days	22-01-26	07-02-26							
907	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
908	Submersible Mixers	139 days	07-02-26	22-08-26							
909	On completion of Installation	15 days	07-02-26	25-02-26							
910	On completion of testing & commissioning	150 days	26-03-26	22-08-26							
911	Electrical Hoists	207.5 days	03-11-25	22-08-26							
912	On delivery at site	40 days	03-11-25	20-12-25							
913	On completion of Installation	15 days	20-12-25	07-01-26							
914	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
915	Electrical Works of Primary Sludge Thickeners	278.5 days	22-07-25	22-08-26							
916	Local Control Panel (LCP)	278.5 days	22-07-25	22-08-26							
917	On delivery at site	7 days	22-07-25	30-07-25							
918	On completion of Installation	15 days	23-02-26	12-03-26							
919	On completion of testing & commissioning	90 days	25-05-26	22-08-26							
920	Cabling	278 days	23-07-25	22-08-26							
921	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25							
922	Approval of QAP, drawings & datasheets	35 days	01-08-25	22-09-25							
923	Inspection Call	30 days	23-09-25	28-10-25							
924	Inspection Completion	3 days	06-11-25	08-11-25							
925	On delivery at site	30 days	10-11-25	15-12-25							
926	On completion of Installation	15 days	05-01-26	22-01-26							
927	On completion of testing & commissioning	180 days	24-02-26	22-08-26							
928	Mechanical Works of Secondary Sludge Thickeners	278.5 days	22-07-25	22-08-26							
929	Secondary Sludge Thickeners	278.5 days	22-07-25	22-08-26							
930	On delivery at site	7 days	22-07-25	30-07-25							



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress.

552 Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
931	On completion of Installation	15 days	05-01-26	22-01-26																												
932	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
933	Flocculators	278.5 days	22-07-25	22-08-26																												
934	On delivery at site	7 days	22-07-25	30-07-25																												
935	On completion of Installation	4 days	22-01-26	27-01-26																												
936	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
937	Polydozing System	139 days	07-02-26	22-08-26																												
938	On completion of Installation	15 days	07-02-26	25-02-26																												
939	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
940	Submersible Mixers	126.5 days	25-02-26	22-08-26																												
941	On completion of Installation	15 days	25-02-26	14-03-26																												
942	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
943	Electrical Works of Secondary Sludge Thickeners	278.5 days	22-07-25	22-08-26																												
944	Local Control Panel (LCP)	278.5 days	22-07-25	22-08-26																												
945	On delivery at site	7 days	22-07-25	30-07-25																												
946	On completion of Installation	7 days	14-03-26	23-03-26																												
947	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
948	Cabling	278 days	23-07-25	22-08-26																												
949	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
950	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
951	Inspection Call	30 days	07-10-25	11-11-25																												
952	Inspection Completion	3 days	21-11-25	24-11-25																												
953	On delivery at site	20 days	25-11-25	17-12-25																												
954	On completion of Installation	4.5 days	03-02-26	07-02-26																												
955	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
956	Mechanical Works of Thickened Sludge Tanks (l/c Combined Thickened Sludge Sump)	294.5 days	30-06-25	22-08-26																												
957	Blended Sludge Transfer Pumps	193 days	25-11-25	22-08-26																												
958	Inspection Call	7 days	25-11-25	02-12-25																												
959	Inspection Completion	3 days	03-12-25	05-12-25																												
960	On delivery at site	40 days	06-12-25	21-01-26																												
961	On completion of Installation	15 days	22-01-26	07-02-26																												
962	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
963	Valves (Blended Sludge Transfer Pump)	294.5 days	30-06-25	22-08-26																												
964	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
965	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
966	Inspection Call	30 days	24-09-25	30-10-25																												
967	Inspection Completion	3 days	30-10-25	03-11-25																												
968	On delivery at site	40 days	03-11-25	20-12-25																												
969	On completion of Installation	15 days	09-02-26	25-02-26																												

NOTARY

KRASHI K. TAMBE

DIST. MUMBAI

REG. NO. 3169

GOVT. OF INDIA



Rev-01
Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
970	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
971	Electrical Works of Thickened Sludge Tanks (I/c Combined Thickened Sludge Sump)	294.5 days	30-06-25	22-08-26																												
972	Local Control Panel (LCP)	294.5 days	30-06-25	22-08-26																												
973	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
974	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												
975	Inspection Call	30 days	24-09-25	30-10-25																												
976	Inspection Completion	3 days	07-11-25	11-11-25																												
977	On delivery at site	40 days	11-11-25	29-12-25																												
978	On completion of Installation	15 days	09-02-26	25-02-26																												
979	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
980	Cabling	278 days	23-07-25	22-08-26																												
981	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
982	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
983	Inspection Call	30 days	07-10-25	11-11-25																												
984	Inspection Completion	3 days	21-11-25	24-11-25																												
985	On delivery at site	40 days	25-11-25	09-01-26																												
986	On completion of Installation	0 days	07-02-26	07-02-26																												
987	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
988	Civil Works of Sludge Digesters (I/c Digesters & Sludge Storage Area)	354.5 days	17-04-25	22-08-26																												
989	Civil Works of Anaerobic Sludge Digesters Tank 01	354.5 days	17-04-25	22-08-26																												
990	On Completion of RCC Foundation / Raft	25 days	17-04-25	15-05-25																												
991	On Completion of RCC structure upto 1/4th height	45 days	16-05-25	29-07-25																												
992	On Completion of RCC structure upto Half height	30 days	30-07-25	20-09-25																												
993	On Completion of RCC structure upto 3/4th height	30 days	20-09-25	27-10-25																												
994	On Completion of RCC structure upto full height incl. roofing, walkway & staircase	25 days	27-10-25	26-11-25																												
995	On completion of finishing works like Internal & External Painting, Railing etc.	30 days	16-01-26	20-02-26																												
996	After Hydraulic Testing	30 days	04-12-25	08-01-26																												
997	After Commissioning	90 days	03-04-26	22-08-26																												
998	Civil Works of Anaerobic Sludge Digesters Tank 02	344.5 days	29-04-25	22-08-26																												
999	On Completion of RCC Foundation / Raft	25 days	29-04-25	27-05-25																												
1000	On Completion of RCC structure upto 1/4th height	45 days	28-05-25	22-08-25																												
1001	On Completion of RCC structure upto Half height	25 days	23-08-25	26-09-25																												
1002	On Completion of RCC structure upto 3/4th height	30 days	26-09-25	01-11-25																												
1003	On Completion of RCC structure upto full height incl. roofing, walkway & staircase	45 days	01-11-25	25-12-25																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1004	On completion of finishing works like Internal & External Painting, Railing etc.	30 days	20-02-26	27-03-26																												
1005	After Hydraulic Testing	30 days	08-01-26	12-02-26																												
1006	After Commissioning	90 days	25-05-26	22-08-26																												
1007	Civil Works of Anaerobic Sludge Digesters Tank 03	342.5 days	01-05-25	22-08-26																												
1008	On completion of Pile breaking & PCC	25 days	01-05-25	29-05-25																												
1009	On Completion of RCC Foundation / Raft	21 days	13-09-25	09-10-25																												
1010	On Completion of RCC structure upto 1/4th height	14 days	09-10-25	27-10-25																												
1011	On Completion of RCC structure upto Half height	30 days	27-10-25	02-12-25																												
1012	On Completion of RCC structure upto 3/4th height	30 days	02-12-25	06-01-26																												
1013	On Completion of RCC structure upto full height incl. roofing, walkway & staircase	14 days	06-01-26	22-01-26																												
1014	On completion of finishing works like Internal & External Painting, Railing etc.	21 days	14-03-26	10-04-26																												
1015	After Hydraulic Testing	30 days	30-01-26	06-03-26																												
1016	After Commissioning	75 days	09-06-26	22-08-26																												
1017	Civil Works of Sludge Storage Area	137.5 days	06-02-26	22-08-26																												
1018	On completion of PCC	9.5 days	06-02-26	17-02-26																												
1019	On Completion of RCC Foundation / Raft	14 days	18-02-26	05-03-26																												
1020	On completion of finishing works	7 days	06-03-26	13-03-26																												
1021	After Commissioning	180 days	24-02-26	22-08-26																												
1022	Civil Works of Weighbridge	128 days	18-02-26	22-08-26																												
1023	On completion of PCC	15 days	18-02-26	06-03-26																												
1024	On Completion of RCC Foundation / Raft	15 days	07-03-26	24-03-26																												
1025	On completion of finishing works like Painting etc.	15 days	25-03-26	13-04-26																												
1026	After Commissioning	30 days	15-06-26	22-08-26																												
1027	Mechanical Works of Sludge Digesters (I/c Digesters & Sludge Storage Area)	294.5 days	30-06-25	22-08-26																												
1028	Anaerobic Sludge Digesters Tank 01 (Mixing System)	135.5 days	12-02-26	22-08-26																												
1029	On completion of Installation	15 days	12-02-26	02-03-26																												
1030	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1031	Anaerobic Sludge Digesters Tank 02 (Mixing System)	110.5 days	19-03-26	22-08-26																												
1032	On completion of Installation	15 days	19-03-26	08-04-26																												
1033	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1034	Anaerobic Sludge Digesters Tank 03 (Mixing System)	144.5 days	30-01-26	22-08-26																												
1035	On completion of Installation	15 days	30-01-26	17-02-26																												
1036	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1037	Valves	294.5 days	30-06-25	22-08-26																												
1038	Submission of QAP, drawings & datasheets	15 days	30-06-25	21-07-25																												
1039	Approval of QAP, drawings & datasheets	45 days	21-07-25	24-09-25																												

GOVT. OF INDIA
REG. NO. 36915
DIST. MUMBAI
PRAMOD N. JAMBHE
NOTARY



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Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1040	Inspection Call	30 days	24-09-25	30-10-25																												
1041	Inspection Completion	3 days	30-10-25	03-11-25																												
1042	On delivery at site	40 days	03-11-25	20-12-25																												
1043	On completion of Installation	15 days	22-01-26	09-02-26																												
1044	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1045	Weighbridge	94 days	14-04-26	22-08-26																												
1046	On completion of Installation	15 days	14-04-26	30-04-26																												
1047	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1048	Electrical Works of Sludge Digesters (I/c Digesters & Sludge Storage Area)	278 days	23-07-25	22-08-26																												
1049	MCC Panel Sludge area (MCC-4)	272.5 days	30-07-25	22-08-26																												
1050	Submission of QAP, drawings & datasheets	15 days	30-07-25	21-08-25																												
1051	Approval of QAP, drawings & datasheets	45 days	21-08-25	27-10-25																												
1052	Inspection Call	30 days	27-10-25	02-12-25																												
1053	Inspection Completion	3 days	10-12-25	13-12-25																												
1054	On delivery at site	40 days	13-12-25	29-01-26																												
1055	On completion of Installation	15 days	29-01-26	16-02-26																												
1056	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
1057	Cabling	278 days	23-07-25	22-08-26																												
1058	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
1059	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25																												
1060	Inspection Call	25 days	13-09-25	13-10-25																												
1061	Inspection Completion	3 days	22-10-25	25-10-25																												
1062	On delivery at site	40 days	27-10-25	12-12-25																												
1063	On completion of Installation	15 days	09-02-26	25-02-26																												
1064	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1065	Mechanical Works of Digested Sludge Storage Tank (I/c Digested Sludge Sump & Pump house)	250 days	02-09-25	22-08-26																												
1066	Digested Sludge Feed Pumps	250 days	02-09-25	22-08-26																												
1067	Inspection Call	7 days	02-09-25	09-09-25																												
1068	Inspection Completion	3 days	10-09-25	12-09-25																												
1069	On delivery at site	40 days	13-09-25	31-10-25																												
1070	On completion of Installation	35 days	01-11-25	12-12-25																												
1071	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
1072	Mixers	250 days	02-09-25	22-08-26																												
1073	Inspection Call	7 days	02-09-25	09-09-25																												
1074	Inspection Completion	3 days	10-09-25	12-09-25																												
1075	On delivery at site	40 days	13-09-25	31-10-25																												
1076	On completion of Installation	35 days	01-11-25	12-12-25																												
1077	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1115	Inspection Completion	3 days	27-10-25	30-10-25																												
1116	On delivery at site	20 days	30-10-25	24-11-25																												
1117	On completion of Installation	30 days	20-12-25	23-01-26																												
1118	On completion of testing & commissioning	180 days	24-02-26	22-08-26																												
1119	Cabling	278 days	23-07-25	22-08-26																												
1120	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
1121	Approval of QAP, drawings & datasheets	45 days	01-08-25	06-10-25																												
1122	Inspection Call	25 days	07-10-25	05-11-25																												
1123	Inspection Completion	3 days	15-11-25	18-11-25																												
1124	On delivery at site	25 days	19-11-25	17-12-25																												
1125	On completion of Installation	14 days	09-02-26	24-02-26																												
1126	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1127	Civil Works of Biogas System including Gas Holder and Flare	133 days	12-02-26	22-08-26																												
1128	Civil Works of Gas Holder 01	133 days	12-02-26	22-08-26																												
1129	On completion of PCC	7 days	12-02-26	19-02-26																												
1130	On Completion of RCC Foundation works	7 days	20-02-26	27-02-26																												
1131	After Testing	15 days	28-02-26	17-03-26																												
1132	After Commissioning	90 days	25-05-26	22-08-26																												
1133	Civil Works of Gas Holder 02	126 days	20-02-26	22-08-26																												
1134	On completion of Pile breaking & PCC	7 days	20-02-26	27-02-26																												
1135	On Completion of RCC Foundation works	7 days	28-02-26	07-03-26																												
1136	After Testing	15 days	09-03-26	25-03-26																												
1137	After Commissioning	90 days	25-05-26	22-08-26																												
1138	Civil Works of Flare Area - 02 Nos	118 days	02-03-26	22-08-26																												
1139	On completion of PCC	7 days	02-03-26	09-03-26																												
1140	On Completion of RCC Foundation works	30 days	10-03-26	15-04-26																												
1141	After Testing	15 days	16-04-26	02-05-26																												
1142	After Commissioning	90 days	25-05-26	22-08-26																												
1143	Mechanical Works of Biogas System including Gas Holder and Flare	287.5 days	09-07-25	22-08-26																												
1144	Biogas Holder	287.5 days	09-07-25	22-08-26																												
1145	Submission of QAP, drawings & datasheets	15 days	09-07-25	30-07-25																												
1146	Approval of QAP, drawings & datasheets	45 days	30-07-25	03-10-25																												
1147	Inspection Call	90 days	03-10-25	19-01-26																												
1148	Inspection Completion	7 days	19-01-26	27-01-26																												
1149	On delivery at site	40 days	27-01-26	14-03-26																												
1150	On completion of Installation	15 days	15-04-26	01-05-26																												
1151	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1152	Biogas Flaring System	287.5 days	09-07-25	22-08-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1153	Submission of QAP, drawings & datasheets	15 days	09-07-25	30-07-25																												
1154	Approval of QAP, drawings & datasheets	45 days	30-07-25	03-10-25																												
1155	Inspection Call	90 days	03-10-25	19-01-26																												
1156	Inspection Completion	7 days	19-01-26	27-01-26																												
1157	On delivery at site	40 days	27-01-26	14-03-26																												
1158	On completion of Installation	15 days	23-03-26	11-04-26																												
1159	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1160	Biogas Piping	287.5 days	09-07-25	22-08-26																												
1161	Submission of QAP, drawings & datasheets	7 days	09-07-25	18-07-25																												
1162	Approval of QAP, drawings & datasheets	45 days	18-07-25	23-09-25																												
1163	Inspection Call	90 days	23-09-25	08-01-26																												
1164	Inspection Completion	3 days	08-01-26	12-01-26																												
1165	On delivery at site	40 days	12-01-26	27-02-26																												
1166	On completion of Installation	15 days	03-04-26	23-04-26																												
1167	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1168	Valves	280.5 days	18-07-25	22-08-26																												
1169	Submission of QAP, drawings & datasheets	15 days	18-07-25	08-08-25																												
1170	Approval of QAP, drawings & datasheets	45 days	08-08-25	14-10-25																												
1171	Inspection Call	60 days	14-10-25	25-12-25																												
1172	Inspection Completion	3 days	25-12-25	29-12-25																												
1173	On delivery at site	40 days	29-12-25	13-02-26																												
1174	On completion of Installation	45 days	03-03-26	27-04-26																												
1175	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1176	Moisture Separators	287.5 days	09-07-25	22-08-26																												
1177	Submission of QAP, drawings & datasheets	15 days	09-07-25	30-07-25																												
1178	Approval of QAP, drawings & datasheets	45 days	30-07-25	03-10-25																												
1179	Inspection Call	65 days	03-10-25	20-12-25																												
1180	Inspection Completion	3 days	20-12-25	24-12-25																												
1181	On delivery at site	40 days	24-12-25	09-02-26																												
1182	On completion of Installation	60 days	26-02-26	09-05-26																												
1183	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1184	Flame Arrestors	287.5 days	09-07-25	22-08-26																												
1185	Submission of QAP, drawings & datasheets	15 days	09-07-25	30-07-25																												
1186	Approval of QAP, drawings & datasheets	45 days	30-07-25	03-10-25																												
1187	Inspection Call	90 days	03-10-25	19-01-26																												
1188	Inspection Completion	3 days	19-01-26	22-01-26																												
1189	On delivery at site	40 days	22-01-26	10-03-26																												
1190	On completion of Installation	60 days	10-03-26	21-05-26																												
1191	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												



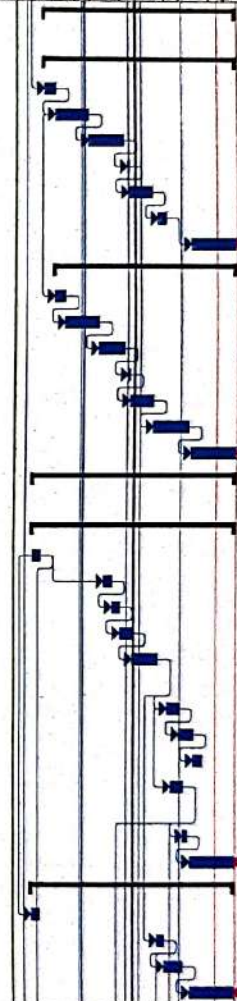
Rev-01
Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,

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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1192	Electrical Works of Biogas System including Gas Holder and Flare	272.5 days	30-07-25	22-08-26																												
1193	MCC Panels (MCC-5)	272.5 days	30-07-25	22-08-26																												
1194	Submission of QAP, drawings & datasheets	15 days	30-07-25	21-08-25																												
1195	Approval of QAP, drawings & datasheets	45 days	21-08-25	27-10-25																												
1196	Inspection Call	60 days	27-10-25	06-01-26																												
1197	Inspection Completion	3 days	14-01-26	17-01-26																												
1198	On delivery at site	40 days	17-01-26	05-03-26																												
1199	On completion of Installation	15 days	17-03-26	03-04-26																												
1200	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1201	Cabling	257.5 days	21-08-25	22-08-26																												
1202	Submission of QAP, drawings & datasheets	15 days	21-08-25	11-09-25																												
1203	Approval of QAP, drawings & datasheets	45 days	11-09-25	18-11-25																												
1204	Inspection Call	45 days	18-11-25	09-01-26																												
1205	Inspection Completion	3 days	17-01-26	21-01-26																												
1206	On delivery at site	40 days	21-01-26	09-03-26																												
1207	On completion of Installation	60 days	09-03-26	20-05-26																												
1208	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1209	Civil Works of Energy recovery system (I/c Gas Engine Building & Scrubber Area)	292.5 days	11-07-25	22-08-26																												
1210	Gas Engine Building	292.5 days	11-07-25	22-08-26																												
1211	On completion of Pile breaking & PCC	7 days	11-07-25	26-07-25																												
1212	On Completion of RCC Foundation / Raft	14 days	01-12-25	17-12-25																												
1213	On Completion of RCC structure upto Plinth level	14 days	17-12-25	02-01-26																												
1214	On Completion of RCC structure upto first floor slab	21 days	02-01-26	27-01-26																												
1215	On Completion of RCC structure upto Roof slab & Staircase	45 days	27-01-26	20-03-26																												
1216	On Completion of Brickwork	21 days	08-04-26	02-05-26																												
1217	On Completion of Plastering, Water Proofing etc.	25 days	02-05-26	01-06-26																												
1218	On Completion of Painting works	14 days	01-06-26	19-06-26																												
1219	On Completion of Flooring, Doors & Windows, Railing, Cable Trench etc.	21 days	16-04-26	11-05-26																												
1220	After Testing	7 days	11-05-26	19-05-26																												
1221	After Commissioning	90 days	25-05-26	22-08-26																												
1222	Scrubber & Gas Blower Area	292.5 days	11-07-25	22-08-26																												
1223	On completion of Pile breaking & PCC	7 days	11-07-25	26-07-25																												
1224	On Completion of RCC Foundation works	12 days	20-03-26	03-04-26																												
1225	After Testing	30 days	03-04-26	11-05-26																												
1226	After Commissioning	90 days	25-05-26	22-08-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress,
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Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1265	Inspection Completion	3 days	09-12-25	11-12-25																												
1266	On delivery at site	40 days	12-12-25	27-01-26																												
1267	On completion of Installation	35 days	25-02-26	08-04-26																												
1268	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1269	Mechanical Works of Chemical Dosing and Storage Systems	193 days	11-02-26	22-08-26																												
1270	Polydosing System	103 days	06-03-26	29-07-26																												
1271	On completion of Installation	45 days	06-03-26	30-04-26																												
1272	On completion of testing & commissioning	90 days	30-04-26	29-07-26																												
1273	Interconnecting Piping	134 days	11-02-26	22-08-26																												
1274	On completion of Installation	60 days	11-02-26	23-04-26																												
1275	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1276	Valves	74 days	24-04-26	22-08-26																												
1277	On completion of Installation	15 days	24-04-26	11-05-26																												
1278	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1279	Electrical Works of Chemical Dosing and Storage Systems	396 days	23-07-25	22-08-26																												
1280	Local Control Panels (LCP)	59 days	12-05-26	22-08-26																												
1281	On completion of Installation	10 days	12-05-26	22-05-26																												
1282	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1283	Cabling	287.5 days	23-07-25	22-08-26																												
1284	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
1285	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25																												
1286	Inspection Call	45 days	13-09-25	06-11-25																												
1287	Inspection Completion	3 days	17-11-25	19-11-25																												
1288	On delivery at site	20 days	20-11-25	12-12-25																												
1289	On completion of Installation	30 days	09-04-26	13-05-26																												
1290	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1291	Instrumentation, Control and Automation	396 days	23-07-25	22-08-26																												
1292	PLC Panels	279 days	12-08-25	22-08-26																												
1293	Submission of QAP, drawings & datasheets	15 days	12-08-25	02-09-25																												
1294	Approval of QAP, drawings & datasheets	45 days	03-09-25	06-11-25																												
1295	Inspection Call	45 days	07-11-25	30-12-25																												
1296	Inspection Completion	3 days	08-01-26	10-01-26																												
1297	On delivery at site	40 days	12-01-26	26-02-26																												
1298	On completion of Installation	20 days	23-04-26	15-05-26																												
1299	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1300	Flow Meters	279 days	12-08-25	22-08-26																												
1301	Submission of QAP, drawings & datasheets	7 days	12-08-25	21-08-25																												
1302	Approval of QAP, drawings & datasheets	30 days	22-08-25	03-10-25																												
1303	Inspection Call	45 days	04-10-25	27-11-25																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,

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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1304	Inspection Completion	3 days	06-12-25	09-12-25																												
1305	On delivery at site	40 days	10-12-25	24-01-26																												
1306	On completion of Installation	60 days	02-03-26	12-05-26																												
1307	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1308	Control Cables	287.5 days	23-07-25	22-08-26																												
1309	Submission of QAP, drawings & datasheets	7 days	23-07-25	31-07-25																												
1310	Approval of QAP, drawings & datasheets	30 days	01-08-25	12-09-25																												
1311	Inspection Call	35 days	13-09-25	25-10-25																												
1312	Inspection Completion	3 days	04-11-25	06-11-25																												
1313	On delivery at site	40 days	07-11-25	24-12-25																												
1314	On completion of Installation	60 days	05-03-26	15-05-26																												
1315	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1316	Price Schedule A1.7 – Ancillary Building, Processes and Utilities	372.5 days	25-03-25	22-08-26																												
1317	Civil and Building Works of Work Shop Building	365.5 days	02-04-25	22-08-26																												
1318	On Completion of Plastering	75 days	02-04-25	15-07-25																												
1319	On Completion of Painting works	13.5 days	16-07-25	16-08-25																												
1320	On Completion of Flooring, Shutter, Railing, Grade Slab etc.	13.5 days	18-08-25	09-09-25																												
1321	After Testing	10 days	09-09-25	22-09-25																												
1322	After Commissioning	180 days	24-02-26	22-08-26																												
1323	Building Services of Work Shop Building (I/c Electrical)	278 days	23-07-25	22-08-26																												
1324	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
1325	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
1326	Inspection Call	90 days	17-10-25	31-01-26																												
1327	Inspection Completion	7 days	02-02-26	09-02-26																												
1328	On delivery at site	40 days	10-02-26	27-03-26																												
1329	On completion of Installation	15 days	28-03-26	16-04-26																												
1330	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1331	Civil and Building Works of Administration building	372.5 days	25-03-25	22-08-26																												
1332	Admin + Lab + Control Room Building	372.5 days	25-03-25	22-08-26																												
1333	On Completion of RCC structure upto First floor	75 days	25-03-25	28-06-25																												
1334	On Completion of RCC structure upto Roof slab & staircase	90 days	30-06-25	17-11-25																												
1335	On Completion of Brickwork	21 days	01-08-25	10-09-25																												
1336	On Completion of Plastering, Water Proofing etc.	30 days	10-09-25	16-10-25																												
1337	On Completion of Painting works	25 days	16-10-25	17-11-25																												
1338	On Completion of Flooring, Doors & Windows, Railing, Grade Slab etc.	45 days	17-11-25	08-01-26																												



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Task

Split

Milestone

Summary

Project Summary

External Tasks

External Milestone

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Deadline

Critical

Critical Split

Progress

Manual Progress

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1340	After Testing	30 days	02-03-26	08-04-26																												
1341	After Commissioning	90 days	25-05-26	22-08-26																												
1342	Staff Quarter	372.5 days	25-03-25	22-08-26																												
1343	On Completion of RCC structure upto First floor	45 days	25-03-25	17-05-25																												
1344	On Completion of RCC structure upto Roof slab & Staircase	45 days	19-05-25	02-08-25																												
1345	On Completion of Brickwork	21 days	04-08-25	11-09-25																												
1346	On Completion of Plastering, Water Proofing etc.	30 days	11-09-25	17-10-25																												
1347	On Completion of Painting works	21 days	17-10-25	12-11-25																												
1348	On Completion of Flooring, Doors & Windows, Railing, Grade Slab etc.	21 days	12-11-25	08-12-25																												
1349	On Completion of Sanitary & plumbing works	25 days	08-12-25	06-01-26																												
1350	After Testing	30 days	06-01-26	10-02-26																												
1351	After Commissioning	180 days	24-02-26	22-08-26																												
1352	Security Cabin	147.5 days	26-01-26	22-08-26																												
1353	On completion of PCC	5 days	26-01-26	31-01-26																												
1354	On Completion of RCC Foundation / Raft	7 days	31-01-26	09-02-26																												
1355	On Completion of RCC structure upto Plinth level	7 days	09-02-26	17-02-26																												
1356	On Completion of RCC structure upto Lintel level	7 days	17-02-26	25-02-26																												
1357	On Completion of RCC structure upto Roof slab	10 days	25-02-26	09-03-26																												
1358	On Completion of Brickwork	7 days	09-03-26	17-03-26																												
1359	On Completion of Plastering, Water Proofing etc.	7 days	17-03-26	25-03-26																												
1360	On Completion of Painting works	7 days	25-03-26	02-04-26																												
1361	On Completion of Flooring, Doors & Windows, Railing, Grade Slab etc.	15 days	02-04-26	22-04-26																												
1362	After Testing	7 days	22-04-26	30-04-26																												
1363	After Commissioning	90 days	25-05-26	22-08-26																												
1364	Building Services of Administration building (I/c Electrical) for Admin, Staff quarter & Security Cabin	278 days	23-07-25	22-08-26																												
1365	Submission of QAP, drawings & datasheets	15 days	23-07-25	12-08-25																												
1366	Approval of QAP, drawings & datasheets	45 days	13-08-25	16-10-25																												
1367	Inspection Call	60 days	17-10-25	27-12-25																												
1368	Inspection Completion	3 days	29-12-25	31-12-25																												
1369	On delivery at site	40 days	01-01-26	16-02-26																												
1370	On completion of Installation	30 days	24-03-26	29-04-26																												
1371	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1372	Laboratory equipment and facilities of Administration Building	109.5 days	20-03-26	22-08-26																												
1373	On delivery at site	14 days	20-03-26	10-04-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress	
	Split		External Milestone		Duration-only		Deadline			
	Milestone		Inactive Task		Manual Summary Rollup		Critical			
	Summary		Inactive Milestone		Manual Summary		Critical Split			
	Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress.

Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1375	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1376	Office and Laboratory furniture and fittings of Administration Building, Staff quarter & Security Cabin (All furnitures)	109.5 days	20-03-26	22-08-26																												
1377	On delivery at site	14 days	20-03-26	10-04-26																												
1378	On completion of Installation	15 days	10-04-26	01-05-26																												
1379	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1380	Canteen facilities of Administration Building (I/c Canteen Furnitures)	109.5 days	20-03-26	22-08-26																												
1381	On delivery at site	14 days	20-03-26	10-04-26																												
1382	On completion of Installation	15 days	10-04-26	01-05-26																												
1383	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1384	First Aid and Safety Equipment of Administration Building	109.5 days	20-03-26	22-08-26																												
1385	On delivery at site	14 days	20-03-26	10-04-26																												
1386	On completion of Installation	15 days	10-04-26	01-05-26																												
1387	On completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1388	Provision of Utilities to the Site - Electricity Supply	200.5 days	25-11-25	22-08-26																												
1389	On Completion of HT Room	30 days	25-11-25	30-12-25																												
1390	On Completion of LT Room	30 days	30-12-25	03-02-26																												
1391	On Completion of Metering Room	15 days	03-02-26	20-02-26																												
1392	On Completion of Transformer yard	15 days	20-02-26	10-03-26																												
1393	After Testing	30 days	10-03-26	16-04-26																												
1394	After Commissioning	90 days	25-05-26	22-08-26																												
1395	Provision of Utilities to the Site - Telephone supply	91.5 days	01-04-26	22-08-26																												
1396	On Completion of laying & civil works	15 days	01-04-26	21-04-26																												
1397	After Testing	15 days	21-04-26	08-05-26																												
1398	After Commissioning	90 days	25-05-26	22-08-26																												
1399	Provision of Utilities to the Site - Potable Water Supply	76.5 days	21-04-26	22-08-26																												
1400	On Completion of Pipe and fittings laying & fixing	7 days	21-04-26	29-04-26																												
1401	On Completion of civil works etc.	7 days	29-04-26	07-05-26																												
1402	After Testing	12 days	07-05-26	21-05-26																												
1403	After Commissioning	90 days	25-05-26	22-08-26																												
1404	Provision of Utilities to the Site - Broadband supply	91.5 days	01-04-26	22-08-26																												
1405	On Completion of Cable and accessories laying & fixing	7 days	01-04-26	11-04-26																												
1406	On Completion of civil works etc.	15 days	11-04-26	29-04-26																												
1407	After Testing	15 days	29-04-26	16-05-26																												
1408	After Commissioning	90 days	25-05-26	22-08-26																												
1409	Price Schedule A1.8 – Chambers, Pipelines, Ductwork and Cabling	293 days	10-07-25	22-08-26																												
1410	Pipelines - Pipes & fittings, if applicable	293 days	10-07-25	22-08-26																												

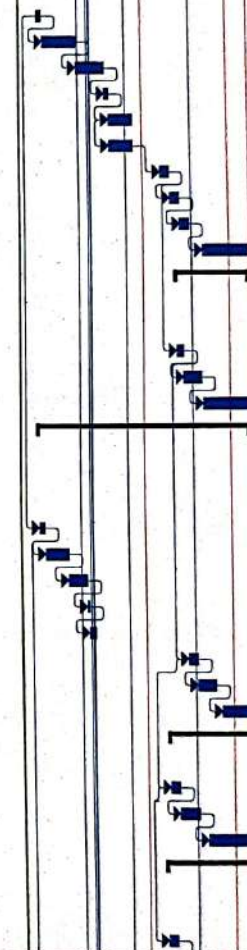


Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1411	All connections from Incoming pipework to Inlet Chamber and Preliminary Treatment works, including connection to existing Incoming rising main, overflow and effluent pipe to outfall ditch.	287 days	10-07-25	22-08-26																												
1412	Submission of QAP, drawings & datasheets	7 days	10-07-25	18-07-25																												
1413	Approval of QAP, drawings & datasheets	45 days	21-07-25	23-09-25																												
1414	Inspection Call	45 days	24-09-25	17-11-25																												
1415	Inspection Completion	7 days	18-11-25	25-11-25																												
1416	On delivery at site for Inlet Chamber	40 days	26-11-25	10-01-26																												
1417	On delivery at site for Outfall	40 days	26-11-25	10-01-26																												
1418	On laying & jointing, installation for Inlet Chamber	15 days	05-03-26	21-03-26																												
1419	On laying & jointing, installation for Outfall	15 days	23-03-26	10-04-26																												
1420	After Hydraulic Testing	15 days	11-04-26	28-04-26																												
1421	After Commissioning	90 days	25-05-26	22-08-26																												
1422	Primary Sludge from Primary Settling Tanks to Primary Sludge Thickeners (Primary Sludge Piping to Primary Sludge Sump & Thickeners)	100 days	03-04-26	22-08-26																												
1423	On laying & jointing, installation	10 days	03-04-26	16-04-26																												
1424	After Hydraulic Testing	30 days	17-04-26	21-05-26																												
1425	After Commissioning	90 days	25-05-26	22-08-26																												
1426	Supernatant from primary sludge thickener, filtrates from Sludge Thickening/Dewatering Building to Biological treatment stage (Thickening & Dewatering Filtrate to Return Water Sump)	287 days	10-07-25	22-08-26																												
1427	Submission of QAP, drawings & datasheets	7 days	10-07-25	18-07-25																												
1428	Approval of QAP, drawings & datasheets	30 days	21-07-25	01-09-25																												
1429	Inspection Call	30 days	02-09-25	07-10-25																												
1430	Inspection Completion	3 days	08-10-25	10-10-25																												
1431	On delivery at site	10 days	11-10-25	22-10-25																												
1432	On laying & jointing, installation	15 days	21-04-26	07-05-26																												
1433	After Hydraulic Testing	30 days	08-05-26	11-06-26																												
1434	After Commissioning	60 days	24-06-26	22-08-26																												
1435	Activated Sludge from Final Settling Tanks to the Return Sludge Pump Station (TRAS System Piping)	114 days	14-03-26	22-08-26																												
1436	On laying & jointing, installation	15 days	14-03-26	31-03-26																												
1437	After Hydraulic Testing	30 days	01-04-26	07-05-26																												
1438	After Commissioning	90 days	25-05-26	22-08-26																												
1439	Surplus Activated sludge from Return Sludge Pump Station to Sludge Thickening/Dewatering Facility (WAS Piping to Secondary Sludge Sump & On laying & jointing, installation	120 days	06-03-26	22-08-26																												
1440	On laying & jointing, installation	15 days	06-03-26	23-03-26																												

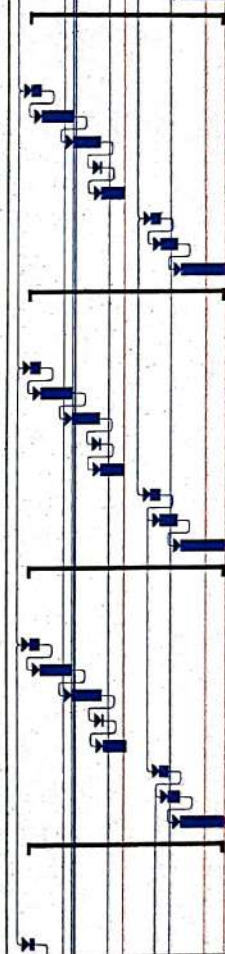


Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1441	After Hydraulic Testing	30 days	24-03-26	29-04-26																												
1442	After Commissioning	90 days	25-05-26	22-08-26																												
1443	Return Activated sludge from return sludge pumping station to selector (Scum piping to Secondary sludge sump)	280 days	21-07-25	22-08-26																												
1444	Submission of QAP, drawings & datasheets	15 days	21-07-25	08-08-25																												
1445	Approval of QAP, drawings & datasheets	45 days	11-08-25	14-10-25																												
1446	Inspection Call	45 days	15-10-25	08-12-25																												
1447	Inspection Completion	3 days	09-12-25	11-12-25																												
1448	On delivery at site	40 days	12-12-25	27-01-26																												
1449	On laying & jointing, installation	15 days	24-03-26	11-04-26																												
1450	After Hydraulic Testing	30 days	13-04-26	16-05-26																												
1451	After Commissioning	90 days	25-05-26	22-08-26																												
1452	Sludge from Thickened Sludge Buffer tank to Dewatering Stage (Dewatering Feed Piping from Digested Sludge Sump to Sludge dewatering)	280 days	21-07-25	22-08-26																												
1453	Submission of QAP, drawings & datasheets	15 days	21-07-25	08-08-25																												
1454	Approval of QAP, drawings & datasheets	45 days	11-08-25	14-10-25																												
1455	Inspection Call	45 days	15-10-25	08-12-25																												
1456	Inspection Completion	3 days	09-12-25	11-12-25																												
1457	On delivery at site	40 days	12-12-25	27-01-26																												
1458	On laying & jointing, installation	15 days	24-03-26	11-04-26																												
1459	After Hydraulic Testing	30 days	13-04-26	16-05-26																												
1460	After Commissioning	90 days	25-05-26	22-08-26																												
1461	Sludge from Thickened Sludge Buffer tank to Tanker/Skip (Sludge Transfer Arrangement to Disposal/Unloading Vehicle)	280 days	21-07-25	22-08-26																												
1462	Submission of QAP, drawings & datasheets	15 days	21-07-25	08-08-25																												
1463	Approval of QAP, drawings & datasheets	45 days	11-08-25	14-10-25																												
1464	Inspection Call	50 days	15-10-25	13-12-25																												
1465	Inspection Completion	3 days	15-12-25	17-12-25																												
1466	On delivery at site	40 days	18-12-25	02-02-26																												
1467	On laying & jointing, installation	15 days	13-04-26	29-04-26																												
1468	After Hydraulic Testing	21 days	30-04-26	23-05-26																												
1469	After Commissioning	90 days	25-05-26	22-08-26																												
1470	Biological Sludge Thickening Unit and Primary Sludge Thickening Unit to Thickened Sludge Buffer Tank (Primary & Secondary Thickened Sludge piping to Thickened Sludge Tank)	280 days	21-07-25	22-08-26																												
1471	Submission of QAP, drawings & datasheets	7 days	21-07-25	29-07-25																												



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Date: 28.10.2022

Task	External Tasks	Manual Task	Finish-only	Manual Progress
Split	External Milestone	Duration-only	Deadline	
Milestone	Inactive Task	Manual Summary Rollup	Critical	
Summary	Inactive Milestone	Manual Summary	Critical Split	
Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022	2023	2024	2025	2026	2027	2028
					Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4
1472	Approval of QAP, drawings & datasheets	30 days	30-07-25	10-09-25							
1473	Inspection Call	45 days	11-09-25	04-11-25							
1474	Inspection Completion	7 days	05-11-25	12-11-25							
1475	On delivery at site	40 days	13-11-25	30-12-25							
1476	On laying & jointing, installation	7 days	30-04-26	07-05-26							
1477	After Hydraulic Testing	14 days	08-05-26	23-05-26							
1478	After Commissioning	90 days	25-05-26	22-08-26							
1479	Electrical Ductwork - Service ducts along Site Roads	180 days	08-10-25	11-05-26							
1480	On Completion of 25% length	30 days	08-10-25	13-11-25							
1481	On Completion of 50% length	45 days	13-11-25	06-01-26							
1482	On Completion of 75% length	45 days	06-01-26	27-02-26							
1483	On Completion of 100% length	60 days	27-02-26	11-05-26							
1484	Price Schedule A1.9 - General Site Works	1246 days	23-08-22	22-02-27							
1485	Demolition and site clearance	146.5 days	01-09-26	22-02-27							
1486	On shifting of aerators in lagoon 03	15 days	14-09-26	02-10-26							
1487	On removal of anchor blocks, marine cable and concrete pole in lagoon 03	45 days	20-10-26	14-12-26							
1488	On dismantling of bunds & liners in lagoon 03	30 days	14-12-26	18-01-27							
1489	On dismantling of all chambers in lagoon 03	45 days	31-12-26	22-02-27							
1490	On shifting of aerators in lagoon 04	15 days	01-09-26	18-09-26							
1491	On removal of anchor blocks, marine cable and concrete pole in lagoon 04	45 days	13-10-26	05-12-26							
1492	On dismantling of bunds & liners in lagoon 04	30 days	07-12-26	09-01-27							
1493	On dismantling of all chambers in lagoon 04	34 days	11-01-27	18-02-27							
1494	On Demolition & Site clearance of Preliminary Structure	15 days	01-12-26	17-12-26							
1495	On Demolition & Site clearance of Aerated Grit Chambers	15 days	18-12-26	04-01-27							
1496	On Demolition & Site clearance of Blower Room & Pump Room	15 days	05-01-27	21-01-27							
1497	On Demolition & Site clearance of Panel Room & Motor Room	15 days	05-01-27	21-01-27							
1498	On Demolition & Site clearance of Office & Store Room	15 days	09-01-27	26-01-27							
1499	On Demolition & Site clearance of existing roads, chambers, watchmen shed, gates & other structures inside plant boundary	20 days	27-01-27	18-02-27							
1500	Earthmoving (including rock) (I/c Excavation works)	120 days	26-09-26	16-02-27							
1501	On Completion of lagoon 3 area	120 days	26-09-26	16-02-27							
1502	On Completion of lagoon 4 area	120 days	26-09-26	16-02-27							
1503	Landscaping and Planting	224 days	30-03-26	29-01-27							
1504	On Completion of lagoon 1 area	45 days	30-03-26	22-05-26							

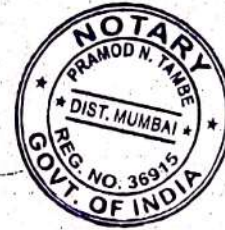


Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1505	On Completion of lagoon 2 area	45 days	18-04-26	09-06-26																												
1506	On Completion of lagoon 3 area	90 days	14-10-26	29-01-27																												
1507	On Completion of lagoon 4 area	90 days	14-10-26	29-01-27																												
1508	Site surface water drainage (I/c Storm Water Drains)	190 days	08-12-25	22-08-26																												
1509	On Completion of 25% of total length	15 days	08-12-25	24-12-25																												
1510	On Completion of 50% of total length	15 days	25-12-25	10-01-26																												
1511	On Completion of 75% of total length	15 days	27-12-25	13-01-26																												
1512	On Completion of 100% of total length	15 days	14-01-26	30-01-26																												
1513	On testing	14.5 days	31-01-26	17-02-26																												
1514	On Commissioning	90 days	25-05-26	22-08-26																												
1515	Foul works drainage system	190 days	08-12-25	22-08-26																												
1516	On Completion of 25% of total length	15 days	08-12-25	24-12-25																												
1517	On Completion of 50% of total length	15 days	25-12-25	10-01-26																												
1518	On Completion of 75% of total length	20 days	12-01-26	03-02-26																												
1519	On Completion of 100% of total length	8 days	04-02-26	12-02-26																												
1520	On testing	20 days	13-02-26	07-03-26																												
1521	On Commissioning	90 days	25-05-26	22-08-26																												
1522	Installation of piles	90 days	19-05-25	10-10-25																												
1523	On Completion of 100% of total numbers upto cutoff level	90 days	19-05-25	10-10-25																												
1524	Filling of lagoons and redundant outfall channel with suitable material	1066.5 days	25-03-23	16-02-27																												
1525	On Completion of lagoon 1 area	700 days	25-03-23	30-10-25																												
1526	On Completion of lagoon 2 area	700 days	02-10-23	25-03-26																												
1527	On Completion of lagoon 3 area	120 days	26-09-26	16-02-27																												
1528	On Completion of lagoon 4 area	120 days	26-09-26	16-02-27																												
1529	Site Roads and hard standings (I/c Internal Roads)	149.5 days	23-01-26	22-08-26																												
1530	On Completion of 30% Earth Fill	5.5 days	23-01-26	29-01-26																												
1531	On Completion of 30% Earth Fill	7 days	30-01-26	06-02-26																												
1532	On Completion of 40% Earth Fill	7 days	07-02-26	14-02-26																												
1533	On Completion of 30% Granular Sub base	7 days	16-02-26	23-02-26																												
1534	On Completion of 30% Granular Sub base	7 days	24-02-26	03-03-26																												
1535	On Completion of 40% Granular Sub base	7 days	04-03-26	11-03-26																												
1536	On Completion of 30% Wet Mix Macadam	10 days	12-03-26	23-03-26																												
1537	On Completion of 30% Wet Mix Macadam	10 days	24-03-26	03-04-26																												
1538	On Completion of 40% Wet Mix Macadam	15 days	06-04-26	23-04-26																												
1539	On Completion of 30% Dense bituminous Macadam	5 days	24-04-26	29-04-26																												
1540	On Completion of 30% Dense bituminous Macadam	5 days	30-04-26	05-05-26																												
1541	On Completion of 40% Dense bituminous Macadam	7 days	06-05-26	13-05-26																												
1542	On Completion of 30% Bituminous Concrete	5 days	14-05-26	19-05-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress
	Split		External Milestone		Duration-only		Deadline		
	Milestone		Inactive Task		Manual Summary Rollup		Critical		
	Summary		Inactive Milestone		Manual Summary		Critical Split		
	Project Summary		Inactive Summary		Start-only		Progress		

Project Schedule dates are subject to Engineering and Design and actual progress,
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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1543	On Completion of 30% Bituminous Concrete	5 days	20-05-26	25-05-26																												
1544	On Completion of 40% Bituminous Concrete	7 days	26-05-26	02-06-26																												
1545	On Completion of Shoulders & finishing works	21 days	03-06-26	09-07-26																												
1546	On Completion of hard standings (Signages)	15 days	06-06-26	02-07-26																												
1547	On testing	35 days	26-05-26	25-07-26																												
1548	On Commissioning	90 days	25-05-26	22-08-26																												
1549	Strengthening and Resurfacing of existing access road from Eastern Express Highway to new Site Access	123 days	24-02-26	22-08-26																												
1550	On Completion of 25% strengthening & resurfacing of existing road	15 days	24-02-26	12-03-26																												
1551	On Completion of 50% strengthening & resurfacing of existing road	15 days	13-03-26	30-03-26																												
1552	On Completion of 75% strengthening & resurfacing of existing road	15 days	31-03-26	18-04-26																												
1553	On Completion of 100% strengthening & resurfacing of existing road	15 days	20-04-26	06-05-26																												
1554	On Completion of finishing works	15 days	07-05-26	23-05-26																												
1555	On testing	30 days	25-05-26	11-07-26																												
1556	On Commissioning	180 days	24-02-26	22-08-26																												
1557	Widening of existing access road from Eastern Express Highway to new Site Access Road***	362.5 days	01-04-25	13-08-26																												
1558	On Completion of 100% Widening of existing road	133.5 days	01-04-25	15-10-25																												
1559	On testing	14 days	25-05-26	09-06-26																												
1560	On Commissioning	30 days	10-06-26	13-08-26																												
1561	Improvement and construction of new Site Access Road	78 days	20-04-26	22-08-26																												
1562	On Completion of Earth Fill	7 days	20-04-26	27-04-26																												
1563	On Completion of Granular Sub base	10 days	28-04-26	08-05-26																												
1564	On Completion of Wet Mix Macadam	10 days	09-05-26	20-05-26																												
1565	On Completion of Dense bituminous Macadam	7 days	21-05-26	28-05-26																												
1566	On Completion of Bituminous Concrete	7 days	29-05-26	05-06-26																												
1567	On Completion of Shoulders & finishing works	2 days	06-06-26	08-06-26																												
1568	On testing	16 days	09-06-26	09-07-26																												
1569	On Commissioning	90 days	25-05-26	22-08-26																												
1570	Footpaths and surface finishes	74 days	11-04-26	28-07-26																												
1571	On Completion of 25% of total footpath	14 days	11-04-26	27-04-26																												
1572	On Completion of 50% of total footpath	21 days	20-04-26	13-05-26																												
1573	On Completion of 75% of total footpath	21 days	28-04-26	21-05-26																												
1574	On Completion of 100% of total footpath	28 days	06-05-26	06-06-26																												
1575	On Completion of surface finishes	25 days	08-06-26	28-07-26																												
1576	Fencing and gates	130 days	23-01-26	08-07-26																												



Rev-01 Date: 28.10.2022	Task		External Tasks		Manual Task		Finish-only		Manual Progress
	Split		External Milestone		Duration-only		Deadline		
	Milestone		Inactive Task		Manual Summary Rollup		Critical		
	Summary		Inactive Milestone		Manual Summary		Critical Split		
	Project Summary		Inactive Summary		Start-only		Progress		

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1577	On Completion of 25% of total RCC compound wall	30 days	23-01-26	27-02-26																												
1578	On Completion of 50% of total RCC compound wall	30 days	27-02-26	03-04-26																												
1579	On Completion of 75% of total RCC compound wall	30 days	03-04-26	11-05-26																												
1580	On Completion of 100% of total RCC compound wall	30 days	11-05-26	15-06-26																												
1581	On Completion of Gates	10 days	16-06-26	08-07-26																												
1582	Site lighting	213.5 days	23-10-25	22-08-26																												
1583	Submission of QAP, drawings & datasheets	7 days	23-10-25	04-11-25																												
1584	Approval of QAP, drawings & datasheets	30 days	04-11-25	17-12-25																												
1585	Inspection Call	7 days	25-02-26	05-03-26																												
1586	Inspection Completion	3 days	17-03-26	20-03-26																												
1587	On delivery at site	10 days	20-03-26	01-04-26																												
1588	On installation	30 days	01-04-26	08-05-26																												
1589	On Completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1590	Fire alarm system	213.5 days	23-10-25	22-08-26																												
1591	Submission of QAP, drawings & datasheets	7 days	23-10-25	04-11-25																												
1592	Approval of QAP, drawings & datasheets	30 days	04-11-25	17-12-25																												
1593	Inspection Call	7 days	25-02-26	05-03-26																												
1594	Inspection Completion	3 days	17-03-26	20-03-26																												
1595	On delivery at site	10 days	20-03-26	01-04-26																												
1596	On Installation	60 days	15-04-26	03-07-26																												
1597	On Completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1598	Site security system	203.5 days	07-11-25	22-08-26																												
1599	Submission of QAP, drawings & datasheets	15 days	07-11-25	01-12-25																												
1600	Approval of QAP, drawings & datasheets	45 days	01-12-25	02-02-26																												
1601	Inspection Call	7 days	15-04-26	23-04-26																												
1602	Inspection Completion	3 days	05-05-26	08-05-26																												
1603	On delivery at site	10 days	08-05-26	20-05-26																												
1604	On installation	30 days	01-06-26	27-07-26																												
1605	On Completion of testing & commissioning	90 days	25-05-26	22-08-26																												
1606	Operation and Maintenance of existing WwTF and Lagoons for 48 months	1096 days	23-08-22	22-08-26																												
1607	Cost for O&M of Bhandup existing WwTF per month	1096 days	23-08-22	22-08-26																												
1608	Treatment of Sludge from existing Lagoons 1 and 2 to make It Class B sludge including transport/disposal to MCGM designated location	840 days	06-07-23	08-08-26																												
1609	Lagoon 01	700 days	06-07-23	27-01-26																												
1610	Transporation and Disposal	700 days	06-07-23	27-01-26																												
1611	Lagoon 02	690 days	30-01-24	08-08-26																												
1612	Removing, Treating Sludge, Mixing Lime (on 100% completion)	450 days	30-01-24	30-09-25																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1613	Stablization till satisfactory laboratory test results to class B (on 50% Completion)	30 days	01-10-25	05-11-25																												
1614	Stablization till satisfactory laboratory test results to class B (on 100% Completion)	30 days	01-10-25	05-11-25																												
1615	Transporation and Disposal	90 days	27-03-26	08-08-26																												
1616	Treatment of Sludge from existing Lagoons 3 and 4 to make it Class B sludge including transport/disposal to MCGM designated location	110 days	14-10-26	22-02-27																												
1617	Lagoon 03	110 days	14-10-26	22-02-27																												
1618	Dewatering of lagoon 03	15 days	14-10-26	02-11-26																												
1619	Removing, Treating Sludge, Mixing Lime (on 25% completion)	30 days	02-11-26	08-12-26																												
1620	Removing, Treating Sludge, Mixing Lime (on 50% completion)	30 days	02-11-26	08-12-26																												
1621	Removing, Treating Sludge, Mixing Lime (on 75% completion)	30 days	08-12-26	12-01-27																												
1622	Removing, Treating Sludge, Mixing Lime (on 100% completion)	30 days	08-12-26	12-01-27																												
1623	Stablization till satisfactory laboratory test results to class B (on 50% Completion)	30 days	10-11-26	16-12-26																												
1624	Stablization till satisfactory laboratory test results to class B (on 100% Completion)	30 days	16-12-26	20-01-27																												
1625	Transporation and Disposal	28 days	20-01-27	22-02-27																												
1626	Lagoon 04	95 days	02-11-26	22-02-27																												
1627	Dewatering of lagoon 04	15 days	02-11-26	20-11-26																												
1628	Removing, Treating Sludge, Mixing Lime (on 25% completion)	30 days	20-11-26	25-12-26																												
1629	Removing, Treating Sludge, Mixing Lime (on 50% completion)	30 days	20-11-26	25-12-26																												
1630	Removing, Treating Sludge, Mixing Lime (on 75% completion)	30 days	25-12-26	29-01-27																												
1631	Removing, Treating Sludge, Mixing Lime (on 100% completion)	30 days	25-12-26	29-01-27																												
1632	Stablization till satisfactory laboratory test results to class B (on 50% Completion)	30 days	28-11-26	02-01-27																												
1633	Stablization till satisfactory laboratory test results to class B (on 100% Completion)	30 days	02-01-27	06-02-27																												
1634	Transporation and Disposal	28 days	20-01-27	22-02-27																												
1635	Price Schedule A1.10 – Tests on Completion and Training	123 days	24-02-26	22-08-26																												
1636	Testing of preliminary treatment system	123 days	24-02-26	22-08-26																												
1637	On testing of system	90 days	24-02-26	10-06-26																												



Rev-01 Date: 28.10.2022	Task	External Tasks	Manual Task	Finish-only	Manual Progress
	Split	External Milestone	Duration-only	Deadline	
	Milestone	Inactive Task	Manual Summary Rollup	Critical	
	Summary	Inactive Milestone	Manual Summary	Critical Split	
	Project Summary	Inactive Summary	Start-only	Progress	

Project Schedule dates are subject to Engineering and Design and actual progress.

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ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1638	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1639	Testing of primary treatment system	123 days	24-02-26	22-08-26																												
1640	On testing of system	90 days	24-02-26	10-06-26																												
1641	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1642	Testing of biological treatment system	123 days	24-02-26	22-08-26																												
1643	On testing of system	90 days	24-02-26	10-06-26																												
1644	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1645	Testing of Module 1 of tertiary treatment system of capacity 108 MLD	123 days	24-02-26	22-08-26																												
1646	On testing of system	90 days	24-02-26	10-06-26																												
1647	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1648	Testing of sludge treatment system	123 days	24-02-26	22-08-26																												
1649	On testing of system	90 days	24-02-26	10-06-26																												
1650	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1651	Testing of the Energy Recovery Systems	123 days	24-02-26	22-08-26																												
1652	On testing of system	90 days	24-02-26	10-06-26																												
1653	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1654	Testing of SCADA/PLC system	123 days	24-02-26	22-08-26																												
1655	On testing of system	90 days	24-02-26	10-06-26																												
1656	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1657	Process Commissioning	123 days	24-02-26	22-08-26																												
1658	On testing of system	90 days	24-02-26	10-06-26																												
1659	On successful commissioning of system	90 days	03-04-26	22-08-26																												
1660	Plant Proving Period including 30 day Liquid Proving Period and 20 day Sludge Proving Period	70 days	24-02-26	18-05-26																												
1661	On Completion of Liquid proving period for preliminary treatment system	30 days	24-02-26	30-03-26																												
1662	On Completion of Liquid proving period for primary treatment system	30 days	24-02-26	30-03-26																												
1663	On Completion of Liquid proving period for biological treatment system	30 days	24-02-26	30-03-26																												
1664	On Completion of Liquid proving period for tertiary treatment system	20 days	31-03-26	24-04-26																												
1665	On Completion of Sludge proving period for sludge treatment system	20 days	25-04-26	18-05-26																												
1666	Provision of training for Employer's staff prior to Operation Service Period	115 days	24-02-26	04-08-26																												
1667	On Completion of 25% training for Employer's staff prior to Operation Service Period	45 days	24-02-26	18-04-26																												
1668	On Completion of 50% training for Employer's staff prior to Operation Service Period	45 days	24-02-26	18-04-26																												

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES
NATIONAL WATER DEVELOPMENT BOARD
NEW DELHI

Manual Progress



Rev-01
Date: 28.10.2022

Task
Split
Milestone
Summary
Project Summary

External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary

Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only

Finish-only
Deadline
Critical
Critical Split
Progress

Manual Progress

Project Schedule dates are subject to Engineering and Design and actual progress,
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Construction Program - 215 MLD Mumbai Sewage Disposal Project Stage II - Bhandup WwTF

ID	Task Name	Duration	Start	Finish	2022				2023				2024				2025				2026				2027				2028			
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1669	On Completion of 75% training for Employer's staff prior to Operation Service Period	40 days	20-04-26	04-06-26																												
1670	On Completion of 100% training for Employer's staff prior to Operation Service Period	30 days	05-06-26	04-08-26																												
1671	Provision of training for Contractor's Operation and Maintenance staff	105 days	24-02-26	11-07-26																												
1672	On Completion of 25% training for Contractor's Operation and Maintenance staff	45 days	24-02-26	18-04-26																												
1673	On Completion of 50% training for Contractor's Operation and Maintenance staff	45 days	24-02-26	18-04-26																												
1674	On Completion of 75% training for Contractor's Operation and Maintenance staff	30 days	20-04-26	23-05-26																												
1675	On Completion of 100% training for Contractor's Operation and Maintenance staff	30 days	25-05-26	11-07-26																												

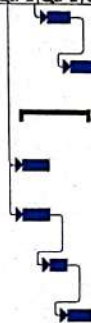
NOTARY

RAHUL N. TAMBE

DIST. MUMBAI

REG. NO. 5169

GOVT. OF INDIA



Rev-01
Date: 28.10.2022

Task		External Tasks		Manual Task		Finish-only		Manual Progress	
Split		External Milestone		Duration-only		Deadline			
Milestone		Inactive Task		Manual Summary Rollup		Critical			
Summary		Inactive Milestone		Manual Summary		Critical Split			
Project Summary		Inactive Summary		Start-only		Progress			

Project Schedule dates are subject to Engineering and Design and actual progress.
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