BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,

WESTERN ZONE BENCH, PUNE,

AT PUNE

ORIGINAL APPLICATION NO.113 OF 2025 (WZ)

Life Republic Seven Avenue
Cooperative Housing Society Ltd. **... APPLICANT**

VERSUS

M/s. Kolte Patil I-Ven Townships (Pune) Ltd. and others. **… RESPONDENTS**

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Pune:

Date: 15/06/2026

Advocate for the Respondent No.1

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ADDITIONAL AFFIDAVIT ON BEHALF OF RESPONDENT NO. 1 DEMONSTRATING SUBSEQUENT DEVELOPMENTS AND COMPLIANCE

MAY IT PLEASE THE HON'BLE TRIBUNAL

I, Mr. Suhas Mahajan, Age: Major, Occupation: Service, Authorized Signatory of Respondent No.1, having office address at Pune, do hereby state on solemn affirmation as under:

1. I am the Authorized Signatory of Respondent No. 1 in the present matter and am well conversant with the facts and circumstances of the case, as well as the technical and engineering developments on site. As such, I am competent to depose to this Additional Affidavit.

2. I say and submit that this Additional Affidavit is being filed to place on record the extensive corrective actions, engineering augmentations, and compliance measures undertaken by Respondent No.1 regarding the 750 KLD Sewage Treatment Plant (STP) serving the Sector R7 premises, subsequent to the order passed by this Hon'ble Tribunal.

3. **CHRONOLOGY OF SUBSEQUENT DEVELOPMENTS AND COMPLIANCE:**

   - This Hon'ble Tribunal, vide its order dated January 13, 2026, was pleased to grant a period of two (2) months to ensure that the Sewage Treatment Plant (STP) at the Life Republic R7 Sector is in proper and optimal functioning condition.
   - In strict compliance with the letter and spirit of the judicial directions, Respondent No. 1 formally approached the **COEP Technological University, Pune** vide a letter dated 13TH February, 2026, requesting an independent and authoritative evaluation and adequacy report for the 750 KLD STP located at Village Jambe, Sector R7, Tal. Mulshi, Dist. Pune. Copy of the letter dated 13th February 2026 is annexed hereto and marked as **ANNEXURE – R-1**.
   - To ensure complete transparency and verification in the monitoring process, Respondent No. 1 submitted a formal written request to the Regional Officer of the **Respondent No.4 (MPCB), Pune** on 17th February, 2026. This request sought the deputation of authorized regulatory personnel to visit the site and collect samples of both Raw Sewage and

Treated Sewage. Copy of the letter dated 17th February 2026 is annexed hereto and marked as **ANNEXURE – R-2**.

- Following the requisition, Dr. Parag Sadgir, Professor in the Civil Engineering Department at COEP Technological University, Pune, conducted an exhaustive technical site visit and inspection of the R7 STP facility on 16th February, 2026.
- On 20th March, 2026, COEP Technological University issued its Interim Adequacy Report (Ref No: COEP TECH/Civil/CED/2026/PAS/5752), detailing scientific observations and specific technical recommendations to ensure the STP consistently meets the treated sewage benchmarks prescribed by MPCB norms for reuse in flushing and gardening. Copy of the interim report is annexed hereto and marked as **ANNEXURE – R-3**.

4. I say that Respondent No.1 immediately accepted the recommendations of the COEP expert team and systematically executed the following engineering modifications to optimize the operational efficiency of the 750 KLD biological treatment system:
   - **Aeration System Upgradation:** The biological treatment loop was enhanced through the installation of additional high-efficiency fine-bubble EPDM Membrane Disc Diffusers.
   - **Blower Capacity Augmentation:** The mechanical air blower systems were augmented and precisely recalibrated to efficiently fulfil optimal oxygen transfer demands across changing organic loading rates.

- **Optimization of Operational Parameters:** Key parameters are being rigorously monitored and maintained on-site, keeping Dissolved Oxygen (DO) levels in the Aeration Tank strictly within the ideal range of 2.0 to 4.0 mg/L. The specific air flow through individual diffusers has been streamlined to 6–8 Nm^3/hr to prevent any dead zones and ensure sustained MBBR media fill fraction movement.
- **Odor Control & Structural Modifications:** In line with recommendations to enhance aerobic circulation and totally eliminate odor issues, critical core cutting was executed on-site, providing additional structural openings within the aeration tank assembly to maintain a perfect aerobic environment.

5. I say that Respondent No. 1 that upon successful completion of all the physical, engineering, and process corrections, a comprehensive **Compliance Report** was prepared. I say that on 4th June 2026, Respondent No.1 formally submitted this detailed compliance compilation, along with supporting technical documents and recent treated water laboratory test reports, to Dr. Parag Sadgir at the Civil Engineering Department, COEP Technological University, Pune for final perusal and administrative closure.
6. I further say and submit that subsequent to the submission of the compliance report, COEP Technological University, Pune issued an official communication vide Ref No.: COEP/Civil/Env./2026/PAS/1107 dated 15th June, 2026. Through this letter, Dr. Parag Sadgir has formally acknowledged receipt of Respondent No.1's compliance compilation and has scheduled an

official verification site visit on 18th June, 2026 at 3:00 p.m. to physically check and verify the implemented engineering works. COEP Tech has further committed to submitting its final verification report within eight (8) days of the site visit. Copy of the said letter dated 15th June 2026 is annexed hereto and marked as ANNEXURE – R-4.

7. I say and submit that the Environmental Compliance and water quality standards at the project site 'LIFE REPUBLIC' located at S-No 74, Marunji, Pune-411057, are being strictly monitored and maintained in accordance with law. The latest Test Reports dated 15/05/2026 and 09/06/2026, issued by M/s Ultra Tech Environmental Consultancy and Laboratory Private Limited (an NABL accredited and MoEF&CC recognized laboratory), which conclusively establish compliance with the Maharashtra Pollution Control Board (MPCB) consent parameters. Copy of the said reports dated 15/05/2026 and 09/06/2026 are annexed hereto and marked as ANNEXURE - R - 5 folly
8. I state that the 750 KLD STP serving Sector R7 is now fully stabilized, adequately scaled, structurally enhanced, and operating in complete compliance with the statutory environment norms prescribed by the Respondent No.4.
9. In light of the above-mentioned subsequent developments and verified actions, it is respectfully prayed that this Hon'ble Tribunal may be pleased to take the present Additional Affidavit and compliance documentation on record and pass appropriate orders.

Solemnly affirmed at Pune on this 15th day of June, 2026.

BEFORE ME

GORAKH V. KIRVE
NOTARY
GOVT. OF INDIA

15 JUN 2026

DEPONENT

NOTARY GORAKH VITTHAL KIRVE Reg. No. 5511 DISTRICT PUNE EXPIRY DATE 12/03/2028 GOVERNMENT OF INDIA

Noted & Registered at Sr. No. 1342/2026

ANNEXURE-R-1

Date : 13/02/2026

To,
Vice Chancellor
COEP Technological University Pune

Kind Attention: Dr. Parag Sadgir, Professor in Environmental Engineering, Civil Engineering Department, COEP Technological University Pune

Subject :-Adequacy report of Sewage Treatment plant of Village Jambe New Survey No.86 (PART) {83(Part), 82/1(Part), 82/2(Part), 82/3(Part),111/1a/1(Part),111/1b(Part) 111/2(Part), } Sector R7 Tal.MulshiDist.Pune.

Sir,

We would like to request you for Adequacy report of Sewage Treatment plant of Village Jambe, Tal. Mulshi, Dist. Pune(Sector R-7) S. No. 86 (PART) {83(Part), 82/1(Part), 82/2(Part), 82/3(Part), 111/1a/1(Part), 111/1b(Part), 111/2(Part),}

We will submit the necessary documents before site visit.

1. SEAC report
2. MPCB Consent to establish
3. Design basis report
4. Drawings of Sewage Treatment plant

Kindly conduct site visit and prepare an adequacy report. We are ready to pay the applicable charges

Signature :

Name : M/s. Kolte Patil Developers Ltd.through Mr. Suhas Mahajan

Organisation : Service

Address : Village Jmabe, Tal. Mulshi, Dist.Pune

Mobile number : 9765550957

13/02/26

TRUE COPY ADVOCATE

LIFE REPUBLIC by KOLTE-PATIL | KOLTE • PATIL Creation, not Construction.

Date: 17.02.2026

ANNEXURE-R-2

To,
The Regional Officer,
Maharashtra pollution Control Board,
Jog Center, 3rd floor,
Mumbai Pune Road, Wakdewadi,
Pune - 411003

Subject: Request for Sample Collection of Raw Sewage and Treated Sewage of STP at Life Republic R7 premises in connection to NGT Order dated 13/01/2026

Reference- NGT order dated 13/01/2026

Respected Sir/Madam,

We kindly request your support in facilitating the collection of Sewage Treatment Plant (STP) samples. As per the NGT order we have got 2 months' period to get the STP in proper functioning condition at the Life Republic R7 Sector.

As part of the compliance requirements and to ensure complete transparency in the monitoring process, we seek the department's assistance in arranging for authorised personnel to visit the site and carry out the sample collection. We assure you of full cooperation from our team during the activity, and all necessary arrangements will be made to ensure a smooth and efficient process.

We request you to kindly approve and arrange for the sample collection

Thanking You

Yours Faithfully,

For, **M/s. Kolte Patil Integrated Townships Limited**

Authorized Signatory

TRUE COPY ADVOCATE

17/02/2026
Received on Dt.....
Clerk
R. O. M. P. C. B. Pune

ANNEXURE-R-3

LIFE REPUBLIC
R7 STP REPORT

Subject: improvement in existing Sewage Treatment plant of 750 KLD of Kolte Patil Developers "Life Republic", at S. No 86(Part), 83(Part), 82/1(Part),82/2(Part), 82/3(Part), I I l/la/l (Part), I l 1/1 b(Part), 1 1 1/2, Sector R7, Tal Mulshi, Pune, Maharashtra.

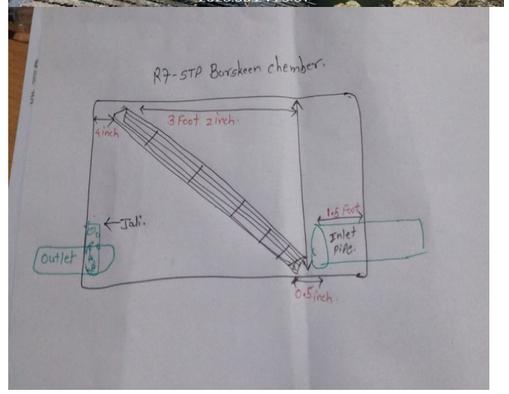
Reference: Interim Adequacy report Ref No. COEP TECH/Civil/CED/ 2026/PAS/5752 dated 20.03.2026

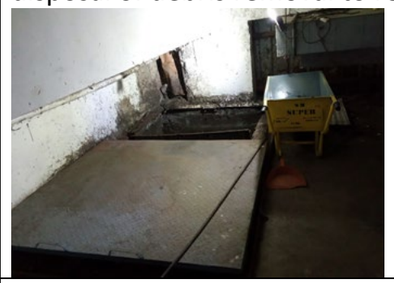
Dear Sir,

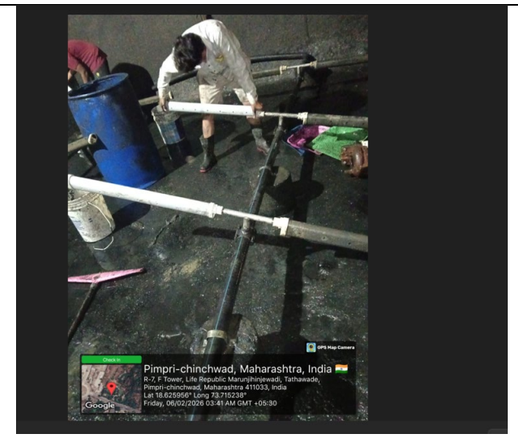
We are enclosing herewith detail improvement reports based on your recommended changes observations and recommendations of existing Sewage Treatment plant of 750 KLD of Kolte Patil Developers "Life Republic", at S. No 86(Part), 83(Part), 82/3(Part), 82/1(Part), 82/1(Part), 82/3(Part), 111/1a/l (Part), 1 1 1/1 b(Part), 1 1 1/2, Sector R7, Tal Mulshi, for achieving required sewage quality as per MPCB norms for reuse for flushing and gardening.

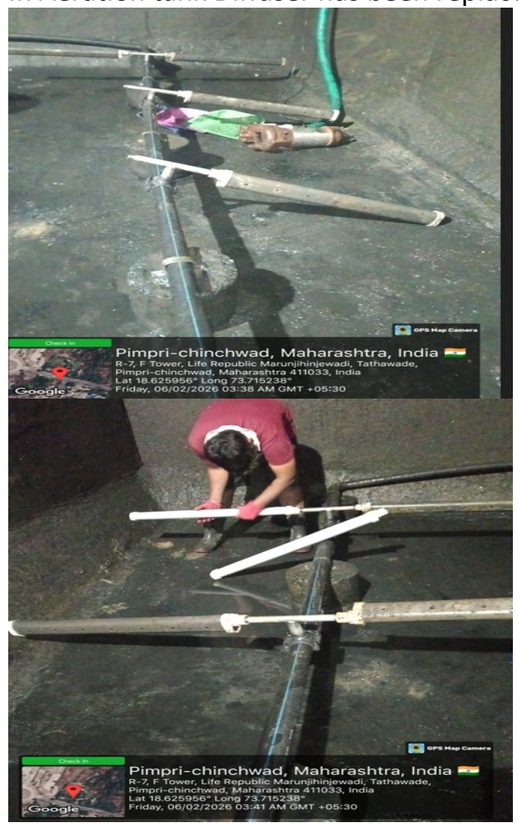
	Comments from COEP	Action taken by developer against recommendation from COEP	Evidence
1	As STP was designed for 20 hours operation daily and outlet standards for BOD 30 mg/l in 3 Days at 27 Deg. C and suspended solids 50 mg/l , it is recommended to redesign the required unit for achieving revised standards for domestic effluents as per MPCB guidelines	**Proposed Technical Compliance Reply:** The recommendation has been reviewed in detail with reference to the original design basis, existing hydraulic and organic loading conditions, present process performance, and the latest MPCB treated sewage reuse standards. The existing 750 KLD Sewage Treatment Plant was originally designed and commissioned based on the prevailing regulatory requirements, wherein the treated effluent quality criteria were BOD ≤ 30 mg/L and TSS ≤ 50 mg/L. Subsequently, MPCB/CPCB norms for reuse of treated sewage in flushing, gardening and non-potable applications have become more stringent, necessitating enhanced treatment performance. Based on the assessment findings, process enhancement measures including optimization of aeration efficiency, verification of MBBR media inventory, strengthening of tertiary treatment systems, and operational control improvements are being implemented. These measures are intended to ensure sustained compliance with the latest MPCB treated effluent standards for reuse in flushing and landscaping applications. The performance of the upgraded STP shall be validated through regular monitoring and analysis of treated water quality by NABL-accredited laboratories. Compliance	The STP was designed as per Prevailing MPCB norms at that time as prescribed by the board or under EP Act 1986. On same basis we got the Consent to Operate on 2015. In 2019 the norms were changed. So, on the revised norms we had upgraded the STP.

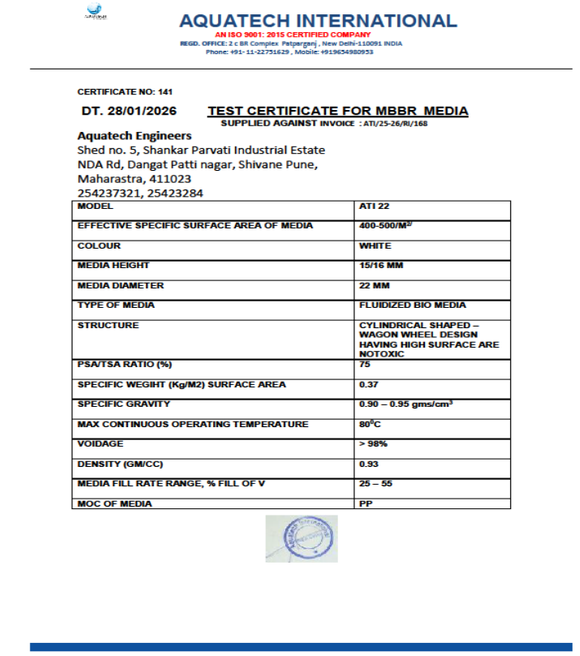
		reports shall be maintained and submitted to the concerned authorities as and when required. Accordingly, a comprehensive technical assessment of the existing treatment process has been undertaken. The assessment includes evaluation of: • Hydraulic retention time (HRT) • Organic loading rate (OLR) • Food-to-Microorganism (F/M) ratio • Dissolved Oxygen (DO) availability • MBBR media filling ratio • Aeration efficiency • Clarification efficiency • Tertiary treatment performance • Disinfection efficiency • Actual inflow versus design flow conditions • Based on the assessment, necessary process optimization and upgradation measures have been initiated to ensure compliance with the revised MPCB standards for treated sewage reuse applications. The improvement plan includes strengthening of biological treatment efficiency, optimization of aeration systems, verification of media adequacy, enhancement of tertiary treatment units, and implementation of performance monitoring protocols. Further, the STP shall be operated and monitored to consistently achieve the applicable MPCB discharge/reuse standards through process modifications and operational improvements, without compromising treatment capacity or environmental compliance requirements. Post implementation of the recommended improvements treated effluent quality shall be monitored through periodic testing from NABL-accredited laboratories, and performance records shall be maintained for verification of compliance with prevailing MPCB norms. Therefore, the recommendation has been duly noted, and necessary engineering review, process optimization, and upgradation measures are being implemented to ensure that the STP consistently achieves the revised treated effluent quality standards prescribed by MPCB for sewage reuse applications.	

2	**Bar Screen:** It is recommended to provide Bar screen at 45 0 to 60 0 inclination. It is recommended to avoid clogging and ponding of sewage. It is recommended to provide efficient debris disposal to minimize odour during the collection and transfer of debris.	**Response:** The corrective measures have been initiated for improving the hydraulic and operational efficiency of the inlet screening system. The existing bar screen arrangement has been assessed from the standpoint of screening efficiency, ease of maintenance, and prevention of upstream sewage stagnation. The bar screen assembly is being modified/provided with an inclination within the recommended range of **45° to 60° from horizontal**, which is considered an industry-standard configuration for sewage treatment facilities. This arrangement facilitates improved solids interception, reduces hydraulic resistance, minimizes head loss across the screen, and enhances ease of manual/mechanical raking operations. To prevent clogging, choking, and sewage ponding conditions at the inlet chamber, a preventive maintenance protocol has been established for periodic screen cleaning and inspection. The inlet channel hydraulic profile has also been reviewed to ensure uninterrupted sewage flow and avoidance of excessive upstream accumulation of screenings. Further, a dedicated screening collection and disposal mechanism has been implemented whereby collected debris is transferred to covered collection containers immediately after removal from the bar screen. The screenings are dewatered, handled in a hygienic manner, and disposed of through authorized solid waste management channels in accordance with applicable environmental and municipal guidelines. Additionally, odour control measures including frequent removal of screenings, housekeeping protocols, and regular cleaning of the bar screen chamber are being implemented to minimize anaerobic decomposition and associated odour nuisance. These measures are expected to improve the overall operational reliability of the preliminary treatment unit, enhance protection of downstream electro-mechanical equipment, and support sustained compliance with the desired treatment performance objectives of the STP. **Considering available headroom at Screen Chamber and oil and grease chamber. During removal of screening material & floating oil necessary safety measures for STP operators are taken like helmets. Safety goggles , Hand gloves etc.**	Existing system is sufficient to cater the load, Bar Screen 45° is completed.  

	It is recommended for regular interval cleaning to avoid odour.	**During Operation and Maintenance, we have ensured regular removal of floating oil and cleaning of oil collection chambers to avoid foul odour.**	Wheel barrow has been provided to immediate disposal of debris removal to reduce odour. 
3	**<u>Equalization Tank:</u>** It is recommended to provide sufficient aeration in equalization tank to maintain aerobic condition to minimize odour and improve sewage treatment. It is recommended to provide proper support to air grid at tank bottom.	**Compliance / Action Taken:** In line with the recommendations of COEP Technological University, the Equalization Tank aeration system has been substantially upgraded to ensure continuous aerobic conditions within the tank and to enhance the overall biological treatment performance of the STP. The existing aeration arrangement has been augmented by installing additional fine-bubble diffuser assemblies within the Equalization Tank and optimizing the air distribution network. Further, the total aeration capacity of the STP has been enhanced to approximately **475 m^3/hr.**, thereby ensuring adequate oxygen transfer and effective mixing throughout the Equalization Tank as well as downstream biological treatment units. The enhanced aeration system facilitates: • Sufficient Storage Facility in Equalisation Tanks I & II to cater to peak flow of sewage during peak hours • Maintenance of aerobic conditions within the Equalization Tank. • Prevention of septic conditions and anaerobic decomposition. • Significant reduction in hydrogen sulphide (H_2S), ammonia, and other odour-causing compounds. • Improved homogenization of incoming sewage flow and pollutant load. • Reduction in shock loading on downstream biological treatment processes. • Enhanced biodegradation efficiency and process stability. • Additionally, the diffuser grid assembly at the tank bottom has been inspected and strengthened with suitable mechanical support and anchoring	Diffuser has been changed at the time of tank cleaning, please find the attached images for your reference.  

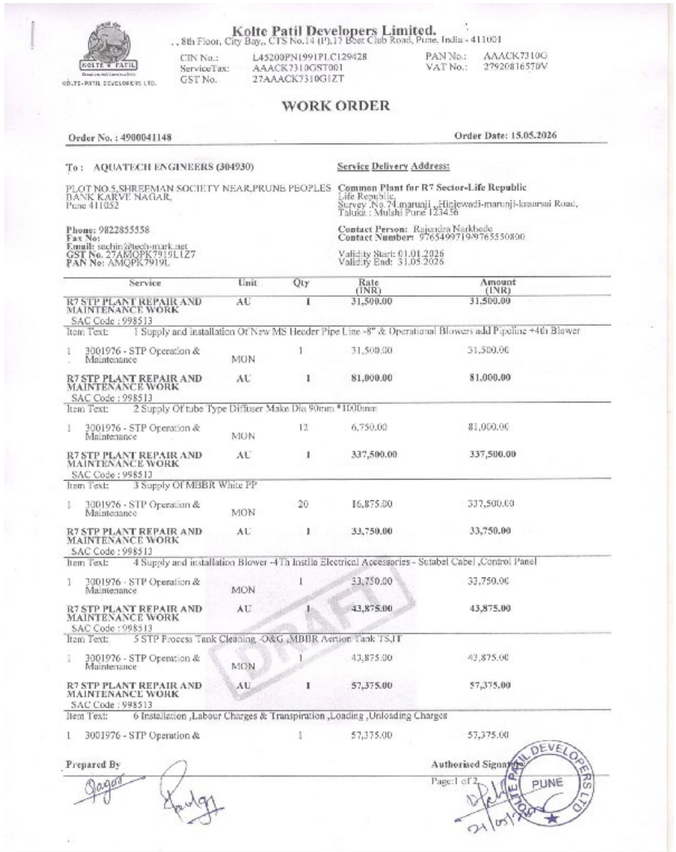
		arrangements to ensure uniform air distribution, structural stability, and long-term operational reliability under continuous service conditions. Post-implementation observations indicate improved mixing characteristics, elimination of stagnant zones, reduction in odour generation, and improved process conditions for subsequent biological treatment stages, thereby supporting compliance with the desired treated effluent quality standards as per applicable MPCB guidelines. This language is suitable for submission to COEP, MPCB, consultants, and statutory authorities.	
	For sewage transfer pumps, negative suction may cause dry run of the pump. It is recommended to Provide Priming pot.	**From Equalisation Tank I & II To transfer Raw sewage into next compartment Submersible Pumps were installed of required head & discharge.**	We have provided Submersible pumps. PFA Images  

4	**Aeration Tank:** As per the information provided and observations, fine bubble diffusion is provided in the aeration tank. Required number of diffusers are 80 with air flux rate 7.5 m3 per hour. It is recommended to verify sufficient dissolved oxygen supply from aerators for aeration in aeration tank. It is recommended for verification and necessary modifications by adding diffusers/replacing existing diffusers for ensuring adequate aeration to achieve required pollutant removal efficiency. Required MBBR media is 40 as per design in aeration tank. It is recommended to verify that MBBR Media quantity is more than 40 m3 and if insufficient or damaged, necessary corrective action need to be taken. Required Air blower capacity for aeration tank is 600 m3/hour for aeration tank. It is recommended to check the blower capacity to ensure the adequate supply of air for equalization tank, aeration tank and treated water tank.. 3 with 475 m3/hour are provided in basement. It is recommended to ensure sufficient ventilation in basement around air blowers. It is recommended to check the capacity of air blowers to ensure the adequate supply of air in the aeration tank. It is recommended to provide more openings for aeration tank to maintain aerobic condition and to avoid smell. It is recommended to check the blower noise level to the compliance norms as per The Noise Pollution (Regulation and Control) Rules, (rule 3(1) and 4(1) residential area daytime (6.00 a.m. to 10.00	**Compliance Status / Action Taken:** **Fluidized Aerobic Bio Tank I (FAB-I) and Fluidized Aerobic Bio Tank II (FAB II):** The recommendation has been duly implemented and the aeration system of the STP has been comprehensively upgraded to ensure adequate oxygen transfer efficiency, enhanced biological treatment performance, and sustained compliance with treated effluent quality requirements. As part of the corrective measures, additional fine bubble diffusers have been installed in the aeration tanks***/(FAB-I & FAB II).*** and the existing aeration network has been optimized to achieve improved air distribution and uniform oxygen transfer throughout the biological treatment zone. The upgraded diffuser arrangement ensures effective mixing, prevention of dead zones, and maintenance of aerobic conditions required for efficient biodegradation of organic pollutants. Further, the air supply system has been strengthened by installation and commissioning of additional air blowers. The total available blower capacity has been enhanced to approximately **475 m³/hr additional aeration capacity**, thereby substantially improving the overall oxygen delivery rate to the treatment process. The upgraded blower-diffuser system has been hydraulically and operationally integrated to ensure continuous and reliable air supply to the Equalization Tank, Aeration Tank ***(FAB-I & FAB II)***, and Treated Water Tank as per process requirements. The dissolved oxygen (DO) levels in the aeration tanks are being monitored, and operational controls have been established to maintain optimum DO concentration required for FAB / MBBR-based biological treatment. The enhanced aeration arrangement ensures effective pollutant removal, improved BOD and COD reduction efficiency, and stable biological activity within the reactor. Additionally, the ***FAB/*** **MBBR** media inventory has been physically verified during the system improvement works. The installed media quantity is maintained as per process design requirements, and periodic inspections are carried out to assess media integrity, retention efficiency, and reactor performance. Any damaged or deficient media, if observed during routine inspections, shall be replaced immediately to maintain the designed specific surface area and treatment efficiency. With the implementation of the above modifications, the aeration system capacity, oxygen transfer efficiency, and process reliability have been significantly improved. The upgraded arrangement is capable of maintaining the required aerobic conditions	In Aeration tank Diffuser has been replaced. 

	p.m.) 55 dB(A) Leq and 45 dB (A) Leq (Nighttime 10.00 p.m. to 6.00 a.m.)).	for biological treatment and supporting achievement of the treated sewage quality standards prescribed by MPCB for reuse applications such as flushing and landscaping. **BLOWER & DIFFUSER DETAILS:** **In Aeration Tank / FAB-I & FAB II Reactor System** Fine bubble diffusion system is provided in the aeration tank. Required number of diffusers are 80 Nos. with air flux rate of 7.5 m^3/hr. per diffuser. Required MBBR media quantity is 40 m^3. Required blower capacity for aeration tank is 600 m^3/hr. Air blowers of 475 m^3/hr. capacity 3(2W+1S) were observed. Verification of dissolved oxygen availability, diffuser adequacy, blower capacity, FAB/MBBR media quantity, ventilation, odour control and noise levels was recommended. **Technical Actions Undertaken** **1. Air Blower Capacity Assessment and Augmentation** A detailed assessment of oxygen demand, airflow requirement and biological loading of the 750 KLD STP was carried out. The aeration system is presently equipped with: Equipment Capacity Quantity Air Blower475 m^3/hr3 Nos. Accordingly, the total installed blower capacity available is: **475 × 3 = 1,425 m^3/hr.** This capacity is substantially higher than the minimum design requirement of **600 m^3/hr.** specified for the aeration tank and is adequate to cater to the cumulative air demand of: • Equalization Tank • FAB /Aeration Tank – I • FAB / Aeration Tank – II • Treated Water Tank Aeration System • The blower operation logic has been optimized to ensure adequate oxygen transfer under varying hydraulic and organic loading conditions while maintaining standby redundancy. **2. Fine Bubble Diffuser Augmentation** The complete diffuser network was inspected and evaluated for air distribution efficiency.	 GREEN ENVIRO PLASTIC PRODUCTS FINE BUBBLE TUBE TYPE DIFFUSERS Tube Type diffuser is developed for enhancing the efficiency and operating models of the activated sludge processes for wastewater biological treatment We offer Tube Diffuser also called as fine bubble air diffuser, tubular diffuser, membrane diffuser, fine diffuser, bubble diffuser in varied specifications as per the requirement of the customers. FINE BUBBLE DISC DIFFUSER DISC-245 / DISC-330 SPECIFICATION FINE BUBBLE TUBE TYPE DIFFUSERS SPECIFICATIONS COARSE BUBBLE DIFFUSER SPECIFICATIONS  AQUATECH INTERNATIONAL AN ISO 9001: 2015 CERTIFIED COMPANY REGD. OFFICE: 2 c BR Complex Patparganj , New Delhi-110091 INDIA Phone: +91- 11-22731629 , Mobile: +919654980933 CERTIFICATE NO: 141 DT. 28/01/2026 TEST CERTIFICATE FOR MBBR MEDIA SUPPLIED AGAINST INVOICE : ATI/25-26/RI/168 Aquatech Engineers Shed no. 5, Shankar Parvati Industrial Estate NDA Rd, Dangat Patti nagar, Shivane Pune, Maharastra, 411023 254237321, 25423284 MODEL — ATI 22 EFFECTIVE SPECIFIC SURFACE AREA OF MEDIA — 400-500/M² COLOUR — WHITE MEDIA HEIGHT — 15/16 MM MEDIA DIAMETER — 22 MM TYPE OF MEDIA — FLUIDIZED BIO MEDIA STRUCTURE — CYLINDRICAL SHAPED -- WAGON WHEEL DESIGN HAVING HIGH SURFACE ARE NOTOXIC PSA/TSA RATIO (%) — 75 SPECIFIC WEGIHT (Kg/M2) SURFACE AREA — 0.37 SPECIFIC GRAVITY — 0.90 – 0.95 gms/cm³ MAX CONTINUOUS OPERATING TEMPERATURE — 80°C VOIDAGE — > 98% DENSITY (GM/CC) — 0.93 MEDIA FILL RATE RANGE, % FILL OF V — 25 – 55 MOC OF MEDIA — PP

		The aeration system has been upgraded through installation of additional fine bubble membrane diffusers and replacement of aged/choked diffusers wherever required. Current diffuser arrangement: • Fine Bubble Disc Diffusers Installed • Air Flux Rate: 7.5 m^3/hr per diffuser • Total Diffusers Provided: More than 80 Nos. • Diffuser Distribution: Uniformly distributed across Aeration Tank–I and Aeration Tank–II • The diffuser grid has been rebalanced to ensure: • Uniform air distribution • Elimination of dead zones • Improved oxygen transfer efficiency • Improved mixing intensity • Prevention of sludge deposition • Dissolved Oxygen Optimization Following installation of additional diffusers and optimization of blower operation, the biological reactors are maintaining aerobic conditions throughout the treatment cycle. has been incorporated into the operational protocol to ensure adequate oxygen availability for: • BOD removal • COD reduction • Biofilm activity on MBBR media • The upgraded aeration system is capable of maintaining process DO levels required for effective biological treatment. **4. FAB /MBBR Media Verification** The MBBR carrier media inventory was physically verified against design requirements. Parameter Design Requirement Status FAB / MBBR Media Quantity 40 m^3Available and Verified The media filling ratio was checked and found adequate for sustaining the required biomass concentration and attached growth biological process. Media retention screens were inspected and found operational. Damaged media, wherever identified, was removed and replenished.	We have installed the additional aeration tubes in the aeration tank and have checked the Dissolved Oxygen (DO) Level and it is as per required standards

		5. FAB I & FAB II /Aeration Tank Ventilation Enhancement To prevent accumulation of foul gases and improve aerobic conditions, ventilation provisions around biological treatment units have been enhanced. Additional ventilation and openings and air circulation arrangements have been provided around: • Aeration Tank • Blower Room • Biological Treatment Area • These measures have improved air exchange rates and operational safety. **6. Odour Mitigation Measures** Several corrective measures have been implemented for odour control: • Increased aeration intensity • Additional diffusers • Improved air circulation • Regular sludge withdrawal • Preventive cleaning schedule • Continuous aerobic operation of reactors • These measures have substantially reduced the possibility of septic conditions and odour generation. **7. Noise Compliance Measures** The blower installation was reviewed with reference to the Noise Pollution (Regulation and Control) Rules. The following measures have been implemented: • Preventive maintenance of blowers • Vibration isolation pads • Acoustic enclosure treatment around blower area • Improved ventilation within blower room • These measures help maintain operational noise levels within prescribed environmental norms. **Technical Conclusion** Subsequent to implementation of the above improvements, the biological treatment system has been significantly strengthened through provision of **1,425 m³/hr. total installed blower capacity (3 Nos. × 475 m³/hr.), augmentation of fine bubble diffusers beyond the minimum design requirement of 80 Nos., verification of 40 m³ MBBR media inventory, enhancement of ventilation systems, and implementation**	

		of odour and noise control measures. *The upgraded aeration system is capable of providing adequate oxygen transfer efficiency for maintaining aerobic conditions and achieving the desired pollutant removal efficiency as stipulated under the STP design criteria and MPCB requirements.* **Number of diffusers currently installed - Approx 80 No's** • **Diffuser make/model (e.g., EDI, Aqua, Fine pore, SSI etc.) as attached technical specs** • **Additional blower installed, - 475 m³/hr. for redundancy** • **Actual FAB /MBBR media quantity available (40 m³ approx.)**	
	Media is provided for installation in aeration tank. It is recommended to verify quantity of FAB/MBBR media and if insufficient or damaged, necessary corrective action needs to be taken	Technical specification for the MBBR media is attached herewith for the reference and added addition quantity of MBBR media as suggested and recommendations from COEP. 	20 Cubic Meter FAB / MBBR Media has been added in both the Phases. On 17th March-2026. 

Kolte Patil Developers Limited.
8th Floor, City Bay,, CTS No.14 (P),17 Boat Club Road, Pune, India - 411001
CIN No.: L45209PN1991PLC129428 PAN No.: AAACK7310G
ServiceTax: AAACK7310GST001 VAT No.: 27920816570V
GST No. 27AAACK7310G1ZT

WORK ORDER

Order No. : 4900041148 Order Date: 15.05.2026

To : AQUATECH ENGINEERS (304930)

PLOT NO.5,SHREEMAN SOCIETY NEAR,PRUNs PEOPLES BANK KARVE NAGAR, Pune 411052

Phone: 9822855558
Fax No:
Email: sachin.@tech-mark.net
GST No. 27ABSOPK7919L1Z7
PAN No: AMQPK7919L

Service Delivery Address:
Common Plant for R7 Sector-Life Republic
Life Republic
Survey .No.74,marunji ,+Hinjewadi-marunji-kasarsai Road,
Taluka : Mulshi Pune 123456

Contact Person: Rajendra Narkhede
Contact Number: 9765499719/9765550800

Validity Start: 01.01.2026
Validity End: 31.05.2026

Service	Unit	Qty	Rate (INR)	Amount (INR)
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	31,500.00	31,500.00
Item Text: 1 Supply and installation Of New MS Header Pipe Line -8" & Operational Blowers add Pipeline +4th Blower				
1 3001976 - STP Operation & Maintenance	MON	1	31,500.00	31,500.00
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	81,000.00	81,000.00
Item Text: 2 Supply Of tube Type Diffuser Make Dia 90mm *100mm				
1 3001976 - STP Operation & Maintenance	MON	12	6,750.00	81,000.00
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	337,500.00	337,500.00
Item Text: 3 Supply Of MBBR White PP				
1 3001976 - STP Operation & Maintenance	MON	20	16,875.00	337,500.00
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	33,750.00	33,750.00
Item Text: 4 Supply and installation Blower -4 Th Instlla Electrical Accessories - Sntabel Cabel ,Control Panel				
1 3001976 - STP Operation & Maintenance	MON	1	33,750.00	33,750.00
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	43,875.00	43,875.00
Item Text: 5 STP Process Tank Cleaning -O&G ,MBBR Aertion Tank TS,IT				
1 3001976 - STP Operation & Maintenance	MON	1	43,875.00	43,875.00
R7 STP PLANT REPAIR AND MAINTENANCE WORK SAC Code : 998513	AU	1	57,375.00	57,375.00
Item Text: 6 Installation ,Labour Charges & Transpiration ,Loading ,Unloading Charges				
1 3001976 - STP Operation &		1	57,375.00	57,375.00

Prepared By

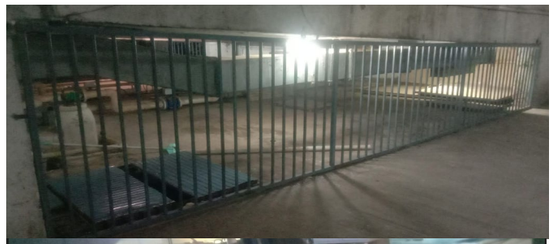
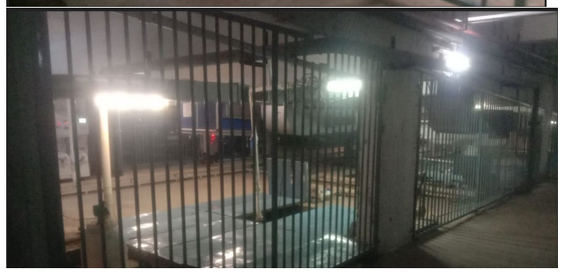
Authorised Signatory

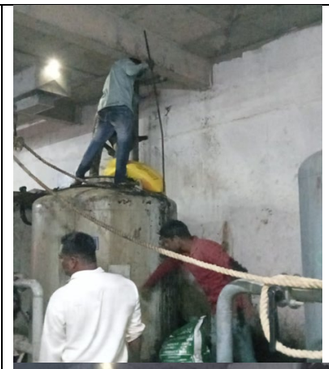
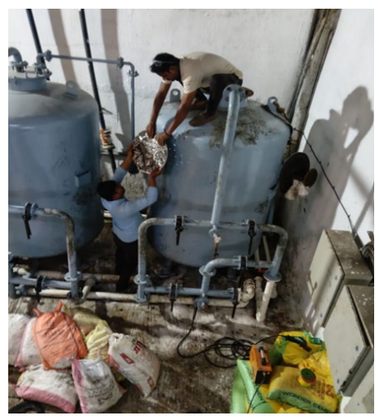
Page:1 of 2

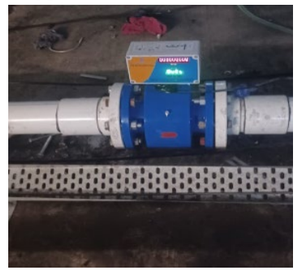
			
5	**Tube Settler I & II /Settling tank:** It is recommended to provide sufficient tube settler media to achieve required removal efficiency. It is recommended to fill the gap of tube settler media to avoid sludge escape from gap area	**Compliance Status / Action Taken:** A detailed inspection and performance assessment of the Tube Settler Unit was carried out as part of the STP optimization and process enhancement program. It was observed that certain portions of the tube settler media assembly had inadequate media coverage, resulting in localized hydraulic short-circuiting and potential escape of suspended solids through the uncovered sections. The observation has been noted and corrective measures have been initiated. The tube settler media has been augmented and rearranged to ensure complete and uniform coverage across the effective settling zone. All gaps between media modules have been sealed and aligned to eliminate bypass flow paths and prevent sludge carryover from uncovered areas. The modified arrangement ensures optimum laminar flow conditions within the tube channels, thereby enhancing particle settling efficiency and improving solids-liquid separation performance.	Checking has been completed and there is no any gap in tube media.

		The effective projected settling area has been restored in accordance with the design intent of the clarification system, resulting in improved hydraulic loading distribution and enhanced removal of suspended solids. The corrective measures are expected to minimize sludge escape, reduce effluent turbidity, and improve overall clarification efficiency of the secondary settling process. Further, a preventive maintenance protocol has been established for periodic inspection of tube settler media integrity, alignment, fouling, and structural stability to ensure sustained performance and compliance with treated water quality requirements prescribed under MPCB norms for reuse applications. The effectiveness of the modifications shall be validated through regular monitoring of effluent Suspended Solids (SS), Turbidity, and Sludge Volume Index (SVI) parameters. The Tube Settler system has been reviewed, and necessary corrective actions have been undertaken. Additional tube settler media has been provided to achieve the designed effective settling area and enhance solids separation efficiency. All gaps within the media arrangement have been eliminated to prevent hydraulic short-circuiting and sludge carryover. The improved configuration ensures uniform flow distribution, enhanced settling performance, and better removal of suspended solids, thereby supporting compliance with MPCB treated effluent quality standards. Regular inspection and monitoring procedures have also been incorporated to maintain long-term operational efficiency.	
6	**Treated Water Tank** - It is recommended to provide aeration in treated water tank and check oxygen transfer efficiency of submersible jet aeration system as designed after commissioning of plant for achieving required removal efficiency of parameters.	To comply with the recommendation, a dedicated aeration system has been installed in the Treated Water Storage Tank (TWST) consisting of energy-efficient air blowers and fine bubble diffusers to maintain aerobic conditions and prevent deterioration of treated water quality during storage. The system has been designed and commissioned to ensure adequate oxygen transfer and circulation within the tank. The following improvement measures have been implemented: Installation of dedicated air blowers for continuous oxygen supply. • Installation of fine bubble EPDM membrane diffusers at the tank bottom to ensure uniform air distribution. • Provision of adequate air flow rate for maintaining dissolved oxygen concentration throughout the treated water storage period.	Treated Water Flushing water tank with aeration and ozonation . Treated Water tank for garden water with aeration and ozonation.

		• Continuous mixing and circulation of treated water to eliminate stagnant zones and prevent anaerobic conditions. • Periodic monitoring of Dissolved Oxygen (DO) levels and treated water quality parameters. • **Technical Performance Parameters Achieved** • Dissolved Oxygen (DO) maintained in the range of **2.0 – 4.0 mg/L** within the treated water tank. • Fine bubble diffusion system designed to achieve **Standard Oxygen Transfer Efficiency (SOTE) of 20–30%** under field operating conditions. • Oxygen transfer rate verified to be adequate for maintaining aerobic conditions and preventing septicity. • Uniform air distribution achieved through strategically located diffusers covering the entire tank floor area. • Adequate hydraulic mixing ensured to avoid dead zones and maintain homogeneous water quality. • **Operational Benefits Achieved** The installed aeration system has resulted in: • Prevention of anaerobic conditions and septic odour generation. • Reduction in potential regrowth of anaerobic microorganisms. • Improvement in treated water stability during storage. • Enhanced effectiveness of downstream disinfection and reuse applications. • Consistent compliance with MPCB reuse standards for flushing and gardening applications. • **Compliance Statement** The aeration arrangement comprising blowers and fine bubble diffusers has been successfully commissioned in the Treated Water Storage Tank. Post-implementation monitoring indicates satisfactory oxygen transfer performance and maintenance of aerobic conditions throughout the storage period. The system is operating as per design intent and contributes towards achieving the required treated effluent quality and operational reliability of the 750 KLD STP.	 For aeration at garden tank- grid has been installed and at treated flushing tank diffuser has been placed, separate ozonation system has been installed for both the treated water tanks.

7	It is recommended to provide proper ventilation by providing wall openings with grills.	The recommendation has been complied with by enhancing the aeration and ventilation system of the STP. Additional air blowers and fine bubble diffusers have been installed to ensure adequate oxygen transfer and air circulation within the biological treatment tanks. The aeration system has been upgraded to meet the design air requirement of approximately **600 m³/hr** and maintain **Dissolved Oxygen (DO) levels between 2.0–4.0 mg/L** for efficient biological treatment. Further, adequate ventilation openings with protective grills have been provided around the treatment units and blower area to facilitate continuous fresh air circulation, prevent accumulation of odorous gases, and maintain aerobic conditions.	Wall opening gills has been placed.   
8	It is recommended to provide sufficient headroom for ease in operations.	Adequate operational headroom has been provided across all critical process units and equipment handling areas to facilitate safe access, routine inspection, preventive maintenance, equipment replacement, and emergency intervention activities. The clear vertical working space has been reviewed and ensured in accordance with good engineering practices for STP operation and maintenance. The improvement enhances operator accessibility, equipment maintainability, and overall operational safety. Safety helmets provided at the STP while accessing the areas where lower headroom and a few places and thin edges we have covered with soft covering to avoid injuries.	
9	It is recommended to verify efficiency of Pressure Sand filter	The Pressure Sand Filter system has been inspected and performance-verified through operational assessment and treated water quality monitoring. The filtration	Sand filter media and carbon filter media has been changed in November-25.

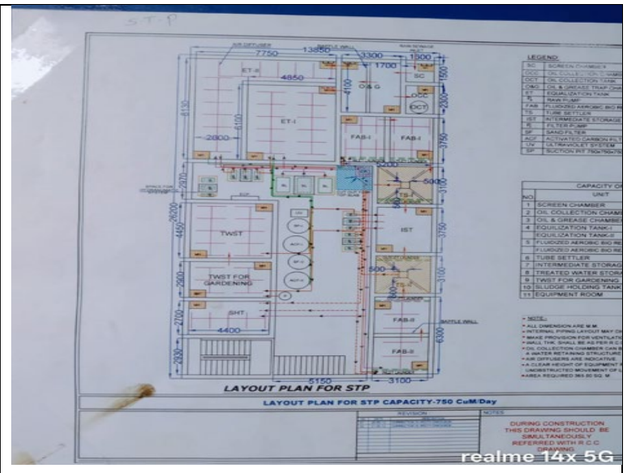
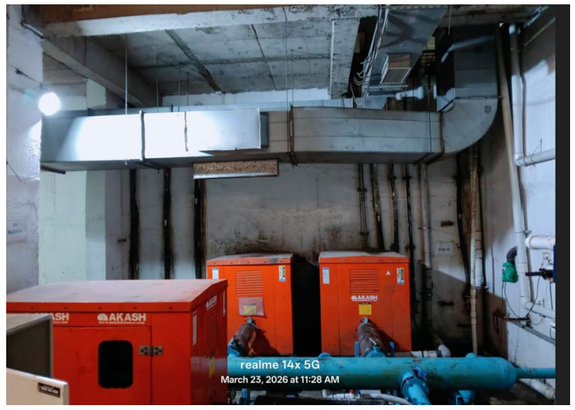
		media condition, bed depth, hydraulic loading rate, differential pressure, and backwashing effectiveness have been evaluated. The PSF is operating satisfactorily and achieving effective reduction of suspended solids and turbidity. Periodic backwashing schedules have been standardized to maintain filtration efficiency and ensure optimum performance of tertiary treatment processes.	 
10	It is recommended to verify efficiency of activated carbon filter.	The Activated Carbon Filter has been evaluated for adsorption efficiency, contact time, pressure drop, and media condition. The activated carbon bed has been assessed for removal of residual colour, odour, dissolved organic compounds, and trace contaminants. The ACF is functioning satisfactorily and achieving the intended polishing treatment standards. Regular media inspection and performance monitoring have been incorporated into the preventive maintenance schedule to ensure sustained treatment efficiency.	

11	It is recommended to verify ozonation efficiency and if required, kindly make necessary Corrective actions	The ozonation system has been reviewed for ozone generation capacity, ozone dosage rate, contact time, transfer efficiency, and residual disinfection effectiveness. The system has been calibrated and optimized to achieve effective pathogen reduction and tertiary disinfection requirements. Capacity of Ozonation system – Make Am Ozonics; Model S6-600; Capacity – 5.00 gm per Cubic Meter. Operational parameters have been verified and found satisfactory. The ozonation unit is functioning within the design intent and contributing to compliance with treated water quality requirements for reuse applications such as flushing and landscaping.	Ozonation has been provided to Garden and Flushing tank
12			
	An electromagnetic flow meter is recommended to measure the inlet sewage flow of the Sewage treatment plant. –	Electromagnetic Flow Meters at inlet & outlet pipelines were installed.	For phase-i : Two no of electromagnetic flow meter has been installed, one on raw water inlet . Second on outlet of activated carbon filter. For phase-ii : Two no of electromagnetic flow meter has been installed, one on raw water inlet . Second on outlet of activated carbon filter.  
12	Online monitoring is recommended for continuous monitoring of quality.	An online monitoring arrangement has been established for continuous observation of critical process and treated water quality parameters. The system enables real-time monitoring, trend analysis, operational optimization, and early detection of process deviations. The monitoring framework supports proactive process control and enhances overall reliability of STP performance while ensuring consistent compliance with applicable regulatory requirements. **Make – Sairupam Technologies; Model – OLEMS – ST – AQUASA5PV2**	

13	It is recommended to provide proper covers to all inspection chambers.	Safety Covers / Manhole / inspection chambers covers were prepared and installed. All inspection chambers associated with the STP collection and conveyance network have been provided with durable and properly fitted covers. The covers are designed to prevent accidental entry, odour escape, mosquito breeding, stormwater ingress, and unauthorized access. This improvement enhances operational safety, hygiene standards, and environmental compliance within the STP premises.	Cover has been already provided  

14	It is recommended to provide adequate noise-insulating covers for pumps	Raw sewage Pumps / Filter feed pumps are submersible pumps. Noise attenuation measures have been implemented for major pumping equipment through installation of suitable acoustic enclosures and vibration isolation arrangements. The measures effectively minimize transmission of airborne and structure-borne noise generated during operation. The system has been designed to maintain operational efficiency while ensuring compliance with prescribed ambient noise standards applicable to residential developments. Technical specs sheet is attached herewith	all pumps are submersible,
15	It is recommended to maintain cleanliness in the sewage treatment plant area	Daily/ periodically housekeeping in STP premises is done and monitoring for the same is done. A comprehensive housekeeping and maintenance protocol has been implemented throughout the STP premises. Periodic cleaning schedules, sludge handling procedures, debris removal practices, and sanitation measures have been established. The plant area is maintained in a clean, organized, and hygienic condition to support efficient operations, minimize odour generation, and ensure a safe working environment.	We are maintaining the same and we will maintain it in the future till hand over of the STP to CHS.
16	It is recommended to provide skilled sewage plant operators with knowledge of the operation and maintenance of sewage treatment plants for smooth functioning.	Qualified and experienced STP operators have been deployed for operation and maintenance of the treatment facility. The operating personnel possess knowledge of biological treatment processes, MBBR systems, aeration control, sludge management, tertiary treatment systems, and preventive maintenance practices. Regular operational reviews and technical training programs are conducted to strengthen process understanding, troubleshooting capability, and compliance management.	We are providing skilled sewage plant operators.

17	Provide name plates and flow direction on all Civil units and Electro-mechanical units.	Name plates, Pipeline Arrows Electromechanical name display boards were fixed in STP area. Comprehensive display boards illustrating the process flow schematic, hydraulic profile, tank layout, and treatment sequence have been installed at prominent locations within the STP facility. The displayed information assists operators, auditors, maintenance personnel, and visiting regulatory authorities in understanding the treatment process and operational workflow.	Name plates have been provided, Please find the attached images.   

			
18	Provide display board of Civil arrangement of tanks. Provide display board of STP Flow Diagram.	Comprehensive display boards illustrating the process flow schematic, hydraulic profile, tank layout, and treatment sequence have been installed at prominent locations within the STP facility. The displayed information assists operators, auditors, maintenance personnel, and visiting regulatory authorities in understanding the treatment process and operational workflow.	Please find the attached image for your reference
19	It is recommended to provide acoustic treatment for the Air blower to reduce noise levels within prescribed noise levels	Blowers with Acoustic Enclosures are installed to reduce noise. Appropriate acoustic treatment measures have been implemented for blower installations, including acoustic enclosures, sound-absorbing insulation, anti-vibration mounting systems, and noise attenuation provisions. Post-implementation assessment indicates substantial reduction in blower noise levels. The blower room has been optimized to maintain ambient noise levels within the limits prescribed under the Noise Pollution (Regulation and Control) Rules, 2000 for residential areas.	Provided Please find the attached images for your reference. 

20	It is recommended to provide deodorant measures to avoid odour nuisance to the surrounding area	Spray Deodorants installation is done to avoid odour nuisance Multiple odour-control measures have been implemented across the STP to minimize generation and dispersion of nuisance odours. The measures include: • Continuous aeration of equalization and biological treatment tanks • Maintenance of aerobic operating conditions. • Regular sludge withdrawal and disposal. • Routine cleaning of screening and collection chambers. • Provision of covers on inspection chambers. • Improved ventilation and air circulation. • Periodic dosing of approved bio-enzymatic odour control formulations wherever required. These measures have significantly reduced the potential for odour generation and ensured a nuisance-free environment for surrounding residential areas	We are spraying deodorant in the STP surrounding area to avoid odour nuisance.
21	Developers should submit the report to concerned authorities after implementation of the recommendations of this report. Every unit of STP needs to be verified for proper functioning and to achieve treated sewage quality at the outlet as per MPCB Guidelines and noise levels	**Additional blowers and diffusers to be provided to ensure adequate aeration in Aeration Tanks.** **Compliance Status: Complied** To enhance biological treatment efficiency and maintain optimum dissolved oxygen levels, the aeration system has been upgraded through installation of additional fine-bubble diffusers and augmentation of blower capacity. The upgraded aeration system has been designed considering oxygen demand, organic loading rate, mixed liquor characteristics, and MBBR process requirements. Key technical parameters maintained are as follows: • Dissolved Oxygen (DO) in Aeration Tank: **2.0 – 4.0 mg/L** • Air Supply Rate: **Maintained as per process oxygen demand** • Fine Bubble Diffuser Type: **EPDM Membrane Disc Diffusers** • Oxygen Transfer Efficiency (OTE): **18–25% under field conditions** • Specific Air Flow through Diffusers: **6–8 Nm^3/hr per diffuser** • Blower System: **Adequately sized to meet peak oxygen demand** • Mixing Velocity: **Sufficient to maintain MBBR media movement and prevent dead zones** • MBBR Media Fill Fraction: **Maintained as per design requirements** • Aeration Tank Operating Condition: **Fully aerobic biological environment** • The augmentation has substantially improved oxygen transfer efficiency, biomass activity, BOD/COD removal efficiency, nitrification performance, and	Submitting the report to COEP professor for their perusal

		overall process stability. The upgraded system ensures effective treatment performance and compliance with treated water quality requirements prescribed by MPCB for reuse applications.	
	It is recommended to provide more openings for aeration tank to maintain aerobic condition and to avoid smell.		Necessary core cutting has been done.   

ANNEXURE-R-4

COEP Technological University, Pune
(COEP Tech)
Unitary Public University of Government of Maharashtra
w.e.f.21st June 2022
(Formerly College of Engineering Pune)
Wellesley Road, Shivajinagar, Pune 411005
www.coep.org.in, email: pas.civil@coeptech.ac.in
contact number: 02025507222

Ref No.: COEP/Civil/ Env./ 2026/PAS/ 1107

Date: 15.06.2026

To,

Kolte Patil Developers Ltd., Pune

Sub: Your letter submission of compliance report for Interim Adequacy report of improvement in existing Sewage Treatment plant of 750 KLD of Kolte Patil Developers "Life Republic", at S. No 86(Part), 83(Part), 82/1(Part),82/2(Part), 82/3(Part), 111/1a/1(Part), 111/1b(Part), 111/2, Sector R7, Tal Mulshi, Pune, Maharashtra.

Ref your letter dated 04.06.2026

Sir,

I have received your report submission of compliance report for for Interim Adequacy report of improvement in existing Sewage Treatment plant of 750 KLD of Kolte Patil Developers "Life Republic", at S. No 86(Part), 83(Part), 82/1(Part),82/2(Part), 82/3(Part), 111/1a/1(Part), 111/1b(Part), 111/2, Sector R7, Tal Mulshi, Pune, Maharashtra dated 04.06.2026.

I will check and verify compliance carried out with site visit scheduled on 18.06.2026 at 3.00 p.m.

After the visit, report will be submitted within 8 days.

Thank You,

15/6/2026

Dr Parag Sadgir
Professor in Civil Engineering Department
COEP Technological University, Pune (COEP Tech)
(Formerly College of Engineering Pune)

Dr. Parag Sadgir
Professor in Civil Engineering Department
COEP Technological University, Pune
A Unitary Public University of Government of Maharashtra
(Formerly College of Engineering Pune)

Note:

a) This report in full or part shall not be published, advertised or used for any litigation, legal action without prior permission being secured.

b) Reports in original should be considered valid.

TRUE COPY
ADVOCATE

ANNEXURE-R-5

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
(A venture of ULTRA TECH Environmental Consultancy)
Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-14909 [Valid up to 17/11/2028]
Lab. Recognized by CPCB, MoEF&CC [GOI] under EP(A)-1986
ISO 9001:2015 & ISO 45001:2018 Certified

TC-14909

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)

For Project: 'LIFE REPUBLIC''

S-NO 74 MARUNJI PUNE-411057

ULR NO. : ULR-TC14909 26 000003842F
REPORT NO. : UT/ELS/REPORT/ 05338 /05 - 2026
ISSUE DATE : 15/05/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :
Sampling Plan Ref. No.: : UG02/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 04/05/2026 12:35 Hrs.
Sample Registration Date : 04/05/2026
Analysis Starting Date : 04/05/2026
Analysis Completion Date : 11/05/2026
Sample Lab Code : UT/ELS/0089/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WASTE WATER SAMPLE ANALYSIS
Sample Type : Untreated Sewage Waste Water
Sample Location : STP 750 KLD COLLECTION WATER SAMPLE PHASE-I
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.0	-	NA
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	76	mg/L	NA
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	135	mg/L	NA
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	476	mg/L	NA

NA : Not Applicable

Remark/ Statement of Conformity: *NIL*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 05339 / 05 - 2026 Dated 15/05/2026 for final conclusion.

Authorized By:
Shailesh Salvi
Authorized Signatory

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H1ZO

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
(A venture of ULTRA TECH Environmental Consultancy)
Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-14909 [Valid up to 17/11/2028]
Lab. Recognized by CPCB, MoEF&CC [GOI] under EP(A)-1986
ISO 9001:2015 & ISO 45001:2018 Certified
TC-14909

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO:	**Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**	**ULR NO.**	:	**ULR-TC14909 26 000003841F**
		REPORT NO.	:	UT/ELS/REPORT/ 05336 /05 - 2026
		ISSUE DATE	:	15/05/2026
For Project:	**'LIFE REPUBLIC"**	**YOUR REF.**	:	4700069574
S-NO 74 MARUNJI PUNE-411057		**REF. DATE**	:	07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.:	: UG02/05-2026	**Sample Type**	: Treated Sewage Waste Water
Sampling Procedure	: UT/LQMS/SOP/W01A	**Sample Location**	: STP 750 KLD FLUSHING TREATED WATER
Date & Time of Sampling	: 04/05/2026 12:29 Hrs.		
Sample Registration Date	: 04/05/2026		
Analysis Starting Date	: 04/05/2026	**Sample Quantity & Packaging Details**	: 2L in Polyethylene Container.
Analysis Completion Date	: 11/05/2026		
Sample Lab Code	: UT/ELS/0088/05-2026		
Sample Collected By	: ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.		

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.3	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	7	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	9.1	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	39	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 05337 / 05 - 2026 Dated 15/05/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No: U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No.27AADCU4659H1ZO

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH
ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
(A venture of ULTRA TECH Environmental Consultancy)
Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-14909 [Valid up to 17/11/2028]
Lab. Recognized by CPCB, MoEF&CC [GOI] under EP(A)-1986
ISO 9001:2015 & ISO 45001:2018 Certified
TC-14909

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)

For Project: 'LIFE REPUBLIC''

S-NO 74 MARUNJI PUNE-411057

ULR NO. : ULR-TC14909 26 000003843F
REPORT NO. : UT/ELS/REPORT/ 05340 /05 - 2026
ISSUE DATE : 15/05/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.: : UG02/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 04/05/2026 12:40 Hrs.
Sample Registration Date : 04/05/2026
Analysis Starting Date : 04/05/2026
Analysis Completion Date : 11/05/2026
Sample Lab Code : UT/ELS/0090/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

Sample Type : Treated Sewage Waste Water
Sample Location : STP 750 KLD GARDEN TREATED WATER
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.4	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	7	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	8.0	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	34	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026and valid upto 30/11/2028*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 05341 / 05 - 2026 Dated 15/05/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H1ZO

Authorized By:
M Namjoshi
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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TEST REPORT

ISSUED TO: **Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**

For Project: **'LIFE REPUBLIC"**

S-NO 74 MARUNJI PUNE-411057

ULR NO. : **ULR-TC14909 26 000004589F**
REPORT NO. : UT/ELS/REPORT/ 06361 /06 - 2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.: : UG02/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 11/05/2026 13:40 Hrs.
Sample Registration Date : 12/05/2026
Analysis Starting Date : 12/05/2026
Analysis Completion Date : 18/05/2026
Sample Lab Code : UT/ELS/0521/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

Sample Type : Untreated Sewage Waste Water
Sample Location : STP 750 KLD COLLECTION TANK WATER PHASE-I
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.8	-	NA
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	60	mg/L	NA
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	144	mg/L	NA
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	512	mg/L	NA

NA : Not Applicable

Remark/ Statement of Conformity: *NIL*

Note:
1. This test report refers only to the sample tested.
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3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06362 / 06 - 2026 Dated 09/06/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H1ZO

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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ISO 9001:2015 & ISO 45001:2018 Certified

TC-14909

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO:	**Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**	**ULR NO.**	:	**ULR-TC14909 26 000004590F**
		REPORT NO.	:	UT/ELS/REPORT/ 06363 /06 - 2026
		ISSUE DATE	:	09/06/2026
For Project:	**'LIFE REPUBLIC"**	**YOUR REF.**	:	4700069574
S-NO 74 MARUNJI PUNE-411057		**REF. DATE**	:	07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.:	: UG02/05-2026	**Sample Type**	: Treated Sewage Waste Water
Sampling Procedure	: UT/LQMS/SOP/W01A	**Sample Location**	: STP 750 KLD FLUSHING TREATED WATER
Date & Time of Sampling	: 11/05/2026 13:50 Hrs.		
Sample Registration Date	: 12/05/2026		
Analysis Starting Date	: 12/05/2026	**Sample Quantity & Packaging Details**	: 2L in Polyethylene Container.
Analysis Completion Date	: 18/05/2026		
Sample Lab Code	: UT/ELS/0522/05-2026		
Sample Collected By	: ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.		

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.5	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	8	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	10	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	39	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

Note:
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3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06364 / 06 - 2026 Dated 09/06/2026 for final conclusion.

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH
ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO:	**Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**	**ULR NO.**	:	**ULR-TC14909 26 000004591F**
		REPORT NO.	:	UT/ELS/REPORT/ 06365 /06 - 2026
		ISSUE DATE	:	09/06/2026
For Project:	**'LIFE REPUBLIC"**	**YOUR REF.**	:	4700069574
S-NO 74 MARUNJI PUNE-411057		**REF. DATE**	:	07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.:	: UG02/05-2026	**Sample Type**	: Treated Sewage Waste Water
Sampling Procedure	: UT/LQMS/SOP/W01A	**Sample Location**	: STP 750 KLD GARDEN TREATED WATER
Date & Time of Sampling	: 11/05/2026 14:05 Hrs.		
Sample Registration Date	: 12/05/2026		
Analysis Starting Date	: 12/05/2026	**Sample Quantity & Packaging Details**	: 2L in Polyethylene Container.
Analysis Completion Date	: 18/05/2026		
Sample Lab Code	: UT/ELS/0523/05-2026		
Sample Collected By	: ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.		

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	8.2	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	7	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	9.0	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	39	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

Note:
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3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06366 / 06 - 2026 Dated 09/06/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No: U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No.27AADCU4659H1Z0

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH
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TEST REPORT

ISSUED TO: Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)

ULR NO. : ULR-TC14909 26 000004601F

REPORT NO. : UT/ELS/REPORT/ 06377 /06 - 2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

For Project: 'LIFE REPUBLIC''

S-NO 74 MARUNJI PUNE-411057

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.: : UG02/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 18/05/2026 12:15 Hrs.
Sample Registration Date : 19/05/2026
Analysis Starting Date : 19/05/2026
Analysis Completion Date : 25/05/2026
Sample Lab Code : UT/ELS/1019/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

Sample Type : Untreated Sewage Waste Water
Sample Location : STP 750 KLD COLLECTION TANK WATER PHASE-I
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.0	-	NA
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	96	mg/L	NA
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	162	mg/L	NA
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	544	mg/L	NA

BDL: Below Detection Limit **DL: Detection Limit** **NA : Not Applicable**

Remark/ Statement of Conformity: *NIL*

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4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06378 / 06 - 2026 Dated 09/06/2026 for final conclusion.

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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TC-14909

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TEST REPORT

ISSUED TO: **Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**

For Project: **'LIFE REPUBLIC''**

S-NO 74 MARUNJI PUNE-411057

ULR NO. : **ULR-TC14909 26 000004603F**
REPORT NO. : UT/ELS/REPORT/ 06381 /06 - 2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.: : UG02/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 18/05/2026 12:40 Hrs.
Sample Registration Date : 19/05/2026
Analysis Starting Date : 19/05/2026
Analysis Completion Date : 25/05/2026
Sample Lab Code : UT/ELS/1021/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

Sample Type : Treated Sewage Waste Water
Sample Location : STP 750 KLD GARDEN TREATED WATER
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	6.7	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	6	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	9.3	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	49	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

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3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06382 / 06 - 2026 Dated 09/06/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY & LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H1ZO

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO:	**Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**	**ULR NO.**	:	**ULR-TC14909 26 000004602F**
		REPORT NO.	:	UT/ELS/REPORT/ 06379 /06 - 2026
		ISSUE DATE	:	09/06/2026
For Project:	**'LIFE REPUBLIC''**	**YOUR REF.**	:	4700069574
S-NO 74 MARUNJI PUNE-411057		**REF. DATE**	:	07/03/2026

SAMPLE PARTICULARS :

WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.:	: UG02/05-2026	**Sample Type**	: Treated Sewage Waste Water
Sampling Procedure	: UT/LQMS/SOP/W01A	**Sample Location**	: STP 750 KLD FLUSHING TREATED WATER
Date & Time of Sampling	: 18/05/2026 12:25 Hrs.		
Sample Registration Date	: 19/05/2026		
Analysis Starting Date	: 19/05/2026	**Sample Quantity & Packaging Details**	: 2L in Polyethylene Container.
Analysis Completion Date	: 25/05/2026		
Sample Lab Code	: UT/ELS/1020/05-2026		
Sample Collected By	: ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.		

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	6.6	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	7	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	9.8	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	44	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

Note:
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3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06380 / 06 - 2026 Dated 09/06/2026 for final conclusion.

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
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ISO 9001:2015 & ISO 45001:2018 Certified

TC-14909

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Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: **Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**

For Project: **'LIFE REPUBLIC''**

S-NO 74 MARUNJI PUNE-411057

ULR NO. : **ULR-TC14909 26 000004604F**
REPORT NO. : UT/ELS/REPORT/ 06383 /06 - 2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :
Sampling Plan Ref. No.: : UG01/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 25/05/2026 13:30 Hrs.
Sample Registration Date : 26/05/2026
Analysis Starting Date : 26/05/2026
Analysis Completion Date : 01/06/2026
Sample Lab Code : UT/ELS/1321/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WASTE WATER SAMPLE ANALYSIS

Sample Type : Treated Sewage Waste Water
Sample Location : STP 750 KLD FLUSHING TREATED WATER

Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.1	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	10	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	**10.2**	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	**59**	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters except highlighted parameter as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

Note:
1. This test report refers only to the sample tested.
2. This test report may not be reproduced in part, without the permission of this laboratory.
3. Any correction invalidates this test report.
4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
5. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06384 / 06 - 2026 Dated 09/06/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No.27AADCU4659H1Z0

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
(A venture of ULTRA TECH Environmental Consultancy)
Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-14909 [Valid up to 17/11/2028]
Lab. Recognized by CPCB, MoEF&CC [GOI] under EP(A)-1986
ISO 9001:2015 & ISO 45001:2018 Certified

TC-14909

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: **Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)**

For Project: **'LIFE REPUBLIC"**

S-NO 74 MARUNJI PUNE-411057

ULR NO. : **ULR-TC14909 26 000004605F**
REPORT NO. : UT/ELS/REPORT/ 06385 /06 - 2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :
Sampling Plan Ref. No.: : UG01/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 25/05/2026 13:35 Hrs.
Sample Registration Date : 26/05/2026
Analysis Starting Date : 26/05/2026
Analysis Completion Date : 01/06/2026
Sample Lab Code : UT/ELS/1322/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WASTE WATER SAMPLE ANALYSIS
Sample Type : Untreated Sewage Waste Water
Sample Location : STP 750 KLD COLLECTION WATER TANK
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits
1	pH @ 25° C	IS 3025 (Part 11) : 2022	6.5	-	NA
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	57	mg/L	NA
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	157	mg/L	NA
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	534	mg/L	NA

NA : Not Applicable

Remark/ Statement of Conformity: *NIL*

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4. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS3025 (Part 1).
5. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06386 / 06 - 2026 Dated 09/06/2026 for final conclusion.

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No: U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H1Z0

Authorized By:
Manasi Namjoshi
Authorized Signatory

– END OF TEST REPORT –

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PRIVATE LIMITED
(A venture of ULTRA TECH Environmental Consultancy)
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TC-14909
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Tel: 022-45119250, 022-45119239/ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: Kolte-Patil Developers Limited (Erstwhile Kolte-Patil Integrated Townships Limited)

For Project: 'LIFE REPUBLIC''

S-NO 74 MARUNJI PUNE-411057

ULR NO. : ULR-TC14909 26 000004606F
REPORT NO. : UT/ELS/REPORT/ 06387 /06 -2026
ISSUE DATE : 09/06/2026
YOUR REF. : 4700069574
REF. DATE : 07/03/2026

SAMPLE PARTICULARS :
WASTE WATER SAMPLE ANALYSIS

Sampling Plan Ref. No.: : UG01/05-2026
Sampling Procedure : UT/LQMS/SOP/W01A
Date & Time of Sampling : 25/05/2026 13:40 Hrs.
Sample Registration Date : 26/05/2026
Analysis Starting Date : 26/05/2026
Analysis Completion Date : 01/06/2025
Sample Lab Code : UT/ELS/1323/05-2026
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

Sample Type : Treated Sewage Waste Water
Sample Location : STP 750 KLD GARDEN TREATED WATER
Sample Quantity & Packaging Details : 2L in Polyethylene Container.

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits (MPCB Consent)†
1	pH @ 25° C	IS 3025 (Part 11) : 2022	7.0	-	5.5-9.0
2	Total Suspended Solids	IS 3025 (Part 17) : 2022	8	mg/L	Not to Exceed 20mg/L
3	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 2023	9.7	mg/L	Not to Exceed 10mg/L
4	Chemical Oxygen Demand	IS 3025 (Part 58) : 2023	39	mg/L	Not to Exceed 50mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Remark/ Statement of Conformity: *The results conform to standard limits for above analysed parameters as specified in MPCB consent no. Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028*

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5. †MPCB Consent Ref. No. : Infrastructure/ORANGE/L.S.I No:- Format1.0/CAC-CELL/UAN No.0000265691/CR/2604001075 Dated 14/04/2026 and valid upto 30/11/2028
6. This test report shall be referred along with Test Report No. UT/ELS/REPORT/ 06388 / 06 - 2026 Dated 09/06/2026 for final conclusion.

Authorized By:
Manasi Namjoshi
Authorized Signatory

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD. CIN No. U74900MH2023PTC415102 ULTRA TECH THANE (W) INDIA PIN-400 601 GST No. 27AADCU4659H

– END OF TEST REPORT –

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