सत्यमेव जयते

File No: 11/11/2026-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)
Centralized Processing Centre - Green
****

Dated **09/03/2026**

To,

M/s Chennai Metropolitan Water

Supply and Sewerage Board,

No.1, Pumping Station Road,

Chintadripet, Chennai- 600002,

Tamil Nadu
Email: ***eeprojects4@gmail.com***

Subject:

Proposal for CRZ Clearance – Proposed underground sewerage scheme to Okkiyam Thoraipakkam (Div 193,194 & 195) area - XV in Chennai City, Sholinganallur Taluka, Chennai, by Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) – regarding

Sir/Madam,

This has reference to your online proposal no. IA/TN/CRZ/557091/2025 dated 10/11/2025 on the above-mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 and as amended thereof issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for 'Proposed underground sewerage scheme to Okkiyam Thoraipakkam (Div 193,194 & 195) area - XV' in Chennai city, Sholinganallur Taluk, Chennai by Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Chennai.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 435th meeting held on 17/02/2026. The Project Proponent (M/s Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)) and Consultant (M/s EHS360 Labs Private Limited) have made a presentation on above said proposal and informed the following salient features of the proposal, including the details provided in the application of the project, to EAC:

1.	Title of the project	Proposed underground sewerage scheme to Okkiyam Thoraipakkam (Div 193,194 & 195) area - XV in Chennai city, Sholinganallur Taluk, Chennai.
2.	Brief description of the Project	The proposal seeks CRZ clearance under CRZ Notification 2011 for underground sewerage scheme to Okkiyam Thoraipakkam (Div. 193,194 & 195) area - XV in Chennai city, Sholinganallur Taluk, Chennai, Tamil Nadu.

3. Salient features / Components of the project activity:

S. No	Component	Description
Underground Sewerage System		
1	Total length of the Sewer network	83.566 km
2	Pumping main length	13.754 km
3	Collection System	69.812 km
4	Pipeline in CRZ Area	3.993 km
5	Pipeline in Non CRZ Area	79.57 km
6	Sewer diameter (mm)	200mm to 700mm
7	No. of Machine holes	2874
8	Pipe Material	DWC/CI
9	Number of Pumping Station	06
10	Number of Lift Station	03
11	No. House Service Connections	14310
12	Anticipated Sewage generation Ultimate stage – 2055	38.19MLD
13	Sewage Disposal Point (STP)	Existing Sholinganallur & Perungudi STP
14	Pipe carrying Bridge	Length of 121 m and width 3.8 m across the

		Okkium Maduvu.
15	Project cost	Total project cost: Rs.266.44 Cr CRZ Area: Rs.11.24 Cr

4.	CRZ Report/Maps prepared by	IRS, Anna University, Chennai

5. CRZ Categorization as per CRZ Report:

Description	**CRZ Classification**	**Length (m)**	**As per DR total length (m)**	**Total length of the actual implementation sewer network (m)**
Proposed Pumping Main Pipeline	CRZ II	2698.32	13754.06	13754.06
	Outside CRZ	11055.75		
Proposed Collection System	CRZ II	1295.01	70444.71	69812.40
	Outside CRZ	69149.70		
Total			84198.77	83,566.46

Proposed Pipe carrying Bridge	Outside CRZ	-	
Proposed Lifting station/ Pumping Station	Outside CRZ	-	
CRZ Area pipe length in meter	3993.33		3993.33
Non CRZ area pipe length in meter	80205.45		79573.13

6.	Applicability of EIA Notification 2006	Not applicable
7.	NOC from SPCB (For discharge Project)	DCZMA Minutes is enclosed.
8.	Certified Compliance Report from IRO (Expansion / amendment Case)	Not applicable

<table>
<tr><td>9.</td><td>Permissibility of project as per CRZ Notification 2011(mention the Clause):
<table><tr><td>Project Activity</td><td>CRZ Category</td><td>Permissibility clause</td></tr><tr><td>Proposed pumping main pipeline and collection system</td><td>CRZ II</td><td>As per para 4 (ii)(d)</td></tr></table></td></tr>
<tr><td>10.</td><td>EIA Consultants details (with validity)</td><td>M/s. EHS360 Labs Private Limited NABET Valid up to 16.07.2028</td></tr>
<tr><td>11.</td><td>Baseline period for EIA</td><td>March 2025 (1 Month)</td></tr>
<tr><td>12.</td><td>Applicability of Terrestrial and Marine EIA (please mention clearly, if not applicable please mention the same)</td><td>Terrestrial Study Conducted EIA report Page No: Chapter 3, Page No 89-137</td></tr>
<tr><td>13.</td><td>Anticipated impacts (mention page no of EIA)</td><td>EIA report Chapter 4, Page No 138-152</td></tr>
<tr><td>14.</td><td>Mitigation measures proposed (mention page no of EIA)</td><td>EIA report Chapter 4, Page No 138-152</td></tr>
<tr><td>15.</td><td>Disaster Management Plan (mention page no of EIA)</td><td>EIA report Chapter 7, Page No 159-163</td></tr>
<tr><td>16.</td><td>Risk Assessment (mention page no of EIA)</td><td>EIA report Chapter 7, Page No 157-169</td></tr>
<tr><td>17.</td><td>Total Project cost</td><td>Total project cost: Rs.266.44 Crores</td></tr>
<tr><td>18.</td><td>Is project located in erosion prone area (yes/no)</td><td>No</td></tr>
<tr><td>19.</td><td>If yes, specific the management plan proposed</td><td>No</td></tr>
<tr><td>20.</td><td>EMP cost proposed (capital and recurring)</td><td>Capital Cost- Rs.124.0 Crores and Recurring- Rs.25.0 Crores</td></tr>
<tr><td>21.</td><td>Forest Clearance requirement</td><td>Not applicable</td></tr>
<tr><td>22.</td><td>Wildlife Clearance Requirement</td><td>Not applicable</td></tr>
<tr><td>23.</td><td colspan="2">Proposed Green Cover:</td></tr>
</table>

Zones	P.S. Site	Length (m)	Width (m)	Total area (Sq.m)	Greenbelt area (Sq.m)	No of trees
SPS-1	Sri Sai Nagar	15	20	300	45	12
SPS-2	Chandra Sekaran Avenue	15	20	300	46	12
SPS-3	Aaligandeswararnagar	30	30	900	175	42
SPS-4	Soolaimanagar	L1-16.2, L2-15	20	321.9	55	15
SPS-5	Sakthi Nagar	53.0	31	1643	328	83
SPS-6	Mettukuppamfoundary Salai	44.5	B1-13.5, B2-10.5	555.83	213	53
Total						217

24.	Proposed budget for green cover development	Rs.5.0 Lakhs
25.	Rain water harvesting	Pits-12 Nos.
26.	Proposed budget for ainwater harvesting	Rs.2.0 Lakhs
27.	Details of Mangrove tree Cutting	No any Mangrove tree Cutting
28.	Details of tree Cutting	Nil
29.	Details of Compensatory afforestation proposed	Nil
30.	Proposed energy conserving measures	Solar Street light will be provided.
31.	Power Requirement and Source	775 kVA will be sourced from Tamil Nadu Electricity Board
32.	Water requirement and source	1.0 KLD Chennai Metropolitan Water Supply and Sewerage Board
33.	Waste water Treatment and reuse	Sewage will be send to CMWSSB Exiting STP by sewer line for further process.

<table>
<tr><td>34.</td><td>Solid Waste Generation</td><td>Organic waste from workers-2.5 kg/day
In-organic waste from workers-1.5 kg/day
Solid waste from Pumping stations -15 kg/day</td></tr>
<tr><td>35.</td><td>Solid Waste management</td><td>Organic waste from workers- Disposal to Greater Chennai Corporation
In-organic waste from workers- authorized Vendor
Solid waste from Pumping stations - Disposal to Greater Chennai Corporation</td></tr>
<tr><td>36.</td><td>Hazardous waste Management</td><td>Spent oil -1.0 TPA- Handover to TNPCB Authorized Vendor.</td></tr>
<tr><td>37.</td><td>Resettlement and Rehabilitation</td><td>Nil</td></tr>
<tr><td>38.</td><td colspan="2">Employment generation (in Nos.):
<table>
<tr><td rowspan="2">Phase</td><td colspan="3">Manpower (In Nos.)</td></tr>
<tr><td>Temporary workers</td><td>Permanent workers</td><td>Total</td></tr>
<tr><td>Construction phase</td><td>150</td><td>10</td><td>160</td></tr>
<tr><td>Operation phase</td><td>15</td><td>5</td><td>20</td></tr>
</table></td></tr>
<tr><td>39.</td><td>Details of Litigation, If any</td><td>Not applicable</td></tr>
<tr><td>40.</td><td>Details of Ground Water extraction</td><td>Not applicable</td></tr>
<tr><td>41.</td><td>Benefits</td><td>Social Benefit:
•By executing the proposed Underground Sewerage Scheme (UGSS) in the project area, the Government of Tamil Nadu and the CMWSSB will provide better facilities, creating a platform for improved quality of living, development, and growth within the project area and its surroundings.
• Providing an efficient underground sewerage scheme will foster rapid commercial and industrial growth, resulting in an improved economy and higher social status for the residents.
•This project supports the goals set forth in the National Urban Sanitation Policy, such as the</td></tr>
</table>

		eradication of open defecation. •The scheme aims to provide sanitation for all and achieve a 100% service level benchmark for sewage management. This includes: •Efficient collection and treatment of sewage. • Safe disposal, reuse, and recycling of treated sewage. •Cost-effective and efficient redressal of customer complaints. Environmental Benefit: •Upon completion of the UGSS, households in the project area will be connected to the sewer network, thereby avoiding the illegal discharge of raw sewage into the Buckingham Canal (B-Canal). •Groundwater pollution caused by the seepage of wastewater from soak pits and septic tanks will be eliminated upon completion of the UGSS. • The sewer lines constructed under the UGSS provide a reliable means of conveying wastewater, reducing the risk of untreated sewage entering water bodies and contaminating the environment. • Proper wastewater management will improve public health outcomes by reducing the spread of waterborne diseases and improving overall sanitation in the project area
42.	SCZMA Recommendation (mention the recommendation letter Number and date)	The Tamil Nadu SCZMA has recommended the proposal to Ministry *vide* letter No. P1/DO ECC/1499/2025, dated 09/02/2026 under CRZ Notification 2011

4. The Committee deliberated on the proposal based on the information submitted and the presentation made by the Project Proponent (PP). During the deliberation, the project proponent has stated that at present, there is no organized system for sewage collection and disposal in the Okkiyam Thoraipakkam area. Most households rely on individual septic tanks and soak pits, which are periodically de-sludge by vacuum trucks operated by CMWSSB or private agencies. However, instances of untreated wastewater being discharged into stormwater drains and nearby water bodies have been reported. Given the rapid urbanization of Okkiyam Thoraipakkam, with the development of new residential buildings (individual houses and apartments) and commercial complexes, the implementation of an Underground Sewerage Scheme (UGSS) has become essential. The proposed UGSS aims to prevent the discharge of domestic sewage into ecologically sensitive water bodies such as the Pallikaranai Marshland and the Buckingham Canal. Out of the total proposed pipeline length of 83.566 km, approximately 3.993 km falls within the

CRZ-II area. The ultimate sewage generation projected for the year 2055 is 38.19 MLD of this, 3.31 MLD will be diverted to the existing Perungudi Sewage Treatment Plant (STP), while the remaining 34.88 MLD will be conveyed to the existing Sholinganallur STP for treatment.

5. After detailed examination, the Committee observed that the proposed activity is permissible under the provisions of the CRZ Notification, 2011, and has been recommended by the Tamil Nadu Coastal Zone Management Authority (TNCZMA). The Committee directed the PP to implement robust measures under the Environmental Management Plan (EMP) to ensure the protection and cleanliness of adjacent creeks (canal) and to prevent any adverse impact on their ecological health. The Committee also noted that the project proponent should implement the highest standards of precautionary measures, safety protocols, during construction and operation phase. The proponent shall adopt appropriate Standard Operating Procedures (SOPs) to ensure safety and promote responsible, eco-friendly behaviour in the CRZ areas during construction and operation of the project activity. Utmost care and precautionary measures shall in place to avoid the leakage of sewer water adjacent canal and habitation areas. Since the cut-and-cover method is proposed for laying the pipeline, the excavated mud/soil shall be reused at the same site for backfilling and covering the pipeline and no excavated material shall be disposed of outside the project area. It was emphasized that all applicable safety standards must be strictly adhered to, and all statutory clearances related to pipeline laying and safety must be obtained prior to commencement of the work. The Committee further underscored that all mitigation measures specified in the Environmental Impact Assessment (EIA) Report, EMP, and Disaster Management Plan (DMP) must be implemented in letter and spirit, without deviation. In response, the Project Proponent assured the Committee of full compliance with all the conditions and commitments stipulated above.

6. The Committee, after detailed deliberations and considering the submissions made by the project proponent, has recommended the proposal for CRZ Clearance as per CRZ Notification, 2011, subject to terms and conditions as stipulated during its 435st meeting held on 17/02/2026.

7. Based on the recommendation of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for "**Proposed underground sewerage scheme to Okkiyam Thoraipakkam (Div 193,194 & 195) area - XV" in Chennai city, Sholinganallur Taluka, Chennai, Tamil Nadu by Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB)** under the provisions of the CRZ Notification, 2011 and amendments thereto, subject to the compliance of terms and conditions as under:-

Specific Conditions

S. No	Specific Conditions
1	All construction activities must strictly adhere to the provisions of the CRZ Notification, 2011, as amended from time to time.
2	All applicable safety standards must be strictly adhered to, and all prior statutory permissions pertaining to pipeline safety should be obtained before commencement of the project.

S. No	Specific Conditions
3	The project proponent should implement the highest standards of precautionary measures, safety protocols, during construction and operation phase.
4	The proponent shall adopt appropriate Standard Operating Procedures (SOPs) to ensure safety and promote responsible, eco-friendly behaviour in the CRZ areas during construction and operation of the project activity.
5	Utmost care and precautionary measures shall in place to avoid the leakage of sewer water adjacent canal and habitation areas.
6	Since the cut-and-cover method is proposed for laying the pipeline, the excavated mud/soil shall be reused at the same site for backfilling and covering the pipeline, and no excavated material shall be disposed of outside the project area.
7	All mitigation measures proposed in the Environmental Impact Assessment (EIA) Report, along with those outlined in the Environmental Management Plan (EMP) and Disaster Management Plan (DMP), must be implemented in full, without exception.
8	Muck and excavated materials should be disposed of as per the applicable norms or utilized within site.
9	Project Proponent shall strive to enhance the tree plantation and those trees planted in this regard would be planted under the campaign "एक पेड़ माँ के नाम" (Ek Ped Maa Ke Naam) and the details of the trees planted would be uploaded on the portal https://merilife.nic.in".
10	Any temporary physical infrastructure setup and excavated material during the construction of project shall not be dumped in water bodies or adjacent areas.
11	Construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.
12	No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phases.
13	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
14	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.
15	The Project Proponent shall comply order / direction, if any, issued by Hon'ble Court/tribunal on the project.
16	All the condition stipulated by Tamil Nadu Coastal Zone Management Authority

S. No	Specific Conditions
	(TNCZMA) under CRZ Notification 2011, *vide* letter No. P1 / DOECC /1499/ 2025, dated 09/02/2026 and commitments made by the PP before the TNCZMA and EAC shall be followed in letter and spirit.
17	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

General Conditions

S. No	General Conditions
1	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
2	'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and / or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
3	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.
4	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central / State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea / coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.
5	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
6	A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's office for 30 days.
7	A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.
8	The Ministry of Environment, Forest & Climate Change or any other Competent Authority

S. No	General Conditions
	may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
9	Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.
10	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
11	The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.
12	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.
13	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at https://parivesh.nic.in/. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.
14	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
15	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.
16	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.

8. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.

10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

11. Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

12. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

13. This issues with approval of the Competent Authority.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)

Copy To

1. The Director, Department of Environment, Government of Tamil Nadu, No.1, Jeenis Road, Panagal Building, Ground Floor, Saidapet, Chennai-600015, Tamil Nadu.
2. The Deputy Director General, Ministry of Environment Forest and Climate Change, Integrated Regional Office, Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai-600034, Tamil Nadu.
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032.
4. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Anna Salai, Guindy Industrial Estate, Race View Colony, Guindy, Chennai-600032, Tamil Nadu.
5. The Member Secretary, Tamil Nadu Coastal Zone Management Authority, Department of Environment, No.1, Jeenis Road, Panagal Building,Ground Floor, Saidapet, Chennai-600015, Tamil Nadu.
6. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
7. Guard File/ Record File/ Notice Board/MoEF&CC Website.

(Dr. H. Kharkwal)

Scientist 'F' (CRZ)

Signed by
Harendra Kharkwal
Date: 09-03-2026 15:24:33
Reason: Verified and signed