



File No: 11/17/2025-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)
Centralized Processing Centre - Green



Dated 21/03/2025



To,

M/s Gujarat Metro Rail Corporation (GMRC)

Block No. 1, First Floor, Karmayogi Bhavan,

Behind Nirman Bhavan, Sector 10/A,

Gandhinagar - 382010, Gujarat

Email: environment@gujaratmetrorail.com

Subject:

Proposal for CRZ Clearance – Development and Construction Dream City Depot including Metro Bhavan, Operation Control Center (OCC) and associated Electrical and Mechanical (E & M) works under corridor C1, Sarthana to Dream City, in connection with Surat Metro Rail project Phase- 1, Package DC-01 of Surat Metro Rail Project, District Surat, Gujarat by M/s Gujarat Metro Rail Corporation (GMRC – regarding

Sir/Madam,

This has reference to your proposal No. IA/GJ/CRZ/453574/2023 dated 15/01/2025 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance for 'Development and Construction Dream City Depot including Metro Bhavan, Operation Control Center (OCC) and associated Electrical and Mechanical (E & M) works under corridor C1, Sarthana to Dream City, in connection with Surat Metro Rail project Phase- 1, Package DC-01 of Surat Metro Rail Project, District Surat, Gujarat by M/s Gujarat Metro Rail Corporation (GMRC)'.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 392nd meeting held on 20/02/2025. The Project Proponent (M/s Gujarat Metro Rail Corporation (GMRC) and consultant (M/s Envision Enviro Technologies Pvt. Ltd.) 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.	Brief description of the Project	Proposed project is a green field project. The project is the Development and Construction of Dream City Depot including Metro Bhavan, Operation Control Center (OCC) and associated Electrical and Mechanical (E & M) works under corridor C1, Sarthana to Dream City, in connection with Surat Metro Rail Project Phase- 1, Package DC-01 of Surat Metro Rail Project.								
2.	Salient features / Components of the project activity	<p>Project Components:</p> <ul style="list-style-type: none"> Stabling-shed, Inspection shed, minor repairs and heavy repair overhauling workshop and cleaning of Rolling Stock Operational and functional safety requirements Ancillary buildings for other maintenance facilities Electrical & Mechanical Services, power supply and distribution system Water Supplies, Drainage & Sewerage <p>Project Components in CRZ area:</p> <ul style="list-style-type: none"> Approach road (SW Corner of the site) and Boundary Wall (NW Corner of the site) <p>Total area of the project site of Depot is 27.24 ha. of which, 2.9 ha. ($2,972 \text{ m}^2$) falls in CRZ area i.e. 1% of the project area. The remaining project area is entirely outside the CRZ.</p>								
3.	CRZ Report/Maps prepared by	Institute of Remote Sensing (IRS) Anna University, Chennai.								
4.	CRZ Categorization as per CRZ Report (mention the Categorization provided in CRZ Report) The project activity falls in CRZ I(B), CRZ II. The boundary wall in CRZ-II and outside CRZ.	<table border="1"> <thead> <tr> <th>Description</th><th>CRZ Classification</th><th>Area (m^2)</th></tr> </thead> <tbody> <tr> <td rowspan="2">Proposed Project Site</td><td>CRZ-IB</td><td>647.46</td></tr> <tr> <td>CRZ-II</td><td>2325.52</td></tr> </tbody> </table>	Description	CRZ Classification	Area (m^2)	Proposed Project Site	CRZ-IB	647.46	CRZ-II	2325.52
Description	CRZ Classification	Area (m^2)								
Proposed Project Site	CRZ-IB	647.46								
	CRZ-II	2325.52								

			Total 2972.98
		Description	CRZ Classification
		Proposed Road	
		CRZ-IB	
		CRZ-II	
		Total 25.28	
5.	Applicability of EIA Notification 2006	Not Applicable	
6.	NOC from SPCB (For discharge Project)	Will be obtained from GPCB after obtaining CRZ clearance.	
7.	Certified Compliance Report from IRO (Expansion/Amendment Case)	New Proposal / Fresh Proposal	
8.	Permissibility of project as per CRZ Notification 2011/2019 (mention the Clause as per SCZMA recommendation letter)	As per the Clause 8 I (II)(b) of CRZ Notification 2011, the activity is permissible.	
9.	EIA Consultants details (with validity)	Name: Envision Enviro Technologies Pvt. Ltd. Address: en-vision tech House, 4 th floor, Opp. Bharthana Primary School, New City Light Road, Bharthana, Surat, Gujarat, India-395007 Phone Number: (0261) 2264003, 2264004 Email address: info@en-vision.in NABET certificate: NABET/EIA/23-26/RA 0318 dated 19 February 2024 valid up to 07 December 2026	
10.	Baseline period for EIA	December 2021 to February 2022	
11.	Applicability of Terrestrial and Marine EIA (please mention clearly, if not applicable please mention the same)	EIA covering Terrestrial and Marine carried out in December 2021 to February 2022	
12.	Anticipated impacts (mention page no of EIA)	Refer Chapter 4 of EIA report Page no 4-1 to 4-15	
13.	Mitigation measures proposed (mention page no of EIA)	Refer Chapter 4 of EIA report Page no 4-1 to 4-15	

14.	Disaster Management Plan (mention page no of EIA)	Refer Chapter 7 of EIA report Page no 7-10 to 7-13
15.	Risk Assessment (mention page no of EIA)	Refer Chapter 7 of EIA report Page no 7-01 to 7-10
16.	Total Project cost	464.53 Crore
17.	Is project located in erosion prone area (yes/no)	No
18.	If yes, specific the management plan proposed	--
19.	EMP cost proposed (capital and recurring)	1.29 Crore
20.	Forest Clearance requirement	Not Required
21.	Wildlife Clearance Requirement	Not Required
22.	Proposed Green Cover	Out of 27.24 ha., 0.88 ha is proposed for Green belt development.
23.	Proposed budget for green cover development	0.01 Crore
24.	Rain water harvesting	Rooftop rainwater harvesting is proposed and around 21% of annual fresh water requirement will be met through rain water. Due to proximity of the coastal area and saline nature of the ground water, the collected rain water will be reused within the premises instead of recharging.
25.	Proposed budget for rainwater harvesting	0.2 crore
26.	Details of Mangrove tree Cutting	No Mangrove tree cutting involved
27.	Details of tree Cutting	No tree cutting is involved in the Project
28.	Details of Compensatory afforestation proposed	Not any
29.	Proposed energy conserving measures	LED lights, Solar lights, Times switch, VFD pumps
30.	Power Requirement and Source	During Construction: Requirement: 250 kVA

		<p>During Operation:</p> <p>Requirement: 29,402 kWh</p> <p>Source: Dakshin Gujarat Vij Company Limited (DGVCL)/ Gujarat Energy Transmission Corporation Limited (GETCO)</p>
31.	Water requirement and source	<p>Construction phase:</p> <p>Requirement: 98.5 KLD</p> <p>Source: Through Tanker</p> <p>Operation phase:</p> <p>Requirement: 61 KLD</p> <p>Source: Surat Municipal Corporation Network</p>
32.	Waste water Treatment and re-use	<p>Construction phase:</p> <p>Domestic Waste Water will be disposed through Soak Pit</p> <p>Waste water generated from construction activity will be utilized for dust suppression after primary treatment.</p> <p>Operation phase:</p> <p>Domestic Wastewater: Treated in in-house STP and treated waste water will be reused for gardening and flushing purpose.</p> <p>Industrial Wastewater: ETP with primary and tertiary treatment stage is proposed in the project. Treated water will be again reused for washing purpose only.</p>
33.	Solid Waste Generation	<p>Construction phase:</p> <p>Solid Waste: 18 MT/ Annum</p> <p>Other excavated earth: 38,000 m³</p> <p>Steel scrap: 424.7 m³</p> <p>Construction Debris: 4,250 m³</p> <p>Operation phase:</p> <p>Municipal Solid Waste: 24 MT/ Annum</p> <p>STP Sludge: 0.3 MT/ Annum</p> <p>Used Oil: 2.5 MT/ Annum</p>

		Other (iron turning of the PWL For Wheel proofing): 30 MT Annum ETP Sludge: 292 MT/ Annum
34.	Solid Waste management	<p>Construction phase:</p> <p>Separate bin will be provided for collection of Solid Waste at different places and the same will be collectively disposed off to solid waste site. Other excavate earth will be use. Steel scrap will be sold to vendors. Construction Debris will be used for making of roads and for refilling low-lying areas within premises</p> <p>Operation phase:</p> <p>Municipal Solid Waste will be collected and disposed to the Municipal waste disposal sites.</p> <p>STP Sludge will be stored in leak proof containers and to be reused as manure within site. Used Oil will be collected and sent to Authorize re-cyclers. Other (iron turning of the PWL For Wheel proofing) will be sent to ETP for treatment. ETP Sludge will be Collected, stored and sent to TSDF for Land filling.</p>
35.	Hazardous waste Management	Used oil (2.5 TPA) will be sent to authorized recycler ETP sludge (292 TPA) will be sent to TSDF for landfilling.
36.	Resettlement and Rehabilitation	Not Any
37.	Employment generation	Construction Phase: 250 Nos. Operation Phase: 85 Nos.
38.	Details of Litigation, If any	Not Any
39.	Details of Ground Water extraction	Not Applicable
40.	Benefits	The project will create opportunities for direct and indirect employment On implementation of the project, it is estimated that both petrol and diesel consumption will get reduced. The saving will be due to two factors namely Reduction in vehicles and decongestion on roads. Reduced Fuel Consumption; Reduced Air Pollution; Improvement of Quality of Life.
41.	SCZMA Recommendation	Gujarat CZMA has recommended the proposal

		for CRZ clearance <i>vide</i> letter No. ENV/10/2023/119/T.Cell, dated 17/02/2024 as per CRZ Notification 2011.
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4. The Committee deliberated on the proposal based on the information provided and the presentation made by the Project Proponent (PP). After discussions, the Committee observed that the proposed project is public utility and activity is permissible under the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 and has received a recommendation from the Gujarat Coastal Zone Management Authority (GCZMA). The Committee also noted that only a small portion of the project components—namely, the approach road (situated at the south-western corner of the site) and the boundary wall (located at the north-western corner of the site)—falls within the CRZ-designated area. Recognizing the importance of preserving natural hydrological processes, the Committee recommended that the construction of the approach road across the creek and boundary wall should be carried out in a manner that does not obstruct or alter the natural flow of water. In response, the Project Proponent agreed to comply with this recommendation.

5. After detailed deliberations and considering the submissions made by the project proponent, the committee has recommended the proposal for CRZ Clearance, subject to terms and conditions as stipulated during its 392nd meeting held on 21/02/2025.

6. Based on the recommendation of the Gujarat Coastal Zone Management Authority 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 '**Development and Construction Dream City Depot including Metro Bhavan, Operation Control Center (OCC) and associated Electrical and Mechanical (E & M) works under corridor C1, Sarthana to Dream City, in connection with Surat Metro Rail project Phase- 1, Package DC-01 of Surat Metro Rail Project, District Surat, Gujarat by M/s Gujarat Metro Rail Corporation (GMRC)**' 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	The proposed approach road and boundary wall should be constructed without affecting the natural flow of water.
3	The Project Proponent shall enhance tree plantation efforts under the campaign " एक पेड़ माँ के नाम " (Ek Ped Maa Ke Naam). The details of the trees planted must be uploaded on the official portal https://merilife.nic.in

S. No	Specific Conditions
4	All mitigation measures listed in the Environmental Impact Assessment (EIA) report must be implemented without any deviations.
5	The Project Proponent must ensure the incorporation of the latest safety features and protocols for the safe operation of the proposed project activity. Proper Standard Operating Procedures (SOPs) for safety must be established and followed diligently.
6	Topsoil excavated during construction activities shall be stored for use in horticulture/landscape development etc. within the project site.
7	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
8	No storage reservoir for sea water shall be permitted.
9	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
10	Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
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	The Project Proponent shall comply order/direction, if any, issued by Hon'ble Court / tribunal on the project.
13	All the conditions stipulated by the Gujarat Coastal Zone Management Authority (GCZMA) for CRZ clearance under CRZ Notification, 2011 <i>vide</i> letter No. ENV/10/2023/119/T.Cell, dated 17/02/2024 and commitments made by the PP before the GCZMA and EAC shall be followed in letter and spirit.
14	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.

S. No	General Conditions
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 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

S. No	General Conditions
	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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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 Principal Secretary, Forests & Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar- 382010, Gujarat.
2. The Deputy Director General, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Gandhi Nagar A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar- 382010, Gujarat.
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar- 382010, Gujarat.
5. The Member Secretary, Gujarat Coastal Zone Management Authority, Block No: 14/8th Floor, New Sachivalaya, Sector 10A, Sector 10, Gandhinagar-382010, Gujarat.
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)