

## 133<sup>rd</sup> MEETING

### TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

**Date:** 21.02.2025 (Friday)  
**Time:** 03.30 P.M.

**Venue:**  
7<sup>th</sup> Floor, Conference Hall,  
Environment, Climate Change &  
Forests Department,  
Namakkal Kavignar Maaligai,  
Secretariat, Chennai.600 009.

## INDEX

Agenda No.	Description	Pg. No.
01	Confirmation of the minutes of the 132 <sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 31.01.2025	01
02	The action taken on the decisions of 132 <sup>nd</sup> meeting of the Authority held on 31.01.2025	01
03	Proposed Transit Plaza at Dhanushkodi, at Survey No. 1154 Part, Rameswaram Village, Ramanathapuram District by the DRO/ General Manager, Tamil Nadu Tourism Development Corporation, Chennai	02
04	Immersive Experience in Shore Temple" at S.F.No.176, 172/B1, 177/5, 177/2, 172/2, 173 & 174, Mamallapuram Village, Tirukazhukundram Taluk, Chengalpattu District by the DRO/ General Manager, Tamil Nadu Tourism Development Corporation, Chennai	09
05	Proposed Laying of Natural Gas Pipeline in Greater Chennai Area" by Thiru. Prasad Srirama Kompella, The Cluster Head, M/s. Torrent Gas Chennai Private Limited, Mylapore, Chennai	16
06	Any other subject with the permission of the Chair	23

# TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

## 133<sup>rd</sup> MEETING

### AGENDA

**Date:** 21.02.2025 (Friday)

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7<sup>th</sup> Floor, Conference Hall,  
Environment, Climate Change &  
Forests Department,  
Namakkal Kavignar Maaligai,  
Secretariat, Chennai.9

**Agenda Item No. 01:** Confirmation of the minutes of the 132<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 31.01.2025

The 132<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 31.01.2025 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1832/2024 dated 06.02.2025.

**Agenda Item No.02:** The action taken on the decisions of 132<sup>nd</sup> meeting of the Authority held on 31.01.2025.

S. No	Subject	Action taken
01	Reduction of Captive Port from 15 MTPA to 5 MTPA with lighterage operation and Desalination plant of 40 MLD & associated facilities at Kottattai Village, Bhuvangiri Taluk, Cuddalore District by M/s. IL&FS Tamil Nadu Power Company Limited (ITPCL), Cuddalore	As resolved by the Authority, the proposal has been recommended to MoEF & CC, GoI, for issuing Clearance, vide this office letter No. P1 / 1828 / 2024 dated 10.02.2025
02	Construction of high-rise residential building at S.No.8/15, 8/19, 8/20, 8/2B1A & 8/2B1F1A, Kanathur Reddykuppam Village, Thiruporur Taluk, Chengalpattu District by M/s. Atlis Properties Private Ltd., Chennai	As resolved by the Authority, the proposal has been recommended to SEIAA for issuing Clearance, vide this office letter No. P1 / 1916 / 2024 dated 10.02.2025

**Agenda Item No.1 Proposed Transit Plaza at Dhanushkodi, at Survey No. 1154 Part, Rameswaram Village, Ramanathapuram District by the DRO/ General Manager, Tamil Nadu Tourism Development Corporation, Chennai (Single Window No. SW/232429/2025)**

The District Environmental Engineer, TNPCB, Ramanathapuram has forwarded a proposal received from the DRO/ General Manager, Tamil Nadu Tourism Development Corporation, Chennai for Proposed Transit Plaza at Dhanushkodi, at Survey No. 1154 Part, Rameswaram Village, Ramanathapuram District. The EIA report prepared by M/s. Hubert Enviro Care Systems (P) Limited, Chennai having NABET certificate valid up to 31.03.2027.

**Need of the project:**

Dhanushkodi is a coastal town located at the eastern tip of the Pamban Island, Rameshwaram, Tamil Nadu, it serves to be a must visit tourist spot to its stunning beaches, clear water, marine biosphere and mythological ties. It is the last motorable point in the southern India near Sri Lanka. Visitors gather from the world and enjoy the natural beauty. It significantly boosts the livelihood of the local economy.

The visitors park the vehicles all along the said Road (NH-87) contributing to the traffic congestion during the peak seasons. To address the issues, M/s. TTDC has proposed a Transit Plaza at Dhanushkodi in S. No. 1154 part which will reduce the traffic congestion at Arichal Munai.

A Transit Plaza proposal seeks to develop Dhanushkodi as a prominent tourist destination by incorporating its historical assets; the plan envisions an integrated approach to achieve key objectives, including:

- Focus to enhance the visitors experience by upgrading the facilities and enabling easier access.
- To display natural heritage, landscape and biodiversity of the region.
- To preserve its ecological sensitivity and promote social inclusivity and promote social inclusivity.
- To create employment opportunities in the region.
- To promote the local economy.

### Description of the project:

The proposed transit plaza at Dhanushkodi in Survey No. 1154 pt, Rameswaram Village. Total area of the project is 65049.70 sq.m. This motorable road is congested with vehicles due to the lack of parking facilities, especially during peak hours. A Transit Plaza is proposed to minimize the traffic congestion on this road. This plaza will be situated 5 Km from Arichal Munai. To avoid pollution and crowding, CNG transit buses are proposed to achieve last mile connectivity from Transit Plaza to the last point (Arichal Munai).

The proposed site, covering 65,049.70sq.m i.e 16-acres site belonging to the Revenue Department, which will accommodate parking for 156 buses, 203 two wheelers, 400 four wheelers and 50 CNG vehicles will be parked in this intervention. The site will be surfaced with paver blocks

### Area Breakup of the project:

S. No	Description	CRZ Classification	Area (m <sup>2</sup> )	Total area (m <sup>2</sup> )
1	Road	CRZ-IB	14649.65	27372.65
		CRZ-II	12723	
2	Two-Wheeler Parking	CRZ-II	425.27	425.27
3	Car Parking	CRZ-IB	4491.99	5461.06
		CRZ-II	969.06	
4	Bus Parking	CRZ-IB	6951.15	12899.12
		CRZ-II	5947.97	
5	Landscape	CRZ-IB	4684.78	10372.78
		CRZ-II	5688.00	
6	Future Expansion	CRZ-IB	7567.47	8518.52
		CRZ-II	951.35	
Total			65049.70	

### Location of the project:

The geographical location of the proposed activities in the project site is given below

Description	Label	Latitude	Longitude
Proposed Site Boundary	A	9°10'59.786" N	79°24'47.175" E
	B	9°10'56.888" N	79°24'51.530" E
	C	9°10'48.933" N	79°24'48.821" E
	D	9°10'54.894" N	79°24'39.051" E

Proposed Road	E	9°10'57.875" N	79°24'46.159" E
	F	9°10'51.712" N	79°24'47.598" E
Proposed Two-Wheeler Parking	G	9°10'52.267" N	79°24'48.634" E
	H	9°10'50.889" N	79°24'48.858" E
Proposed Car Parking	I	9°10'57.060" N	79°24'43.784" E
	J	9°10'54.225" N	79°24'41.418" E
Proposed Bus parking	K	9°10'55.422" N	79°24'49.886" E
	L	9°10'54.183" N	79°24'43.869" E
Proposed Landscape	M	9°10'56.441" N	79°24'48.657" E
	N	9°10'52.457" N	79°24'46.195" E
Future Expansion	O	9°10'55.479" N	79°24'51.047" E
	P	9°10'58.820" N	79°24'45.577" E

**Land Ownership details:**

The project proponent has requested the District Collector, Ramanathapuram to allot the land bearing S. No. 1154/1, Rameswaram Village (Poramboke land) for development of tourism activities. Accordingly, the District Collector, Ramanathapuram has requested the Commissioner of Land Administration, Chennai to grant enter upon permission vide their letter No. P4/40304/2024, dated: 09.01.2025. Based on the request, commissioner of Land Administration, has granted permission to District Collector to issue necessary order to TTDC for enter upon vide their letter No. V3/9228668/2024/08/667/2024 dated:03.02.2025

**Water requirement:**

**Construction Phase:** A total of 7.11 KLD of water will be required for construction activities as well as domestic use, and this will be supplied through private tankers by Contractor.

**Operation Phase:** A total of 75 KLD of water will be required during the operational phase, including for landscaping and domestic use, and will be supplied through tankers.

**Sewage:** Public toilets are not proposed. Existing public toilet adjacent to the site will be used and hence no sewage will be allowed to seep into the land. Mobile Toilet is proposed.

**Power requirement:**

Electricity is not proposed for this project site. Back up DG of 40kVA Quantity will be used for Construction purpose only.

**Manpower requirement:**

S. No	Phase	Proposed
1	Construction	58
2	Operation	57
Total		115

**Municipal Solid Waste Management**

The generation of municipal Solid waste and its management is given in  
**Solid Waste Generation and Management - Construction Phase**

S No.	Waste type	Construction phase (kg/day)	Disposal method
1	Organic waste	15.66	Will be disposed through Rameshwaram municipal bins
2	Inorganic waste	10.44	Will be disposed through Authorized recycler
<b>Total</b>		<b>26.10</b>	

**Solid Waste Generation and Management - Operation Phase**

S. No	Municipal Solid Waste	Proposed (kg/day)	Disposal method
1	Organic waste	15.39	Will be disposed through Rameshwaram municipal bins
2	Inorganic waste	10.26	Will be disposed through Authorized recycler
<b>Total</b>		<b>25.65</b>	

**Hazardous waste generation and management:**

Used oil from DG sets (only construction phase) will be handled with care. It will be stored in Barrel over concreted floor and sent to PCB authorized recyclers.

**CRZ Classification and Project cost:**

The project site falls in CRZ-IB and CRZ-II areas and the total cost of the project is Rs. 8.36 Crores.

## **Recommendation of DCZMA of Ramanathapuram district:**

The proposal was placed before the DCZMA, Ramanathapuram district on 29.01.2025 and the DCZMA recommended the project to the SCZMA subject to the following conditions

1. The Turtle breeding sites, sand dunes shall not be disturbed in any way.
2. The project proponent shall start the construction activities only after obtaining CRZ clearance from Competent Authority.
3. The construction debris and other type of waste shall not be disposed of into CRZ area.
4. Prior Planning permission should be obtained for the proposed construction, if any from the local authorities concerned and the proposed construction should satisfy the Local Town and Country Planning regulations.
5. The Project Proponent shall obtain Wild life clearance before the implementation of the project, if applicable
6. The project proponent shall plant Native species of plantation in consultation with District Forest Officer.
7. The project proponent shall dispose the sewage through the Rameshwaram Municipality
8. The project proponent shall not dispose any untreated sewage into the sea.
9. The project proponent shall undertake green belt development all along the periphery of the project area and also along the road side.
10. The project proponent shall not dispose any Municipal Solid waste in the Coastal Regulation Zone area. The solid waste shall be properly collected, segregated and disposed as per the Solid Waste Management Rules 2016
11. The project proponent shall comply with the provisions under Construction and Demolition Waste Management Rules, 2016.
12. The project proponent shall provide rain water harvesting arrangements within the premises.

The Project Proponent has submitted the replies to the above conditions vide letter dated 07.02.2025

### **Provisions in CRZ Notification, 2011:**

- As per CRZ Notification 2011, vide para 8(i) II CRZ-II (i) and (ii) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; As per the amendment issued by MoEF&CC, GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015.



- Vide para 8 I CRZ-I (ii) (b) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, [erosion control measures]\*<sup>40</sup> water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA. **(However, the project proponent should submit the justification that the proposed activities are required for traditional inhabitants).**
- **As per Para3 (iv), Land reclamation, bunding or disturbing the natural course of seawater is prohibited activities, except,**
- (a) required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sea link, road on stilts, road on reclaimed surface and such as meant for defence and security purpose and for other facilities that are essential for activities permissible under the notification:
  - Provided that such roads shall not be taken as authorized for permitting development on landward side of such roads till existing High Tide Line.
  - Provided further that the use of reclaimed land may be permitted for roads, mass rapid or multimodal transit system, construction and installation, on landward side of such roads of all necessary associated public utilities and infrastructure to operate such transit or transport system including those for electrical or electronic signal system, transit stopover of permitted designs; except for any industrial operation, repair and maintenance.
- However as per the notification (or) Office Memorandum dated:26.04.2022 (Procedure for clearance of permissible activities as per the CRZ Notification, 2011) no provisions to recommend the proposal to State Planning Authority / SEIAA.

#### **Remarks of Technical Expert Committee: (Meeting held on 18.02.2025)**

The Project Proponent has submitted a proposal for the construction of a Transit Plaza at Dhanushkodi to enhance tourism infrastructure. As the project site falls within CRZ -IB and CRZ-II areas, the TEC has reviewed the proposal and offers the following observations:

1. As per the **CRZ Notification, 2011**, no development activities are permitted in CRZ-IB, except for ~~the~~ essential facilities required by local traditional communities. The TEC recommends that all proposed activities be confined to the CRZ-II area and suggests that the Project Proponent explore an alternate site for activities planned within the CRZ-IB area and revise the proposal accordingly.

2. Erosion control measures using soft structure should be implemented at the site to prevent coastal degradation and protect the surrounding environment.
3. Sand dunes near the project site must remain undisturbed during all phases of construction and operation to preserve the natural landscape and ecosystem.
4. An Electric Vehicle (EV) charging station may be included in the project design to promote sustainable and eco-friendly transportation.
5. A solar rooftop system may be installed over the parking area to reduce energy consumption and promote the use of renewable energy.
6. Eco-friendly materials should be used for road construction to align with sustainable tourism practices and minimize environmental impact.
7. The project premises must be maintained as a Plastic-Free Zone to prevent pollution and protect the coastal and marine ecosystem.
8. The Transit Plaza should be designed as a barrier-free facility and ensure accessibility for differently-abled persons, in compliance as per accessibility guidelines.
9. Given the site's vulnerability to extreme weather events, an Emergency Preparedness Plan (EPP) should be developed and implemented to ensure the safety of visitors and infrastructure in case of coastal hazards such as cyclones and storm surges.

With the above observations and recommendations, the TEC recommends this proposal for further consideration by the Authority.

**Agenda Item No.2 Immersive Experience in Shore Temple” at S.F.No.176, 172/B1, 177/5, 177/2, 172/2, 173 & 174, Mamallapuram Village, Tirukazhukundram Taluk, Chengalpattu District by the DRO/ General Manager, Tamil Nadu Tourism Development Corporation Ltd., (Single Window No. SW/232786/2025)**

The District Environmental Engineer, TNPCB, Chengalpattu has forwarded a proposal received from Tamil Nadu Tourism Development Corporation Ltd. for the proposed "Immersive Experience in Shore Temple" at S.F.No.176, 172/B1, 177/5, 177/2, 172/2, 173 & 174, Mamallapuram Village, Tirukazhukundram Taluk, Chengalpattu District. The project information and EIA, EMP report prepared by M/s. ABC Techno Labs India Private Limited, Chennai having NABET certificate No. NABET/EIA/23-26/IA 0120, valid up to 08.06.2026.

**Need for the Project**

Mamallapuram Shore Temple is presently operated by TTDC with the existing facilities such as ticket counter, parking, washrooms etc., It is an ideal picnic spot for tourist, the average tourist footfall for 2023 visiting shore temple is about 12 Lakhs per annum. The tourist experience was being hampered by multiple factors like traffic congestion, lack of parking, lack of public convenience, dilapidated interpretation facility, lack of beach amenities and safety components. Hence, M/s. Tamil Nadu Tourism Development Corporation Ltd., Chennai (TTDC) has proposed the "Immersive Experience at Shore Temple" project aims to enhance the tourist experience at Mamallapuram, a UNESCO World Heritage site, by addressing various challenges as mentioned above. The project proponent stated that the project is being developed as a part of the Swadesh Darshan 2.0 scheme, decided to develop the construction of an entrance gate, the improvements of an arrival plaza, enhanced parking, interpretation center, souvenir and food kiosks, pedestrian pathways, and the rejuvenation of Vishnu Tank and proposed link road on landward side of Mamallapuram beach with multiple amenities at Mamallapuram Village.

**Location of the Project**

The project site for the "Immersive Experience at Shore Temple" is located in Mamallapuram, within Tirukazhukundram Taluk, Chengalpattu district of Tamil Nadu. Covering an area of 17.41 acres across survey numbers 176, 172/B1 (part), 177/2, 177/5,

172/2, 173, and 174, the site is located 52 km from Chennai International Airport and 25 km from Chengalpattu Railway Station. The proposed project site geographic locations are given below.

Description	Label	Latitude	Longitude
Project site boundary	A	12° 37' 0.742"N	80° 11' 38.493"E
	B	12° 37' 4.860"N	80° 11' 54.273"E
	C	12° 36'55.377"N	80° 11' 53.168"E
	D	12° 36' 53.384"N	80° 11' 34.185"E
Proposed facilities	E	12° 36' 59.846"N	80° 11' 39.966"E
	F	12° 36'55.964"N	80° 11' 51.939"E
Proposed parking	G	12° 37' 3.670"N	80° 11' 47.088"E
	H	12° 37' 1.335"N	80° 11' 50.837"E
Proposed road/pathway	I	12° 37' 2.631"N	80° 11' 45.219"E
	J	12° 36' 51.860"N	80° 11' 37.834"E

### Description of the Project

The Project Proponent stated that the land spanning across a sprawling 43 acres adjacent to the iconic Shore Temple. The land around the shore temple is under the ownership of various departments which are under the state Government. For the current proposal, **17.41 acres** of land is considered for the Immersive Experience at Shore Temple and remaining 24 acres in TTDC land is reserved for future development under PPP mode.

The survey nos. fall in the proposed area are 176 (TTDC), 172/B1 (MNTDA (DTCP)), 177/5 (HR&CE), 177/2 (Anadeenam land), 172/2 (pathway & exit gate - Town panchayat), 173 & 174 (Highway Department). The total project cost is estimated about **Rs.24.72 Crores**.

**(A) Land:** The details of built-up area break up are given below.

Description	CRZ - Classification	Area in acres	Total area in acres
Proposed facilities	CRZ - II	9.60	9.60
Proposed parking	CRZ - II	4.12	4.12
Proposed road/pathway	CRZ - II	3.56	3.69
	Outside CRZ	0.14	
Project site boundary (Total)	CRZ - II	<b>17.27</b>	<b>17.41</b>
	Outside CRZ	<b>0.14</b>	

SL. No	Location	Area in Acres
1	Entrance Plaza	1.363
2	Proposed one way road	2.382
3	Rejuvenation of Vishnu Tank	2.586
4	Arrival Plaza	1.739
5	Interpretation Centre	0.038
6	Toilet Blocks	0.038
7	Drinking Water Kiosk	0.025
8	Parking	4.119
9	Food Kiosk	0.082
10	Souvenir Kiosks	0.351
11	Utility	0.021
12	Solid Waste Management	0.015
13	Container Blocks (Toilets, Changing room, Admin office, CCTV room, First Aid Room)	0.065
14	Pedestrian Pathway	1.312
15	Water supply / Firefighting Water tank	0.024
16	Overhead water tank	0.019
17	Landscaped area	3.078
18	Steps to Mahashasura Rock	0.153
<b>Total Area</b>		<b>17.41</b>

**(B) Proposed Building: Built-up area of proposed components**

Sl. No.	Description	Area in Sq.m.
1	Entrance Plaza	799.05
2	Ticketing, Cloak & Guide Room	60.12
3	Interpretation centre	154.46
4	Toilet Blocks (2 X 76.6987)	153.40
5	High end Food kiosk with toilet facility inside	332.42
6	Container Blocks (6 X 44.16)	264.96
7	Drinking Water Kiosk (3 X 33.64)	100.92
8	Renovated shops	1365.12
<b>Total BUA</b>		<b>3240.45</b>

**Water requirement & Sewage generation**

The water requirement for construction workers is 45 l/day which will be met through purchasing water locally through private tankers. The construction phase domestic water requirement will be about 6.75 KLD. During operation phase 231.4 KLD water will be utilized. The water will be sourced from exiting ASI borewell and tanker.

### **Sewage treatment Plant and its disposal**

During construction phase, the wastewater generated of about 5.75 m<sup>3</sup>/day will be discharged through septic tank/mobile STP.

During operational phase, the wastewater generated of about 62.34 m<sup>3</sup>/day will be discharged into the existing UG sewer line of Mamallapuram Town.

### **Solid Waste Management**

It is proposed to have fully automatic Organic waste composting machine of 500 kg/day capacity for food and garden wastes. Other solid wastes generated due to footfall will be disposed as per SWM (amendment) rule, 2020.

The construction waste will be utilized within the premises for levelling & road construction works. Demolition waste will be disposed of to the authorized recycler. The municipal solid waste will be disposed through Town Panchayat. During the operational phase, the waste collection is done on daily basis using battery-operated vehicles and light commercial vehicles. The town has a Resource Recovery Park with facilities for windrow composting, vermicomposting, a biogas plant, and storage for recyclables.

<b>Area</b>	<b>Footfall of visitors per day/area (acres)</b>	<b>Waste generation per day (kg/person/per day) / (kg/acre/day)</b>	<b>Waste generation (TPD)</b>
Proposed site	5000	0.2	1.00
Landscaping & greenbelt area	0.88	12	0.01

### **Power requirement & its source**

According to the TNERC, a three-phase, four-wire system shall be proposed for the incoming power supply. Based on the maximum demand, 105 KW power will be sourced from TNEB. Additionally, 30 kVA capacity of DG set will be installed in case of power emergency.

### **Greenbelt development**

The aesthetic landscape will be provided in the Arrival Plaza and near High end Food Kiosks covering 9.4 acres of land from total land area. This is about 20% of the total land area. Native tree species like Capparis zeylanica, Gmelina asiatica, Phoenix pusilla, Cassine glauca, etc., will be planted along the sides of the landscapes.

### **Parking Requirement**

The Integrated parking area will be at a single location spreading across 4.119 acres with the capacity of parking 13 no. of buses, 250 no. of two-wheelers and 309 no. of cars.

### **Existing Solar Energy**

3 Nos of 10 KW solar power plant will provide lighting for shore temple.

### **CRZ Classification and Project Cost**

The proposed project site falls in CRZ - II and the proposed total cost of the project is **Rs.24.72 Crores**.

### **Recommendations of DCZMA**

The proposal was placed before the DCZMA of Chengalpattu district in the meeting held on 30.01.2025. The DCZMA has recommended the project to SCZMA, with the following conditions.

1. The Recommendations of the DCZMA vide minutes dated 07.11.2024 for Clearance under Coastal Regulation Zone Notification, 2011 to the previous proposal stands cancelled.
2. The Project Proponent shall comply with all the provisions of the Coastal Regulation Zone Notification 2011 scrupulously without any deviation.
3. The Project Proponent under no circumstances shall carryout any prohibited activities in the CRZ area.

The Project Proponent has submitted the replies to the above conditions vide letter dated 30.01.2025

### **Provisions in the CRZ Notification, 2011**

- As per CRZ Notification 2011, vide Para 8 CRZ II (i) & (ii):
- (i) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures;
- (ii) Buildings permitted on the landward side of the existing and proposed roads or existing authorised structures shall be subject to the existing local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio, which shall be as per 1991 level, provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road.
- (iii) reconstruction of authorized building to be permitted subject with the existing floor space index or floor area ratio norms and without change in present use.

Note: An existing authorized structure (Seashore temple) is situated between the proposed activities and the HTL of sea.

- As the total built up area is 3240.45 sq.m. which is below 20,000 Sq.m. and requires clearance from State Planning Authority (DTCP) after the recommendation of TNSCZMA.
- ASI, Chennai Circle, has given approval for the revised proposal, stating that there is no permanent construction within the protected area. Accordingly, an undertaking may be obtained from the proponent, assuring that no permanent construction will take place in the protected area.

#### **Remarks of Technical Expert Committee (Meeting held on 18.02.2025)**

The PP has submitted a proposal to develop an Immersive Experience at the Shore Temple in Mamallapuram to enhance tourism through interactive and digital exhibits while preserving the site's cultural and environmental significance. Given that the site falls under CRZ-II area, the TEC has reviewed the proposal and provided the following recommendations:

1. The project proponent must obtain a No Objection Certificate (NOC) for the usage of Anadheenam land from the concerned departments. Also get NoC from other departments for the usage of their lands.
2. No groundwater extraction shall be carried out within the CRZ area, and alternative sources should be explored to meet the water demand.
3. The Project proponent should submit the source of water required during the construction and operation phase for sustainable water management.
4. The project proponent to check the feasibility to incorporate an alternate sponge park system for natural surface runoff to ensure effective stormwater management and promote enhanced water absorption.
5. The project premises should be maintained as a **Plastic-Free Zone** with a well-defined **solid waste management system**, ensuring proper waste segregation, collection, and disposal. Organic waste should be composted and repurposed for landscaping within the premises.
6. Only eco-friendly materials should be used for any infrastructure or installations related to the project, ensuring sustainable tourism development without harming the site's cultural and ecological integrity.
7. Strong artificial lighting should not be directed towards the sea to prevent disturbances to turtle nesting and comply with coastal lighting regulations.
8. The project must include an effective rainwater harvesting system to support water conservation efforts and reduce dependency on external water sources.



9. The project should comply with harmonized accessibility guidelines to ensure that differently-abled individuals have adequate access to the site and its facilities.
10. No permanent buildings shall be constructed within the ASI protected land, beyond what has been explicitly proposed and approved under the project.
11. The Project Proponent shall install rooftop solar panels for the generation and utilization of electricity for its premises to the maximum extent possible.
12. The project proponent shall plant salinity-tolerant plants that are suitable for the local environment and can withstand high salt concentrations, promoting sustainability and resilience in the landscape
13. Drinking water kiosk point / water collection point should be provided in the various locations to fulfil the drinking water demand of the visitors.
14. The project proponent should check the feasibility of collecting surface runoff to the recharging the existing temple tank after renovation.
15. The project proponent should conduct a **Heritage Impact Assessment (HIA)** in consultation with the Archaeological Survey of India (ASI) to evaluate any potential impacts of digital and interactive installations on the site's cultural heritage.
16. A **Visitor Carrying Capacity Assessment** should be conducted to ensure sustainable management of tourist flow, minimizing pressure on the site's physical and ecological infrastructure.

With the above observations and recommendations, the TEC recommends this proposal for further consideration by the Authority while ensuring strict adherence to environmental, heritage, and regulatory guidelines.

**Agenda Item No 3. Proposed Laying of Natural Gas Pipeline in Greater Chennai Area”  
by Thiru. Prasad Srirama Kompella, The Cluster Head, M/s.  
Torrent Gas Chennai Private Limited, Mylapore, Chennai (Single  
Window No. SW/217530/2024)**

The District Environmental Engineer, TNPCB, Chennai has forwarded a proposal received from Thiru. Prasad Srirama Kompella, The Cluster Head, M/s. Torrent Gas Chennai Private Limited, Mylapore, Chennai for the proposed Laying of Natural Gas Pipeline in Greater Chennai Area”. The EMP report prepared by Hubert Enviro Care Systems (P) Ltd, Chennai having NABET certificate upto 31.03.2027.

**Need of the project:**

Increasing the share of natural gas in the energy mix to 15% is the topmost priority for Government of India. It will help India become less reliant on crude oil imports by substituting the use of oil products in industrial and residential applications. Led by impetus from the Government of India and the State Governments, natural gas is steadily emerging as fuel of choice.

**Project Description:**

The proposed project is for laying 3 Nos of Natural gas pipelines with a total length of 4,66,965.14 m from Vettuvankeni to Nettukuppam through Neelankarai, Kottivakkam, Thriuvanmiyur, Adayar, Chepauk, Parry's corner, Royapuram, Tondiarpet, Tiruvottiyur, Ennore etc., will transfer PNG via pipeline from the City Gate Station (CGS) located in Vallur village. The pipeline length falling under CRZ is 2,60,243.98 m.

As per approved CZMP the project site falls in CRZ-IB (116.75m), CRZ-II (259780.11m) and CRZ-IVB (347.12m) which covers 2,60,243.98m length of the pipeline that comes under the CRZ region passing through Chennai district. The non-CRZ covers total of 2,06,721.16m of proposed pipeline.

**Project location:**

Greater Chennai Area via Vettuvankeni, Nettukuppam, Neelankarai, Kottivakkam, Thriuvanmiyur, Adayar, Chepauk, Parry's corner, Royapuram, Tondiarpet, Tiruvottiyur, Ennore villages of Chennai District.

**Brief Description of the project:**

S. No	Zonation	CRZ Classification	Length of the pipeline in (m)	Total Length (m)
1	Natural Gas Steel Pipeline	CRZ-IB	107.92	116.75
	Natural Gas MDPE pipeline		8.83	
2	Natural Gas Steel Pipeline	CRZ-II	2463.42	259780.11
	Natural Gas MDPE pipeline		257316.69	
3	Natural Gas Steel Pipeline	CRZ-IVB	341.42	347.12
	Natural Gas MDPE pipeline		5.70	
4	Natural Gas Steel Pipeline	Outside of CRZ	194150.93	206721.16
	Natural Gas MDPE pipeline		12570.23	
Total				466965.14

Major CRZ crossing for Trunk Steel Pipeline /MDPE pipeline- As per IRS map, totally 16 locations river crossing pipeline takes place with total length of 3091 m.

**Land requirement:**

No land acquisition is involved for laying of pipelines as all the pipelines are laid parallel to existing roads by getting relevant permissions from authorities like Greater Chennai corporation, Highways, Industrial bodies tec., After pipeline is laid, the trench is restored back to the near original condition and frequent patrolling is done to ensure integrity of the pipelines.

**Water requirement:****Construction Phase:**

Manpower will be deployed in staggered manner and water will be sourced locally for domestic purpose. No water requirement for laying of pipeline except for hydro testing to check the integrity of pipeline which shall be sourced locally through water tankers if required. Not more than 5 KLD at a stretch for testing.

For Domestic use: 10 KLD will be required

Operation Phase: Nil

**Solid Waste Management:**

S. No	Waste type	Construction phase (kg/day)	Operation phase Proposed (kg/day)	Disposal method
1	Organic waste	32.4	21.6	Will be disposed through municipal bins authorized recycler
2	Inorganic waste	21.6	14.4	
Total		54	36	

**Man power requirement:**

S. No	Phase	Components	Proposed
1	Construction	Temporary	100
		Permanent	20
		Total	120
2	Operation	Temporary	50
		Permanent	30
		Total	80

**Power requirement:**

Welding of steel pipelines shall be carried out following Rules and Regulations. For MDPE pipelines no welding is involved, only electro fusion of joints is involved.

Description	Construction	Operation
Power (KVA) back up DG set COCO cum Mother Station Velachery	3×62.5 kVA	Not required except during maintenance in specific cases
Fuel (HSD for DG sets)	Petrol consumption per day will be 1.5-2 litre per day during MDPE pipeline laying phase and 8 litre per day during Steel Pipeline laying phase	Not required except during maintenance in specific cases

**Fire Protection System:**

The CNG station will have fire and gas detection system, CO<sub>2</sub> flooding system, portable fire extinguishers to protect pipeline system and CNG stations.

### **CRZ Classification and Project Cost:**

The entire site is falling in CRZ-IB, CRZ-II and CRZ-IVB areas and the proposed cost of the project is Rs.5000 crores.

### **Recommendation of DCZMA of Chennai district:**

The DCZMA meeting of Chennai district held on 04.10.2024 and the committee recommended the project to SCZMA subject to the following conditions

1. The unit shall not generate any trade effluent from its activity.
2. The unit shall obtain necessary approvals from the competent authority for its proposed pipeline project before commissioning.
3. The unit shall follow the guidelines stipulated by Oil Industry Safety Directory (OSID)
4. The unit shall carry out necessary protective coatings and Cathodic protection are to be provided for the pipelines against external corrosion and ensure that there is no leakage in the entire length of the pipeline.
5. The proponent shall obtain necessary approval from Chief Controller of Explosives before commissioning of the project.
6. The unit shall take proper precautionary measures during the laying of pipeline while crossing the river sources without affecting the environmental factors specifically natural course water flow.
7. The unit shall provide Supervisory Control and Data Acquisition system (SCADA) for monitoring with modules on leak detection, flow control etc., for the safety of the pipeline. Any leakage in pipeline shall be immediately detected by the computer system and product pumping shall be cut off immediately.
8. The pipeline should be kept in good conditions all the year with adequate maintenance.
9. The unit shall provide the leak detection software in pipeline with real time model for detection sizing and location of leaks.
10. The unit shall prepare the onsite and offsite emergency preparedness plan based on detailed risk analysis before commencing of the unit.
11. The unit shall obtain and furnish the policy under Public Liability Insurance Act 1991.
12. The unit shall design and lay the pipeline with the provision of PNGRB (Technical standards and specifications including safety standards for Natural Gas pipeline) Regulations 2009.

13. The unit shall inform if any change in the alignment/details furnished in the application and the necessary approval shall be obtained from the Board before obtaining consent to operate under the said Act.
14. The unit shall plan minimum 10 Nos native tree saplings for every tree cut during the laying of proposed pipeline.
15. This unit under the Water Act shall not be construed as the Right to supersede or Overrule Other Acts or Rules or Bylaws or Directions etc. issued by other Government Department/ Statutory Body/ Local Body/ Organization etc., and the unit shall abide the same, as and when issued by the respective Authority.
16. The project proponent shall contribute to Tamil Nadu Green Climate Company towards Green Tamil Nadu Mission in order to enhance the forest and tree cover in the state.

The Project Proponent has submitted the replies to the above conditions vide letter dated 12.02.2025

#### **Provision of the CRZ Notification, 2011:**

1. As per CRZ Notification 2011, vide para 8 (i) I CRZ I (i)(b) pipelines, conveying systems including transmission lines;
2. As per CRZ Notification 2011, vide Para 8 (II), CRZ-II (iv) (f) *facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II appended to the notification and facilities for regasification of Liquefied Natural Gas (LNG) subject to conditions as mentioned the sub para (ii) of Paragraph 3*
3. As per CRZ Notification 2011, vide para 3 (ii) (b), *facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II appended to the notification and facilities for regasification of Liquefied Natural Gas (LNG) in the areas not classified as CRZ-IA, subject to implementation of safety regulations including guidelines issued by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas guidelines issued by MoEF is not prohibited activity*
4. As the proposed site is not falling in CRZ-I A area, the activity may be permitted.
5. As per CRZ Notification 2011, vide Para 4 (ii) (d), Laying of Pipelines, conveying systems, Transmission line, the proposal may recommend to MoEF & CC, Govt. of India

#### **Remarks of Technical Expert Committee (Meeting held on 18.02.2025)**

The project proponent has submitted a proposal for the Laying of Natural Gas Pipeline in Greater Chennai Area in Chennai District. The site falls under CRZ area,

necessitating compliance with CRZ regulations and environmental safeguards. The TEC has reviewed the proposal and provided the following recommendations

1. The project proponent should submit the details of depth of cutting, method of cutting for the natural gas pipeline to be constructed in the CRZ area.
2. The project proponent must obtain and submit a No Objection Certificate (NOC) from the Highways Department and other departments whichever applicable for the implementation of the proposed project.
3. The project proponent shall submit statistical data regarding the number of household connections provided, total work taken up, ongoing status, and the percentage of work completed in the Chennai region.
4. The Project proponent should submit the periodical reports to the Greater Chennai corporation and any other regulatory authorities about the execution of the work.
5. The project proponent should regularly update and share the pipeline network map with the Highways Department, WRD, CMRL, CMWSSB, GCC etc., to facilitate coordination and avoid conflicts with other infrastructure projects.
6. The pipeline should be kept in good working conditions all the year with periodic maintenance.
7. The unit shall prepare the onsite and offsite emergency preparedness plan based on detailed risk analysis before commencing of the unit.
8. The Project Proponent should follow the guidelines issued by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas for the proposed project.
9. As the Project proponent informed that three months once low pressure test will be carried out for the entire pipeline. The compliance report of the monitoring should submit to MoEF & CC, GoI and to TNSCZMA in half yearly basis.
10. There shall not be any blockage of river flow due to laying of pipeline, and free flow of water shall be maintained all times.
11. The pipeline shall be continuously monitored using a Supervisory Control and Data Acquisition (SCADA) system to detect leaks, ensure safe operations, and allow real-time intervention in case of emergencies.
12. Sectionalizing Valves shall be provided as per the Population Density Index (PDI) classification and PNGRB (Petroleum & Natural Gas Regulatory Board) guidelines and the same shall be managed properly
13. The unit should always have the preparedness to meet the unforeseen events such as accidents, natural calamities etc.,

14. The project proponent should submit a detailed CSR implementation report, including green belt development, community-based environmental initiatives, and any local employment generation measures.
15. The Project Proponent shall submit an Environmental Impact Mitigation Plan (EIMP) outlining steps to minimize habitat disturbance, pollution, and any other environmental impacts during pipeline installation and operation.
16. The Project Proponent should conduct public awareness campaigns and install clear signage at key locations along the pipeline route to ensure public safety and emergency preparedness.

With the above observations and recommendations, the TEC recommends this proposal for further consideration by the Authority.

**Agenda Item No. 6** Any other subject with the permission of the Chair

**Sd./- xxxx**

**Thiru A.R. Rahul Nadh, I.A.S.,  
Member Secretary,**

**Tamil Nadu State Coastal Zone  
Management Authority &**

**Director, Department of Environment &  
Climate Change,  
Chennai - 35.**



**Minutes of the 133<sup>rd</sup> meeting of Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 21.02.2025**

The Member Secretary extended a warm welcome to the Chairperson and all members of the Tamil Nadu State Coastal Zone Management Authority for the 133<sup>rd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority.

**Agenda Item No. 01: Confirmation of the minutes of the 132<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 31.01.2025**

The 132<sup>nd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 31.01.2025 and the Minutes were communicated to the Members of the Authority, vide letter No. P1/1832/2024 dated 06.02.2025 and was confirmed.

**Agenda Item No.02: The action taken on the decisions of 132<sup>nd</sup> meeting of the Authority held on 31.01.2025.**

The Member Secretary briefed the Members about the action taken by the Department of Environment and Climate Change in response to the decisions made during the 132<sup>nd</sup> meeting held on 31.01.2025, which was noted down by the members.

**Agenda Item No.3 Proposed Transit Plaza at Dhanushkodi, at Survey No. 1154 Part, Rameswaram Village, Ramanathapuram District by the DRO / General Manager, Tamil Nadu Tourism Development Corporation, Chennai (Single Window No. SW/232429/2025)**

**Project Cost:** Rs. 8.36 Crores.

**CRZ Classification:** CRZ-IB and CRZ-II areas

The TNSCZMA reviewed the recommendation of the District Coastal Zone Management Authority (DCZMA) of Ramanathapuram district in the meeting held on 29.01.2025. The Authority also took note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

**Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority**

The Project Proponent has explained about the proposed activities in the transit plaza. The proposed site falls in the CRZ-IB and CRZ II zones, located 5 km away from Arichal Munai, Dhanushkodi. After a detailed review, the Authority offered the following remarks:

- The Authority observed that the parking capacity of the proposed transit plaza is less than the total vehicle carrying capacity of the Arichal Munai road. The Authority suggested that the peak traffic demand be analyzed. Additionally, Strategies must be prepared to regulate the flow of incoming vehicles to Arichal Munai, with a strong emphasis on implementing an e-pass system to enhance better traffic management.

- The Authority instructed that the proposed activities lie in the CRZ - IB. As the CRZ -IB is highly restricted, the Authority suggested the Project Proponent to explore the possibility of relocating the project to an area outside the CRZ-IB area.
- Hence, the Authority deferred the proposal at the present stage and recommended the project proponent to submit a revised Detailed Project Report.

**Agenda Item No.4 Immersive Experience in Shore Temple” at S.F.No.176, 172/B1, 177/5, 177/2, 172/2, 173 & 174, Mamallapuram Village, Tirukazhukundram Taluk, Chengalpattu District by the DRO/ General Manager, Tamil Nadu Tourism Development Corporation Ltd., (Single Window No. SW/232786/2025)**

**Project Cost: Rs.24.72 Crores.**

**CRZ Classification: CRZ-II area**

The TNSCZMA reviewed the recommendation of the DCZMA of Chengalpattu district in the meeting held on 30.01.2025. The Authority also took note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

**Provisions in CRZ Notification, 2011:**

- As per CRZ Notification 2011, vide Para 8 CRZ II (i) & (ii):
- (i) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures;
- (ii) Buildings permitted on the landward side of the existing and proposed roads or existing authorised structures shall be subject to the existing local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio, which shall be as per 1991 level, provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road.
- (iii) reconstruction of authorized building to be permitted subject with the existing floor space index or floor area ratio norms and without change in present use.
- Note: An existing structure (seashore temple) is situated between the proposed activities and the HTL of sea.
- As the total built up area is 3240.45 sq.m. which is below 20,000 sq.m. and requires clearance from State Planning Authority (DTCP) after the recommendation of TNSCZMA.

## **Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority**

The Authority decided to recommend the proposal to DTCP for CRZ Clearance subject to the following conditions:

1. The Authority observed that the proposed activities fall within the prohibited and regulated areas of the Archaeological Survey of India (ASI) site. Consequently, the Authority has instructed the proponent to obtain the approval of National Monuments Authority (NMA), as recommended by the ASI, Chennai circle, prior to the commencement of work.
2. The Authority suggested that the visual experience of the Shore Temple should not be disturbed.
3. It is instructed to ensure that the inlet and outlet channels of the temple tank should be maintained while carrying out the tank renovation.
4. The proponent should ensure the maintenance of the site as a plastic-free zone, by enforcing a strict ban on plastic waste in accordance with the Solid Waste Management Rules, amended 2020 and regulation regarding the "Ban on Single-use plastic".
5. The proponent should evaluate the shoreline protection measures on the northern side of the Shore Temple due to the proposed development.
6. The proposed activities must incorporate structures that are resistant to cyclonic conditions.
7. The Project Proponent refrain from drawing groundwater within the CRZ area.
8. The construction debris and / or any other type of waste shall not be disposed of in to the sea or CRZ areas.
9. No construction activity shall be started / undertaken by the Proponent without obtaining the CRZ Clearance from the competent authority and other essential clearances from the Competent Authorities.
10. The disposal of materials shall comply with Construction and Demolition Waste Management Rules, 2018.
11. The project premises should ensure proper waste segregation, collection, and disposal. Organic waste should be composted and repurposed for landscaping within the premises.
12. The Proponent shall comply with the Environmental Management Plan both during construction and operational phases.
13. The PP should explore and implement measures to maximize the utilization of renewable energy sources to reduce reliance on conventional sources energy. This includes adopting energy-efficient appliances and systems.
14. The PP is advised to include rainwater harvesting and water-efficient fixtures to minimize freshwater usage.
15. All necessary clearance from the concerned authority as may be applicable should be obtained prior to commencement of project or activity.

16. The Project Proponent shall obtain necessary approval from local body for sourcing the fresh water demand.
17. The voluntary contribution as committed by the Project proponent may be deposited to EMAT towards marine and coastal management and conservation activities.
18. Adequate Green belt shall be developed and the green cover shall be extended to wherever necessary to the maximum extent possible.
19. The project proponent shall plant salinity-tolerant plants that are suitable for the local environment and can withstand high salt concentrations, promoting sustainability and resilience in the landscape.
20. No permanent buildings shall be constructed within the ASI protected land, beyond what has been explicitly proposed and approved under the project.
21. Drinking water kiosk point / water collection point should be provided in the various locations to fulfil the drinking water demand of the visitors.
22. The project proponent must obtain a No Objection Certificate (NOC) for the usage of Anadheenam land from the concerned departments. He is also instructed to obtain NoC from other departments for the usage of their lands.
23. The project proponent shall check the feasibility to incorporate an alternate sponge park system for natural surface runoff to ensure effective stormwater management and promote enhanced water absorption.
24. Only eco-friendly materials should be used for any infrastructure or installations related to the project, ensuring sustainable tourism development without harming the site's cultural and ecological integrity.
25. Strong artificial lighting should not be directed towards the sea to prevent disturbances to marine life and comply with coastal lighting regulations.
26. The project should comply with harmonized accessibility guidelines to ensure that differently-abled individuals have adequate access to the site and its facilities. A third party audit shall be conducted in this regard.
27. The project proponent should conduct a **Heritage Impact Assessment (HIA)** in consultation with the Archaeological Survey of India (ASI) to evaluate any potential impacts of digital and interactive installations on the site's cultural heritage.
28. A **Visitor Carrying Capacity Assessment** should be conducted to ensure sustainable management of tourist flow, minimizing pressure on the site's physical and ecological infrastructure.

**Agenda Item No 5. Proposed Laying of Natural Gas Pipeline in Greater Chennai Area”  
by Thiru. Prasad Srirama Kompella, The Cluster Head, M/s.  
Torrent Gas Chennai Private Limited, Mylapore, Chennai (Single  
Window No. SW/217530/2024)**

**Total Project Cost:** Rs.5000 crores.

**CRZ Classification:** CRZ-IB, CRZ-II and CRZ-IVB areas

The TNSCZMA reviewed the recommendation of the DCZMA of Chennai district in the meeting held on 04.10.2024. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

**Provisions in CRZ Notification, 2011:**

1. As per CRZ Notification 2011, vide para 8 (i) I CRZ I (i)(b) pipelines, conveying systems including transmission lines;
2. As per CRZ Notification 2011, vide Para 8 (II), CRZ-II (iv), (f) *facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II appended to the notification and facilities for regasification of Liquefied Natural Gas (LNG) subject to conditions as mentioned the sub para (ii) of Paragraph 3*
3. As per CRZ Notification 2011, vide para 3 (ii) (b), *facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II appended to the notification and facilities for regasification of Liquefied Natural Gas (LNG) in the areas not classified as CRZ-IA, subject to implementation of safety regulations including guidelines issued by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas guidelines issued by MoEF is not prohibited activity*
4. As the proposed site is not falling in CRZ-I A area, the activity may be permitted.
5. As per CRZ Notification 2011, vide Para 4 (ii) (d), Laying of Pipelines, conveying systems, Transmission line, the proposal may recommend to MoEF & CC, Govt. of India

**Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority**

The Authority decided to recommend the proposal to MoEF&CC, GoI, for CRZ Clearance with the following conditions:

1. The proponent shall ensure safety guideline both during the construction and operational phase in accordance with the Petroleum and Natural Gas Regulatory Board (PNGRB)'s regulations.
2. The proponent should follow the guidelines for the disposal of surplus excavated materials after refilling in compliance with environmental regulations and the Construction and Demolition Waste Management Rules, 2018.

3. The construction debris and / or any other type of waste shall not be disposed of into the sea and CRZ areas.
4. The proponent should ensure that the minimum scour depth is to be maintained during the pipeline's crossing of the waterbodies. There shall not be any blockage of river flow due to the laying of pipeline and free flow of water shall be maintained at all times.
5. To ensure that steel pipes are sourced from licensed BIS certified manufacturers and adhere to the quality standards set by the Bureau of Indian Standards (BIS)
6. No construction activity shall be undertaken by the Proponent until obtaining the CRZ Clearance from the competent authority.
7. The Authority suggested that Project proponent should strictly adhere to the Solid Waste Management (Amendment) Rules, 2020.
8. The sand dunes and mangroves, if any, on the site shall not be disturbed under any circumstances.
9. Boundary pillars and environmental caution boards, especially those indicating the do's and don'ts, should be erected along the pipeline alignment at fixed intervals and wherever necessary as per the PNGRB regulatory guideline.
10. The unit should always have the preparedness to meet the unforeseen events such as accidents, natural calamities etc.,
11. Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
12. The project proponent shall undertake the establishment of the facility and laying of pipeline, only after getting the required statutory clearances.
13. The Project Proponent should ensure the quality of the pipeline and also the maintenance as the part of the project.
14. The Authority suggested that the project proponent should submit the periodical report on construction as well as an operational phase with GIS map and other supporting document to the District Collector and TNSCZMA.
15. The Project Proponent, in consultation with the Forest Department, formulate and implement plans for the conservation and maintenance of the Mangrove in the vicinity of the project.
16. The project proponent must obtain and submit a No Objection Certificate (NOC) from the Highways Department and other departments whichever are applicable for the implementation of the proposed project.
17. The Project proponent should submit the periodical reports to the Greater Chennai corporation and any other regulatory authorities about the execution of the work.
18. The project proponent should regularly update and share the pipeline network map with the Highways Department, Water Resources Department, Chennai Metro Rail Limited, Chennai Metropolitan Water Supply and Sewerage Board,

- Greater Chennai Corporation etc., to facilitate coordination and avoid conflicts with other infrastructure projects.
19. The unit shall prepare the onsite and offsite emergency preparedness plan based on detailed risk analysis before commencing of the unit.
  20. As the Project proponent informed, a low pressure test will be carried out once every three months for the entire pipeline. The compliance report of the monitoring should be submitted to Ministry of Environment Forests and Climate Change (MoEF&CC), Government of India and TNSCZMA on a biannual basis.
  21. The unit shall not generate any trade effluent from its activity.
  22. The Unit shall obtain necessary approvals from the competent authorities for its proposed pipeline project before commissioning.
  23. The Unit shall follow the guidelines stipulated by Oil Industry Safety Directory (OISD)
  24. The Unit shall carry out necessary protective coatings and Cathodic protection is to be provided for the pipelines against external corrosion and ensure that there is no leakage in the entire length of the pipeline.
  25. The pipeline should be kept in good working conditions all the year with periodic maintenance.
  26. The proponent shall obtain necessary approval from Chief Controller of Explosives before commissioning of the project.
  27. The unit shall take proper precautionary measures during the laying of pipeline while crossing the river sources without affecting the environmental factors specifically natural course water flow.
  28. The pipeline shall be continuously monitored using a Supervisory Control and Data Acquisition (SCADA) system to detect leaks, ensure safe operations, and allow real-time intervention in case of emergencies. Any leakage in the pipeline shall be immediately detected by the computer system and product pumping shall be cut off immediately.
  29. The Unit shall provide the leak detection software in the pipeline with a real time model for detection sizing and location of leaks.
  30. The Unit shall prepare the onsite and offsite emergency preparedness plan based on detailed risk analysis before the commencement of the unit.
  31. The Unit shall obtain a policy under the Public Liability Insurance Act 1991.
  32. The Unit shall plant a minimum of 10 native tree saplings for every tree cut during the laying of the proposed pipeline and also ensure the growth of the trees.
  33. This Unit under the Water Act shall not be construed as the Right to supersede or Overrule Other Acts or Rules or Bylaws or Directions etc. issued by other Government Department/ Statutory Body / Local Body/ Organization etc., and the Unit shall abide by the same, as and when issued by the respective authority.

34. The unit should always have the preparedness to meet unforeseen events such as accidents, natural calamities etc.,
35. The project proponent should submit a detailed CSR implementation report, including green belt development, community-based environmental initiatives, and any local employment generation measures.
36. The Project Proponent should conduct public awareness campaigns and install clear signage at key locations along the pipeline route to ensure public safety and emergency preparedness.

**Agenda Item No. 6                      Presentation on final draft Coastal Zone Management Plan (CZMP) prepared as per CRZ Notification, 2019 and directives issued by the Hon'ble National Green Tribunal (SZ)**

During the meeting, the National Centre for Sustainable Coastal Management (NCSCM) has presented the final draft CZMP 2019 incorporating the directives from the Hon'ble NGT (SZ) in OA No. 101 of 2022 dated 17.10.2024. Following the presentation, the Chairperson of TNSCZMA suggested that the Fisheries and Fishermen Welfare Department has to arrange a pre consultation meeting with representatives from various fishermen associations across all coastal districts to discuss the draft CZMP.

**Sd./- xxxx**  
**Thiru A.R. Rahul Nadh, I.A.S.,**  
**Member Secretary,**  
**Tamil Nadu State Coastal Zone**  
**Management Authority &**  
**Director, Department of Environment &**  
**Climate Change,**  
**Chennai - 35.**

**Sd./- xxxx**  
**Tmt. Supriya Sahu, I.A.S.,**  
**Chairperson, Tamil Nadu State Coastal Zone**  
**Management Authority and**  
**Additional Chief Secretary to Government,**  
**Environment, Climate Change &**  
**Forest Department,**  
**Secretariat, Chennai-9.**