

## **134<sup>th</sup> MEETING**

### **TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY**

**Date: 14.05.2025 (Wednesday)**  
**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.**

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# **TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY**

## **134<sup>th</sup> MEETING**

### **AGENDA**

**Date: 14.05.2025 (Wednesday)**

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

The 133<sup>rd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 21.02.2025 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1832/2024 dated 26.02.2025.

**Agenda Item No.02:**      **The action taken on the decisions of 133<sup>rd</sup> meeting of the Authority held on 21.02.2025.**

| <b>S. No</b> | <b>Subject</b>                                                                                                                                                                                                                                     | <b>Action taken</b>                                                                                                                              |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 01           | 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                                                       | As resolved by the Authority, the proposal was returned to the Project Proponent in the present form.                                            |
| 02           | 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 | As resolved by the Authority, the proposal has been recommended to DTCP for issuing Clearance, vide letter No. P1 / 1807 / 2024 dated 26.02.2025 |

|    |                                                                                                                                                   |                                                                                                                                                             |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 03 | Proposed Laying of Natural Gas Pipeline in Greater Chennai Area" by The Cluster Head, M/s. Torrent Gas Chennai Private Limited, Mylapore, Chennai | As resolved by the Authority, the proposal has been recommended to MoEF & CC, GoI, for issuing Clearance, vide letter No. P1 / 1752 / 2024 dated 26.02.2025 |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Agenda Item No 3: Proposed Laying of 12.75" OD and 6.625" OD underground Natural Gas pipeline network for City Gas Distribution Project in Thoothukudi District by Indian Oil Corporation Limited, Southern Region Pipelines, City Gas Distribution Project, Ettayapuram Road, Tuticorin (SW/238690/2025)**

The District Environmental Engineer, TNPCB, Thoothukudi has forwarded a proposal received from Indian Oil Corporation Limited, Southern Region Pipelines, City Gas Distribution Project, Ettayapuram Road, Tuticorin for the proposed laying of 12.75" OD and 6.625" OD underground Natural Gas pipeline network for City Gas Distribution Project in Thoothukudi District. The project information and EIA, EMP report prepared by M/s. Mantec Consultants Pvt. Ltd., Noida - 201 301 having NABET certificate No. NABET/EIA/2326/RA 0305\_Rev.01, valid up to 20.04.2026.

**Need for the Project**

The end consumers of natural gas from the City Gas Distribution (CGD) network belong to 4 segments namely - Domestic (Household Cooking Demand), Commercial (Restaurants, Hotels, Hospitals and Malls etc.), Industrial (Fuel requirement of small/medium industries with demand less than 1,00,000 SCMD) and Transport (Fuel requirements of vehicles).

The main objective of laying city gas distribution pipelines is to ensure that all the consumer segments are catered by natural gas. The volume of the demand from each of the segments and the density of that demand in specific charge areas are used to plan and lay the network which ensures that the total demand is being catered optimally and in a cost-efficient manner. Distribution network evolves over a period of time along with the city's demand for natural gas.

**Location of the Project:**

The project envisages setting up a 12" NB Natural Gas Pipeline from DT CGS (Dispatch Terminal - City Gas Station) (SV-128) to RT1 at Thoothukudi and 6" NB from a tap-off point near DT CGS to RT2 at Thiruchendur.

As per IRS report, proposed pipeline route falls adjacent to the canal and backwater and falls in CRZ - IB, CRZ-II, CRZ-III (NDZ) and outside CRZ area as

per approved CZMP. The proposed pipeline partly passes through the CVCA boundary.

The Coordinates of proposed pipeline of CPCL is given below

| Label         | Latitude        | Longitude       |
|---------------|-----------------|-----------------|
| A             | 8° 45' 55.324"N | 78° 8' 0.619"E  |
| B             | 8° 45' 16.211"N | 78° 7' 46.406"E |
| SV 128<br>CGS | 8° 43' 22.894"N | 78° 6' 10.005"E |
| C             | 8° 42' 24.121"N | 78° 6' 29.844"E |
| D             | 8° 41' 47.364"N | 78° 6' 19.494"E |
| E             | 8° 41' 23.627"N | 78° 6' 13.290"E |
| F             | 8° 40' 15.512"N | 78° 5' 38.241"E |
| G             | 8° 39' 53.990"N | 78° 5' 18.906"E |
| H             | 8° 39' 21.531"N | 78° 5' 13.518"E |
| I             | 8° 38' 57.999"N | 78° 5' 01.722"E |
| J             | 8° 38' 32.387"N | 78° 4' 42.238"E |
| K             | 8° 38' 06.646"N | 78° 4' 27.164"E |
| L             | 8° 36' 18.604"N | 78° 4' 21.657"E |
| M             | 8° 35' 54.867"N | 78° 4' 20.503"E |
| N             | 8° 35' 46.323"N | 78° 4' 40.633"E |
| DCW           | 8° 35' 27.190"N | 78° 4' 58.971"E |

The length of pipeline in various CRZ zone given below

| S. No            | CRZ Location as per CRZ Map | Pipeline Details                                                                                                                      | CRZ Classification       | Length in meters | Total Length in Meters |
|------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|------------------------|
| 1                | A-B                         | <b>Pipe Size:</b> 12.75"<br><b>Location:</b> Korampallam Channel in SH-176<br><b>Village:</b> Milavitan<br><b>Taluk:</b> Thoothukudi  | CRZ - IB (CVCA Boundary) | 110.43           | 591.39                 |
|                  |                             |                                                                                                                                       | CRZ - II                 | 480.96           |                        |
| 2                | C-D                         | <b>Pipe Size:</b> 6.625"<br><b>Location:</b> Mathikettan Odai in SH-176<br><b>Village:</b> Palayakkayal<br><b>Taluk:</b> Srivaikundam | CRZ - III (NDZ)          | 67.39            | 185.29                 |
|                  |                             |                                                                                                                                       | CRZ - II                 | 117.9            |                        |
| Within CRZ area  |                             |                                                                                                                                       |                          |                  | 776.68                 |
| Outside CRZ area |                             |                                                                                                                                       |                          |                  | 22915.12               |
| Total            |                             |                                                                                                                                       |                          |                  | 23691.80               |

### **Description of the Project**

M/s. IOCL transport the natural gas through underground pipeline along SH 176 from city gate station to sahupuram and city gas station to Thoothukudi for supply of natural gas to domestic households, commercial industrials. The total pipeline is 23.8 km. The length of the pipeline in CRZ area 776.68m. At CRZ crossing area, pipeline will be laid by Horizontal drilling method (HDD). The total GA area is 13138 Sq. km and the plot area at CGS is 3532.4 Sq.m.

### **Water requirement & Sewage generation**

The requirement of construction water for the project would be met through water tankers as available. The total water requirement of the project is 2 KL per day and for domestic purpose water from percolation pit will be used.

### **Manpower Requirement**

A total of 10 workers are needed for the project, for both the constructional and operational phase.

### **Power Requirement**

Power supply for construction activities shall be arranged through Diesel Generator set at sites. At DT CGS (SV 128) there is a DG set of 25 KVA with a 100% load of 34.71 Amp and solar panel are used.

### **Leak Detection System (LDS):**

Suitable no of Gas Detection System should be installed for the pipeline. Daily pipeline patrolling shall be carried out.

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

The proposed project site falls in CRZ - IB & CVCA Boundary, CRZ - II, CRZ - III (NDZ) and the total cost of the project is **Rs.35 Crore**.

### **Recommendations of DCZMA, Thoothukudi district**

The proposal was placed before the DCZMA of Thoothukudi district in the 82<sup>nd</sup> meeting held on 11.12.2024 and the DCZMA has resolved to recommend the proposal to SCZMA for consideration of CRZ Clearance without any conditions

## Provisions in the CRZ Notification, 2011

- Para 8 (i) I (i) (b) pipelines, conveying systems including transmission lines area permissible activities in CRZ - I
- Para 8 (i) II (iv) facilities for receipt and storage of petroleum products and liquified natural gas as specified in annexure -II appended to this notification is permissible activities in CRZ - II
- Para 8 (i) III (iii) (e) facilities for receipt and storage of petroleum products and liquified natural gas as specified in annexure -II appended to this notification is permissible activities in CRZ - III NDZ
- Para 4 (ii), (d), laying of pipelines, conveying system, transmission line are permissible and shall require clearance from MoEF & CC, GoI after being recommended by the concerned SCZMA.

## Remarks of Technical Expert Committee (Meeting held on 28.03.2025)

The PP has submitted a proposal for the laying of underground natural gas pipelines as part of the City Gas Distribution (CGD) project in Thoothukudi district, covering areas under the Coastal Regulation Zone (CRZ). Upon detailed review, the Committee makes the following observations and recommendations:

1. There shall be **no obstruction to the natural flow of rivers or water bodies** due to pipeline laying activities. Adequate measures must be taken to ensure unimpeded water flow at all times.
2. A **minimum scour depth of 5 meters** must be maintained where the pipeline crosses water bodies. The use of **Horizontal Directional Drilling (HDD)** is strongly recommended to minimize ecological disturbance, particularly to aquatic habitats.
3. The pipeline shall be **continuously monitored through a Supervisory Control and Data Acquisition (SCADA)** system to detect leakages, ensure operational safety and enable real-time emergency response.
4. The PP must obtain and furnish **No Objection Certificates (NOCs)/Consents** from relevant departments, including the Highways Department, WRD and local bodies, prior to project implementation.
5. The Project Proponent shall provide **updated statistics** regarding:
  - Number of household and industrial connections established
  - Total project length
  - Work completed and work in progress
  - Projected timelines for completion
6. Periodic progress reports must be submitted to the relevant regulatory authorities, including the District Administration and Greater Chennai Corporation, as applicable.

7. The **pipeline route map** should be updated and shared regularly with all relevant agencies—Highways, WRD, CMRL, GCC, District Administration and others—to ensure coordinated planning and avoid infrastructure conflicts.
8. A detailed **preventive maintenance schedule** should be followed to ensure the pipeline is maintained in optimal working condition throughout the year.
9. An **Onsite and Offsite Emergency Preparedness Plan (EPP)** should be prepared based on detailed risk assessments and submitted before project commencement.
10. The Project Proponent must adhere to **Oil Industry Safety Directorate (OISD) guidelines** under the Ministry of Petroleum and Natural Gas for design, construction and operation of the pipeline.
11. **Pressure testing** of the pipeline shall be carried out once every three months. **Monitoring and compliance reports** shall be submitted to MoEF&CC, GoI, and TNSCZMA on a half-yearly basis.
12. **Sectionalizing valves** must be installed as per the **Population Density Index (PDI)** classification and **Petroleum and Natural Gas Regulatory Board (PNGRB)** guidelines and be properly maintained for emergency isolation.
13. The unit must have adequate **contingency protocols in place** to respond to unforeseen events such as natural disasters, technical failures, or accidents.
14. The Project Proponent shall submit a detailed **Corporate Social Responsibility (CSR)** implementation plan, including measures for **green belt development, community-based environmental initiatives, and local employment generation**.
15. An **Environmental Impact Mitigation Plan (EIMP)** should be submitted, detailing strategies to minimize ecological and environmental impacts during both construction and operational phases.
16. The Project Proponent shall undertake **public safety and awareness campaigns** and install **clear signage** at strategic locations along the pipeline route to inform communities about safety protocols and emergency contact points.
17. The establishment of a **centralized control room** for real-time monitoring of the entire pipeline network is to be ensured for enhanced operational control.
18. It is recommended that the Project Proponent contribute to the Coastal Ecosystem Restoration (CER) Fund, to be administered by the proposed Marine Resource Foundation (MRF), which is being instituted by the Government of Tamil Nadu in FY 2025-26 to support marine conservation and sustainable coastal management initiatives.

With the above observations and recommendations, the TEC recommends the proposal for consideration by the Authority (TNSCZMA), subject to adherence to all applicable environmental, technical, and safety regulations.

**Agenda Item No. 4 Proposed construction of Hotel, Beach Resort with Convention Centre at East Coast Road, Uthandi, Chennai comprised in the survey no 2/433 & 3/504A, Uthandi village, Sholinganallur Taluk, Chennai District by M/s. Brigade hotel ventures limited, Perungudi, Chennai (Single Window No. SW/229248/2025)**

The District Environmental Engineer, TNPCB, Chennai has forwarded a proposal received from M/s. Brigade hotel ventures limited, Perungudi, Chennai for the proposed construction of Hotel, Beach Resort with Convention Centre at East Coast Road, Uthandi, Chennai comprised in the survey no 2/433 & 3/504A, Uthandi village, Sholinganallur Taluk, Chennai District. The EIA report prepared by Eco services India (P) Ltd, Chennai having NABET certificate up to 03.04.2027.

**Need of the project:**

The proposed development will be multifunctional facility that offer lodging & recreational facilities for travelers, tourists and business professionals with view of sea coast. It will also function as a place for hosting various events like conferences, conventions, meeting and seminars. This will also stimulate the local economy by creating jobs and driving business to nearby restaurants, shops and attractions. The project will also stimulate ancillary developments around the project area. This will result in the development of necessary infrastructure and amenities such as sewer line connection, water supply through pipeline, waste management and telecommunication services around the project site.

**Project Description:**

The proposed project is a development of Hotel, Beach Resort with Convention Centre at East Coast Road, Uthandi, Chennai comprised in the survey no 2/433 & 3/504A, Uthandi village, Sholinganallur Taluk, Chennai district in the land extent of 64,466 Sq.m for the built-up area of 47,283 Sq.m.

**Built Up Area statement:**

The Hotel, Beach Resort with convention centre proposal include Zone A blocks namely Block A1 (Convention centre, BOH, Parking, Learning Activity Centre 1&2, Drop Off 1&2, Spa & Wellness centre) - Combine Stilt/Ground + 2 Floors, Block A2 (Guest Rooms) - Ground + 4 Floors, Zone B blocks namely Block B1 (All day Dining & Lobby)- Ground +1 Floor, Block B2 (Grand Club Lounge) - Ground + 1 Floor, Block B3, B4, B5 & B6

(Villas) - Ground +1 Floor, Block B7 (Specialty Restaurant) - Ground + 1 Floor, Block B8, B9 & B10 (Garden Suites) - Ground + 1 Floor and Utilities (Artificial Water Body, Transformer Yard, Security Room, Swimming Pool, DG room, STP, ETP, SEM Room, etc.,) for a total built up area of 47283 Sq.m in the land extent of 64466 Sq.m. There is no development activity in Zone C and the area is earmarked for Green Belt development.

| Name of the Block                                                         | No of Floors       | Height of the building (m) | FSI Area (Sq.m) | Non FSI & Parking Area (Sq.m) | Total Built up Area (Sq.m) | Activity                                                                                                        |
|---------------------------------------------------------------------------|--------------------|----------------------------|-----------------|-------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Zone A                                                                    |                    |                            |                 |                               |                            |                                                                                                                 |
| Block A1- Convention centre                                               | Combined S/G F +2F | 18.3                       | 8812            | 10540                         | 19352                      | Convention centre, BOH, Parking, Learning Activity Centre 1 & 2, Drop off 1 & 2, Spa & wellness centre, DG sets |
| Block A2- Guest wing                                                      | G+4F               | 18.3                       | 12032           | 817                           | 12849                      | Hotel Guest rooms -155 Nos                                                                                      |
| Utilities (Artificial Water Body, Transformer yard, security room, etc.,) |                    | -                          | 500             | 300                           | 800                        | -                                                                                                               |
| Sub Total (A)                                                             |                    | -                          | 21344           | 11657                         | 33001                      | -                                                                                                               |
| Zone B                                                                    |                    |                            |                 |                               |                            |                                                                                                                 |
| Block B1- All day Dining & Hall                                           | G+1 F              | 9                          | 1296            | 1936                          | 3232                       | All Day Dining & Lobby                                                                                          |
| Block B2- Grand club Lounge                                               | G + 1 F            | 9                          | 500             | 26                            | 526                        | Club Amenities                                                                                                  |
| Block B3, B4, B5 & B6 - Villa type room                                   | G + 1 F            | 9                          | 3180            | 168                           | 3348                       | Hotel Guest rooms-18 Nos                                                                                        |
| Block B7 - Specialty Restaurant                                           | G + 1 F            | 9                          | 432             | 22                            | 454                        | Restaurant                                                                                                      |
| Blocks B8, B9 & B10 -                                                     | G + 1 F            | 9                          | 4388            | 228                           | 4616                       | Hotel Guest rooms-67 Nos                                                                                        |

|                                                                    |   |       |       |       |   |  |
|--------------------------------------------------------------------|---|-------|-------|-------|---|--|
| Garden Suites type room                                            |   |       |       |       |   |  |
| Utilities (Swimming Pool, STP/ETP Room, SWM Room)                  | - | 2000  | 106   | 2106  | - |  |
| Sub Total (B)                                                      | - | 11796 | 2486  | 14282 | - |  |
| Zone C                                                             |   |       |       |       |   |  |
| No Development proposed. Earmarked for greenbelt development & OSR |   |       |       |       |   |  |
| Total (A+B)                                                        |   | 33140 | 14143 | 47283 | - |  |

| S. No | Proposed project survey No | CRZ classification | Land extent (in Sq.m) |
|-------|----------------------------|--------------------|-----------------------|
| 1     | 3/504A                     | Non CRZ            | 26,345                |
| 2     | 2/433                      | Non CRZ            | 689                   |
|       |                            | CRZ-II             | 37,432                |
| Total |                            |                    | 64,466                |

#### Land Use Break Up Details:

| S. No | Description                             | Area in Sq.m | Percentage (%) |
|-------|-----------------------------------------|--------------|----------------|
| 1     | Total Land                              | 64466        | 100            |
| 2     | Total Ground Coverage Area of Buildings | 16307        | 25             |
| 3     | Other Utilities                         | 2606         | 4              |
| 4     | Driveway                                | 15010        | 24             |
| 5     | Pavement Area (Porous and Green pavers) | 3439         | 5              |
| 6     | Greenbelt Area                          | 20640        | 32             |
| 7     | OSR Area                                | 6464         | 10             |

#### Project location:

The geo coordinates of the project location is given below

| Point | Latitude      | Longitude     |
|-------|---------------|---------------|
| 1     | 12°51'29.03"N | 80°14'31.15"E |
| 2     | 12°51'31.72"N | 80°14'31.39"E |
| 3     | 12°51'26.83"N | 80°14'56.46"E |
| 4     | 12°51'24.32"N | 80°14'56.17"E |

**Classification of CRZ area:**

| S. No | CRZ Zone            | Plot Name | Land Extent (Sq.m) | Proposed Activity                                                                                    |
|-------|---------------------|-----------|--------------------|------------------------------------------------------------------------------------------------------|
| 1     | Non CRZ             | Zone A    | 27034              | Hotel Guest rooms, Convention centre & associated amenities with a maximum building height of 18.3 m |
| 2     | CRZ -II (200m-500m) | Zone B    | 24909              | Hotel Guest rooms & associated amenities with a maximum building height of 9 m                       |
| 3     | CRZ-II (0-200m)     | Zone C    | 12523              | Green belt Development & OSR                                                                         |
|       | Total               |           | 64466              | -                                                                                                    |

**Water requirement:**

Construction Phase: About 30-40 KLD of water will be required and will be sourced through private tankers supply.

Operation phase: About 227 KLD of fresh water will be sourced through CMWSSB Water supply & Sewerage scheme.

**Solid Waste Management:**

| S. No | Description         | Quantity  | Mode of treatment/disposal                                                      |
|-------|---------------------|-----------|---------------------------------------------------------------------------------|
| 1     | Biodegradable waste | 0.9 TPD   | Treated in Organic waste Converter and used as manure for greenbelt development |
| 2     | Non-Biodegradable   | 0.6 TPD   | Handed over to Authorized Recyclers/Vendors                                     |
| 3     | STP sludge          | 0.028 TPD | Dewatered and Processed in OWC and Converted into manure                        |
| 4     | ETP sludge          | 2 Kg/day  | Dedicated storage in SWM room & handed over to TSDF                             |
| 5     | E-waste             | 4.2 TPA   | Dedicated storage in SWM room & authorized handed over to Recyclers/Vendors     |
| 6     | Used oil            | 1 TPA     | Handed over to authorized handed over to Recyclers/Vendors                      |

**Power requirement:**

The power requirement during operation is calculated to be about 2,500 KVA and it will be sourced from the nearby TANGEDCO grid, which further will be distributed through the transformers within the premises. For emergency purposes, it is proposed DG sets of 2 Nos. of 1010 kVA & 1 No of 500 kVA capacities.

**Parking requirement:**

The parking is proposed on three combined floors, on the surface as well as on the two levels of basement floors. The parking requirement as per the CMDA requirement was calculated and the proposed parking requirement for the proposed project is given below

| Parking Location             | Car Parking       |             | Two-Wheeler Parking |             |
|------------------------------|-------------------|-------------|---------------------|-------------|
|                              | No of parks (Nos) | Area (Sq.m) | No of Parks (Nos)   | Area (Sq.m) |
| Total No of parking provided | 218               | 2725        | 316                 | 569         |
| Total No of parking Required | 215               | 2688        | 316                 | 569         |

**Utility structures:****1. Proposed STP & ETP:****Construction phase:**

It is assumed that about 80% of the total water requirement will be generated as sewage. Thus, the total quantum of sewage generated in peak situations is expected to be about 3240 litres/day. The generated sewage would pass through a septic tank and regular cleaning and maintenance will be carried out through private septic tankers. Water requirement for the project during construction is primarily required for the preparation of mortar, PCC and RCC curing and domestic uses (construction workforce).

**Operation phase:**

The waste water generation is estimated to be 286 KLD which will be treated in a Sewage Treatment Plant of 300 KLD Capacity & effluent generated from laundry (14 KLD) will be treated in Effluent Treatment Plant of 20 KLD capacity and sent to STP for further treatment. The treated waste water is proposed to be recycled for flushing,

greenbelt development and HVAC requirements. A Dual plumbing system is planned in the building for complete recycling of the treated sewage.

## **2. Green belt development:**

The green belt area of 20640 Sq.m will be developed with 800 Nos of native species. Adequate numbers of these species will be planted in the green belt area, along the site boundary and the central median and on either side of the internal drive ways. The small canopy trees will be planted at a spacing of 3m intervals and large canopy trees will be planted at a spacing of 9m intervals.

## **3.Storm water Drainage system & Harvesting system:**

Storm water drains will be provided all along the periphery of the property to collect storm water runoff during rains. They would be adequately sized to prevent over flooding of the site. The storm water collection system will be designed in such a manner to ensure only storm water from garden, parking areas, roadways and a lawn is used for recharging of ground water. The excess storm water drain after recharge and storage will be conveyed into the external storm water drain lies in the project boundary which has its outfall into the nearby natural drainage course. The rainwater and storm water design are as per Rain water Harvesting & Conversation Manual, CPWD, GoI. The total estimated runoff (cum/day) is 653 Cu.m.

## **4.Fire Fighting system:**

Firefighting system in the Residential development is designed in line with National Building code, 2016, Part IV fire & Life safety

- Wet risers every 1000 Sq.m with underground static water feed tank of 200 KL.
- Overhead tank at terrace level of 75 KL total capacity
- Manual fire alarms at each floor level
- Automatic sprinkler system at basement & Stilt floors.
- Public address system connecting all the floors.
- Fire escapes internal & external staircases in all the blocks
- Instructions for free fire exits
- Other fire aid equipment in accordance with the IS 2190:2010
- An Automatic fire detection system with different types of heat and smoke detectors will be provided in different areas of the building/warehouses.

- The control room/security room with a communication system for all floors and a facility for receiving messages from different floors shall be provided at the entrance on the ground floor.

#### **Solar Energy Utilization:**

The solar panels will be installed in covering 50% of the available terrace area. The Solar lighting in common areas and street lights & solar water heater will be installed to cater the hot water requirement. Solar panels with the total power capacity of 530 KW and will be installed in the rooftop area.

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

The project site falls partially in CRZ-II area and the total cost of the project is Rs.92.13 crore.

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

The DCZMA meeting of Chennai district held on 11.12.2024 and the committee recommended the project to SCZMA subject to the following conditions

1. The Project Proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011.
2. No construction activity shall be started / undertaken by the proponent until obtaining the CRZ clearance from competent Authority.
3. Prior Planning permission should be obtained for the proposed constructions, if any, from the competent authorities.
4. The project proponent shall obtain consent from the TNPC Board for the proposed project under the Water & Air Acts, after obtaining CRZ clearance.
5. The Project Proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018.
6. The project proponent shall operate and maintain the STP efficiently and continuously so as to satisfy the standards prescribed by the Board at all times.
7. The treated sewage shall be utilized for greenbelt development and HVAC as committed.
8. The Project Proponent shall establish proper sludge separation and disposal system for the sludge from the STP.
9. All the solid waste shall be handled as per the Solid Waste Management Rules, 2016.

10. The project proponent shall operate and maintain the OWC efficiently and continuously for scientific disposal of food/organic waste generated within the unit premises.
11. The project proponent shall utilize the STP sludge and compost from OWC as manure.
12. The project proponent shall comply with the provisions of Hazardous and other Waste (M&TM), Rules, 2016.
13. The proponent shall comply with the Environmental Management Plan during construction and operation phases.
14. The project proponent shall avoid the usage of bright lightings near the shore area to protect the turtle nesting and movements.
15. There should not be any adverse impact on the fishermen and fishing activities due the project.
16. The proponent shall comply the following Guidelines for development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of the Ministry of Environment and Forests as Annexure III in the CRZ Notification 2011.
  - a. live fencing and barbed wire fencing with vegetative cover may be allowed around private properties subject to the condition that such fencing shall in no way hamper public access to the beach;
  - b. no flattening of sand dunes shall be carried out;
  - c. no permanent structures for sports facilities shall be permitted except construction of goal posts, net posts and lamp posts;
  - d. Construction of basement may be allowed subject to the condition that no objection certification is obtained from the State Ground Water Authority to the effect that such construction will not adversely affect the flow of groundwater in that area;
  - e. the State Ground Water Authority shall take into consideration the guidelines issued by Central Government before granting such No Objection Certificate;
  - f. the quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986;
  - g. necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that the untreated effluents and solid wastes are not discharged into the water or on the beach; and no effluent or solid waste shall be discharged on the beach;

- h. if the project involves diversion of forestland for non-forest purposes, clearance as required under the Forest (Conservation) Act, 1980 shall be obtained and the requirements of other Central and State laws as applicable to the project shall be met with; and
- i. approval of the State or Union territory Tourism Department shall be obtained.

17. In ecologically sensitive areas (such as marine parks, mangroves, coral reefs, breeding and spawning grounds of fish, wildlife habitats and such other area as may be notified by the Central or State Government Union territories) construction of beach resorts or hotels shall not be permitted.

The Project Proponent has submitted the replies to the above conditions vide letter dated 27.01.2025.

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

- The Annexure-III of CRZ Notification 2011 has issued guidelines for development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of MoEF & CC, Govt. of India.
- Hence, the proposal may be recommended to MoEF & CC, Govt. of India, for issuing Clearance.

**Note:**

- However, there is no existing authorized structure/authorized road between the proposed site and the HTL of the sea. In the meantime, the Project Proponent has proposed to construct the building beyond 200 meters from HTL of sea.
- The project proponent stated that greenbelt development activities is carried out in CRZ (0-200m).

**Remarks of Technical Expert Committee (Meeting held on 28.03.2025)**

The Project Proponent explained that the proposed construction activities fall within both CRZ-II and non-CRZ areas. The built-up construction is planned between 200 m and 500 m from the High Tide Line (HTL), which lies within the CRZ-II zone. Only greenbelt development is proposed in the area between 0 m and 200 m from the HTL, in compliance with CRZ regulations.

1. The eastern side of the site includes turtle nesting grounds classified as CRZ-IA (Ecologically Sensitive Areas), which shall not be disturbed under any circumstances. Low-level lighting and bio-fencing shall be provided along the site boundary to prevent any adverse impact. The Project Proponent is advised to coordinate with the Forest Department, NGOs, or other voluntary organizations

to monitor nesting activities during the nesting season (March-April) and undertake appropriate conservation measures.

2. Groundwater extraction within the CRZ area is strictly prohibited. The Project Proponent shall ensure full compliance.
3. The Project Proponent informed that the freshwater requirement for the proposed development will be fully met through supply from CMWSSB. A formal commitment letter from CMWSSB confirming the assured water supply shall be obtained and submitted prior to the TNSCZMA meeting.
4. The project premises shall be declared a "Plastic-Free Zone." Use of single-use plastics shall be avoided, and eco-friendly or sustainable alternatives are to be encouraged. A Plastic Waste Management Plan shall be included in the Environmental Management Plan (EMP) to minimize plastic pollution and safeguard the coastal environment.
5. The Project Proponent shall implement an on-site solid waste management system to ensure segregation of biodegradable and non-biodegradable waste. Organic waste shall be composted and used for landscaping, while non-biodegradable waste shall be handed over to authorized recyclers approved by TNPCB/GCC.
6. A rooftop solar photovoltaic system shall be installed to meet a portion of the project's energy requirements and promote the use of renewable energy.
7. The project shall incorporate a scientifically designed rainwater harvesting system to enhance water conservation and groundwater recharge.
8. In light of potential extreme weather events, the Project Proponent shall implement appropriate flood control measures and prepare a comprehensive disaster mitigation and management plan.
9. Existing trees on the site shall be retained as far as possible. Where tree cutting is unavoidable, prior permission shall be obtained from the Forest Department. For every tree felled, a minimum of 10 trees shall be planted, in consultation with the DFO, Chengalpattu and the Green Tamil Nadu Mission.
10. The treated effluent from the Sewage Treatment Plant (STP) shall be fully recycled and reused for landscape irrigation and toilet flushing. No treated or untreated wastewater shall be discharged into the sea or any adjacent water bodies.
11. Adequate parking facilities shall be provided within the site as per CMDA norms. A traffic and parking management plan shall be developed to ensure smooth vehicular movement and prevent congestion in and around the project premises.

12. The Project Proponent is encouraged to contribute funds under Corporate Environmental Responsibility (CER) to the proposed Marine Resource Foundation (MRF), an upcoming initiative by the Government of Tamil Nadu for the promotion of marine protection and coastal conservation.

With the above observations and remarks, the TEC recommends the proposal for consideration by the Authority.

**Agenda Item No. 5: Proposed construction of 20 MT Ice Plant cum Diesel outlet bearing survey No. 2891 (pt) at Nambiyar Nagar, Nagapattinam Taluk, Nagapattinam District by The Senior Manager (Marine), Tamil Nadu Fisheries Development Corporation Limited (TNFDC), Chennai (SW/236720/2025)**

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam district has forwarded a proposal received from the Senior Manager (Marine), Tamil Nadu Fisheries Development Corporation Limited (TNFDC), Chennai for the proposed construction of 20 MT Ice Plant cum Diesel outlet bearing survey No. 2891 (pt) at Nambiyar Nagar, Nagapattinam Taluk, Nagapattinam District. The EIA report was prepared by M/s. ABC Techno Labs India Pvt. Ltd., Chennai having certificate of Accreditation from NABET valid up to 16.11.2025.

**Need of the project:**

Many people in Nambiyar Nagar are fisherfolk, they require basic amenities like Ice Plant and Diesel outlet. The construction of an Ice Plant and Diesel bunk can be part of a broader development plan aimed at supporting traditional industries like fishing, boosting local economies and enhancing sustainability. These facilities will not only help the local fishermen but also have a positive impact on the overall fisheries economy in the region, improving the supply chain and boosting the local fish market.

**Location of the project:**

The proposed site geographical co-ordinates are latitude of 10°46'44.31" N and longitude of 79°50'54.47" E. The below figure shows the general and specific location of the project site

| Description           | Label | Latitude (L)    | Longitude (E)   |
|-----------------------|-------|-----------------|-----------------|
| Project site Boundary | A     | 10°46'45.408" N | 79°50'54.060" E |
|                       | B     | 10°46'45.264" N | 79°50'55.464" E |
|                       | C     | 10°46'43.104" N | 79°50'54.636" E |
|                       | D     | 10°46'45.320" N | 79°50'54.772" E |
| Proposed Diesel Bunk  | E     | 10°46'45.353" N | 79°50'54.421" E |
|                       | F     | 10°46'44.111" N | 79°50'54.995" E |
| Proposed Ice Plant    | G     | 10°46'44.422" N | 79°50'54.007" E |
|                       | H     | 10°46'43.816" N | 79°50'54.559" E |

**Description of the project:**

Tamil Nadu Fisheries Development Corporation Limited has proposed for the construction of 20 Mt Ice Plant cum Diesel outlet bearing Survey DOECC/314/2025-TA-TNSCZMA I/204523/2025 No.2891(pt) at Nambiyar Nagar in Nagapattinam Taluk & District. The shortest distance from HTL (Bay of Bengal) to the boundary corner B is 239.83m and the shortest distance from HTL (creek) to the boundary corner C is 86.89 m. The details of the proposed structures are given below

| S. No | Description                       | Qty/Unit (Sq. m) |
|-------|-----------------------------------|------------------|
| 1     | Diesel bunk                       | 903.27           |
| 2     | Proposed Ice Plant                | 525              |
| 3     | Other utilities area (Green belt) | 912.86           |
|       | Total Area                        | 2341.13          |

**Ice cubes Production Process description:**

The total land area for the 20 MT Ice Plant is 525 Sq.m. The project proponent has proposed to manufacture 400 Ice cubes per day (20 TPD) with each Ice block/cubes of 50 Kg weight. The proposed Ice Plant building with ground floor comprises of product area, machine room, store room and utilities area. The Feron gas of 3 bar pressure and - 30 to 40° C temperature will be stored in a cylinder vessel above the ground.

**Diesel Bunk Details:**

The Diesel bunk has a combine capacity of 20,000 liters (20 KL) HSD cylindrical underground tank and 15,000 liters (15 KL) MS cylindrical underground tank, indicating that the storage tanks can hold a total of 35,000 liters of diesel fuel. The 20 KL and 15 KL tanks are used to store diesel before its dispensed to vehicles or machinery.

The bunk is equipped with 2 fuel dispensing pumps. These pumps allow for the transfer of diesel from the storage tanks to vehicles or machines. Pumps are typically designed for high efficiency and to handle large volumes. The facility will be equipped with continuous monitoring systems for leak detection, fuel dispensing and inventory management. A proper stormwater drainage system will be in place to direct rainwater runoff away from the fuel station and prevent contamination.

This diesel bunk exclusively proposed for fishermen community not for the commercial purpose. For safety purpose 4 Nos of fire buckets with dry sand is installed in fuel station.

**Utilities for the Project:**

**Man Power Requirement:**

During construction phase around 10 workers will be employed and during operation phase 10 staff will be permanently employed.

**Water Requirement:**

Water requirement during construction phase will approximately be 1.27 KLD which will be met through private tankers. The total water requirements during operation phase for the Ice plant process is estimated to be 40 KLD and 0.6 KLD for the domestic & flushing purposes, which will be sourced from private tankers. No ground water utilized for this project.

**Power and Fuel Requirement:**

The power requirement during operation will be 160 KW sourced from the TNEB. For emergency purposes, DG sets (1 no of 10 KVA) will be used which will be provided with 3 m of stack height along with inbuilt acoustic measures as per the CPCB/TNPCB requirements. The fuel used is HSD which will be sourced from local supply.

**Waste water Generation:**

Quantity of sewage generation during construction phase will be around 1.27 KLD. Thus, the sewage will be collected septic tank and disposed through tankers. During operation phase the generated waste water is 0.56 KLD will be collected septic tank with soak pit a disposed through tankers.

**Solid Waste Generation:**

The average waste disposed based on NBC norms, it is expected to generate 0.2 kg per workers and 0.02 kg per visitors. The average visitor arrival is expected to be 10 per day. Therefore, the expected solid waste generated will be 2.2 kg/day. The generated solid waste will be disposed through local panchayat based as per Solid Waste Management 2016 norms.

**CRZ classification and total Project cost:**

The project site falls under CRZ-II area. The total cost of the project is Rs.1.70 crores. There is no existing road between the proposed site and the sea. However, the fishermen settlement is available between the HTL of Sea and the proposed project site.

#### **Recommendation of DCZMA, Nagapattinam district**

The proposal was placed in the DCZMA of Nagapattinam district on 18.02.2025 and the Authority has resolved to recommend the proposal to TNSCZMA, with the following conditions.

1. The Project Proponent shall draw raw water required for the manufacturing of Ice Blocks from the approved ground water clearance before the operation of the Ice Plant.
2. The Project Proponent shall follow the Standard Operating Procedures for commissioning the Diesel Depots as per CPCB Guidelines for their safe operations.
3. The Project Proponent shall ensure that there shall not be any damage to the marine aquatic animals due to construction of ice plant in CRZ Area.
4. The Project Proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority.
5. The Project Proponent shall commence the establishment activity of the unit only after obtaining the Consent for Establishment (CTE) from the TNPCB.
6. The Project proponent shall obtain necessary Consent/ NOC/ Clearance in addition to CRZ and TNPCB Clearance (if needed) from the Competent Authorities.
7. The unit shall dispose the solid wastes to be generated if any as per the Solid Waste Management Rules, 2016.
8. The unit shall dispose construction debris as per the Construction and Demolition Waste Management Rules, 2018.
9. The construction debris and other type of waste shall not be disposed of into the CRZ areas.

The Project Proponent has submitted the replies to the above conditions vide letter dated 26.03.2025

### **Provisions in the CRZ Classification, 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, GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015
- As Para 8 II CRZ-II (ii)" buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the 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".
- 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*
- As per Para 4(i) and 4.2. (ii)(c) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

#### **Note:**

- There is no existing road or authorized structure on the landward side of the proposed project.
- The DEE, Nagapattinam stated that an approach road to the proposed ice plant and diesel outlet is found in the eastern side of the project which is ascertained from the Revenue Records regarding the existence of the same prior to CRZ 1991 Notification.

### **Remarks of Technical Expert Committee (Meeting held on 28.03.2025)**

1. The Project Proponent shall submit valid land ownership documents to establish rightful possession of the project site prior to further appraisal to TNSCZMA.
2. Revenue records evidencing the existence of a road on the landward side of the project site prior to 1991 shall be furnished to demonstrate compliance with the CRZ Notification provisions.
3. Construction activities shall not commence until CRZ Clearance is obtained from the Competent Authority.
4. The Project Proponent shall ensure that the water required for the Ice Plant is sourced from an authorized vendor. Relevant documentation, including supply agreements or NOC, must be submitted to the Authority.

5. A rooftop solar power system shall be installed to partially meet the facility's energy requirements, thereby reducing operational costs and promoting clean energy use.
6. The Project Proponent shall obtain the Consent to Establish from the TNPCB, where applicable, prior to commencing project execution.
7. All necessary statutory clearances (Consent/NOC/Approvals), in addition to CRZ and TNPCB permissions, must be obtained from the respective Competent Authorities before project implementation.
8. Solid waste, if generated, shall be managed strictly in accordance with the Solid Waste Management Rules, 2016 (amended 2020), ensuring segregation, storage, and authorized disposal.
9. Construction and demolition (C&D) waste shall be disposed of as per the provisions of the Construction and Demolition Waste Management Rules, 2018.
10. Under no circumstances shall construction debris or any form of waste be disposed of into the sea or along the coastal stretch.
11. It is recommended that the Project Proponent contribute to the Coastal Ecosystem Restoration (CER) Fund, to be managed by the proposed Marine Resource Foundation (MRF), envisaged by the Government of Tamil Nadu in FY 2025-26, to support marine conservation and sustainable coastal protection.
12. Only approved and robust diesel storage containers and pipelines, designed to ensure leak-proof and secure transfer, shall be used. All storage infrastructure must comply with safety and environmental norms.
13. Personnel involved in diesel handling must undergo training in safe handling procedures and emergency spill response to minimize operational risks and prevent accidental discharges.
14. In consultation with Indian Oil Corporation Ltd. (IOCL), the Project Proponent shall ensure that diesel is dispensed directly through dedicated pipelines. Transportation of diesel by fishermen in cans or containers should be strictly prohibited for safety and environmental reasons.
15. A comprehensive plan for the management and safe disposal of wastewater generated during the operation of the Ice Plant shall be submitted to ensure compliance with relevant environmental standards.
16. The Project Proponent shall prepare and submit a site-specific contingency and emergency response plan to address potential risks, including accidental spills, equipment malfunctions, or other operational failures, to safeguard the environment and ensure rapid mitigation.

With the above observations and recommendations, the Technical Expert Committee recommends the proposal for further consideration by the Authority (TNSCZMA).

**Agenda Item No. 6: Proposed construction of Tamil Nadu Olympic Water Sports Academy (TNOWSA) by Sports Development Authority of Tamil Nadu (SDAT) at S. F. No. S. F. No. 112/1, 112/2, 112/3, 112/4, 123/1, 123/2, Pirappanvalasai village, Ramanathapuram Taluk, Ramanathapuram district (SW/244961/2025)**

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Ramanathapuram District has forwarded a proposal received from the Sports Development Authority of Tamil Nadu (SDAT), Chennai proposed for construction of Tamil Nadu Olympic Water Sports Academy (TNOWSA) at S. F. No. 112/1, 112/2, 112/3, 112/4, 123/1, 123/2, Pirappanvalasai village, Ramanathapuram Taluk, Ramanathapuram district. The EIA report prepared by M/s. Enviro care India Pvt Ltd, Chennai having NABET certificate valid upto 12.05.2025.

**Need of the project:**

The Tamil Nadu Olympic Water Sports Academy (TNOWSA) is an initiative aimed at promoting water sports and providing world-class training facilities for athletes in the state of Tamil Nadu. The establishment of such academy holds great importance in the context of sports development, youth engagement and fostering competitive excellence. The Tamil Nadu Olympic Water Sports Academy (TNOWSA) tends to promote water sports in Tamil Nadu, talent identification and development, filling infrastructure gaps and encouraging healthy lifestyles and inclusivity.

**Description of the project:**

The Project Proponent is planning to construct facilities at S. F. No. 112/1, 112/2, 112/3, 112/4, 123/1, 123/2, Pirappanvalasai village, Ramanathapuram Taluk, Ramanathapuram district is falling under CRZ III (NDZ) area. The proposed project comprises of Admin Block, Sports center, Accommodation Dorms, Dining Hall, Gazebo, Private Rooms, Staff Accommodation & Laundry and Security Cabins. The total plot area for the proposed project is 31269.586 sq.m. It will be having facilities for parking and proper landscaping within the proposed site. The project will also involve internal development of basic infrastructure such as internal

roads, power supply, water supply, sewer and storm water pipe network and waste management system.

#### Location of the project:

The geographical location of the proposed project is given below

| Label | Latitude      | Longitude     |
|-------|---------------|---------------|
| A     | 9°18'32.69" N | 79°2'52.40" E |
| B     | 9°18'31.32" N | 79°2'51.72" E |
| C     | 9°18'19.65" N | 79°3'11.63" E |
| D     | 9°18'20.70" N | 79°3'12.63" E |

#### a) Size of the project (in terms of total area)

Total Site Area : 31269.586 sq.m (as per FMB)

| Description       |              | Area<br>(in sq. m.) | Area<br>(in Acres) | CRZ Category                                                    |
|-------------------|--------------|---------------------|--------------------|-----------------------------------------------------------------|
| Survey<br>Number  | Sub-division |                     |                    |                                                                 |
| 112 pt.           | 112/1        | 1961.986            | 0.485              | The proposed site<br>completely falls<br>under CRZ III<br>(NDZ) |
|                   | 112/2        | 8732.540            | 2.158              |                                                                 |
|                   | 112/3        | 2643.194            | 0.653              |                                                                 |
|                   | 112/4        | 7165.816            | 1.771              |                                                                 |
| 123 pt.           | 123/1        | 231.580             | 0.057              |                                                                 |
|                   | 123/2        | 10534.470           | 2.603              |                                                                 |
| <b>Total Area</b> |              | <b>31269.586</b>    | <b>7.725</b>       |                                                                 |

Total Built-up Area: 4246.10 sq.m

| Block Wise Details                                                   | Floors  | Built-up<br>Area in<br>Sq.m |
|----------------------------------------------------------------------|---------|-----------------------------|
| Admin Block (2 rooms)                                                | 1 (G)   | 298.00                      |
| Sports Center<br>(4 Classroom, Gym, Massage<br>Room, Reception Area) | 2 (G+1) | 2295.00                     |
| Accommodation Dorms<br>(2 Nos. - 40 people)                          | 1 (G)   | 728.00                      |
| Dining Hall (1 no.)                                                  | 1 (G)   | 298.00                      |
| Gazebo (1 no.)                                                       | 1 (G)   | 77.00                       |
| Private Rooms (10 rooms)                                             | 1 (G)   | 291.50                      |
| Staff Accommodation &<br>Laundry                                     | 1 (G)   | 228.60                      |
| Security Cabins (1 No.)                                              | 1 (G)   | 30.00                       |
| <b>Total</b>                                                         |         | <b>4246.10</b>              |

#### Area details for the Proposed Project

| S. No.       | Description           | Area (sq.m)      | Percentage (%) |
|--------------|-----------------------|------------------|----------------|
| 1            | Built-up Area         | 4246.1           | 13.57          |
| 2            | Parking Area          | 324.8            | 1.03           |
| 3            | Greenbelt Area        | 10318.963        | 33.03          |
| 4            | Roads & Pavement Area | 2674.6           | 8.55           |
| 5            | Vacant Area           | 13705.123        | 43.82          |
| <b>Total</b> |                       | <b>31269.586</b> | <b>100.00</b>  |

#### CRZ Classification of the Proposed Project

| S. No.       | Description           | Area (sq.m)      | CRZ Category       |
|--------------|-----------------------|------------------|--------------------|
| 1            | Built-up Area         | 4246.1           | CRZ III (NDZ) Area |
| 2            | Parking Area          | 324.8            |                    |
| 3            | Greenbelt Area        | 10318.963        |                    |
| 4            | Roads & Pavement Area | 2674.6           |                    |
| 5            | Vacant Area           | 13705.123        |                    |
| <b>Total</b> |                       | <b>31269.586</b> |                    |

#### Parking Area Details:

##### Parking details for the Proposed Project

| S. No. | Description  | Provided (Nos.) |
|--------|--------------|-----------------|
| 1      | Bike Parking | 25              |
| 2      | Car Parking  | 12              |

#### Water requirement:

**Construction Phase:** The work force involved will be about 75 Nos. The water requirement during construction phase will be approximately 10 KLD. Water for construction will be from Local Panchayat Water Supply.

**Operation Phase:** The total requirement of water will be 50.05 KLD. Fresh water demand is 45.01 KLD. After treatment of wastewater, treated

water will be reused for greenbelt (35 KLD) and toilet flushing (5.04 KLD). Water requirement for the project will be met from Local Panchayat Water Supply.

**Water source:**

The requirement of freshwater for the project depends from Local Panchayat Water Supply.

**Water Consumption & Waste water details:**

|                                              |                                                                                                                                                                                                           |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water consumption                            | Total Residing Occupants - 27 KLD<br>Working staff - 3.15 KLD<br>Visitors - 8.70 KLD<br>Kitchen - 11.20 KLD<br>Total Water Requirement- 50.05 KLD                                                         |
| Quantity of Sewage                           | 40.04 KLD                                                                                                                                                                                                 |
| STP capacity                                 | 45 KLD                                                                                                                                                                                                    |
| Collection of Sewage                         | Sewage generated during the operation phase will be collected through underground sewerage system (pipe drain) for treatment in STP. Separate storm water drainage system will be provided for rainwater. |
| Treatment of Sewage                          | Sewage will be treated up to the tertiary level in a Sewage Treatment Plant based on Activated sludge process. The secondary treated sewage will be treated in UF plant.                                  |
| Reuse/recycle and disposal of treated sewage | Out of 40.04 KLD of treated sewage, 5.04 KLD recycled for toilet flushing and the remaining (35 KLD) shall be used for gardening.                                                                         |

**Power requirement:**

The power requirement during the construction as well operational phase will be 500 KVA which will be acquired from Tamil Nadu Electricity Board, Solar and DG set of about 2 nos of 250 KVA will be utilized during power failure.

**Solid Waste Management:**

| S. No | Description     | Proposed kg/day | Method of collection | Mode of disposal                     |
|-------|-----------------|-----------------|----------------------|--------------------------------------|
| 1     | Organic waste   | 102             | Separate bin         | Organo-converter                     |
| 2     | Inorganic waste | 68              | Separate bin         | Authorized Vendors                   |
| 3     | Sludge from STP | 12              | Trolley              | Manure for Landscaping and Gardening |

### **Fire Fighting System:**

All buildings are constructed with fire resistant material to a large extent. Electrical panels have been provided in each building so that fire occurring at any point of time does not spread and will get localized.

- Fire Retardant Low Smoke (FRLS) wires and PVC conduits are used to prevent spreading of fire
- Emergency staircase, Refuge area and Assembly area will be provided
- Underground water storage tank
- Wet riser
- Fire pump, hydrant pump & jockey pump
- Hydrant
- Fire alarm system
- Public address system

### **Green Belt Development:**

It is proposed to have tree plantation along the periphery of the site and also to develop lawn and greenery inside the project area for 10318.963 sq.m (33.03% of total area). The vegetation for the greenbelt will be selected from the native species adapted to the local environment.

### **CRZ Classification and Project cost:**

The project site falls in CRZ-III NDZ area and the total cost of the project is Rs.42.90 crores.

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

The proposal was placed before the DCZMA, Ramanathapuram district on 15.04.2025 and the DCZMA recommended the project to the SCZMA subject to the following conditions:

1. The project proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority.
2. The construction debris and other type of waste shall not be disposed of into the CRZ areas.
3. 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.
4. The Project Proponent shall obtain Wild Life clearance before the implementation of the project if any necessary.
5. The Project Proponent shall obtain necessary SOP for Tamil Nadu Maritime Board.
6. The Project Proponent shall plant Native species of plantations in consultation with District Forest Officer.
7. The Project Proponent shall not dispose any untreated Sewage into the sea.
8. The Project Proponent shall under take green belt development all along the periphery of the project area and also along the road side.
9. 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.
10. The Project Proponent shall comply with the provisions under Construction and Demolition Waste Management Rules, 2016.
11. The Project Proponent shall provide rain water harvesting arrangements within the premises.

**Provisions in CRZ Notification, 2011:**

- As per CRZ Notification, 2011 vide para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the local inhabitants may be permitted on a case to case basis by CZMA.
- As per CRZ Notification, 2011, vide Para 4 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.

- As per Para 4(i) and 4.2. (ii)(c) of the said Notification, the proposal may be recommended to SEIAA, for issuing Clearance.

#### **Remarks of the Technical Expert Committee (Meeting held on 23.04.2025)**

The Project Proponent explained that the proposed establishment of the **Tamil Nadu Olympic Water Sports Academy (TNOWSA)** aims to provide specialized water sports education and training for Olympic aspirants, with a particular focus on empowering the local fishing communities and economically disadvantaged groups. The Proponent stated that the project is designed to nurture talent and enhance sporting opportunities at the grassroots level, promoting inclusive participation in water sports disciplines.

It was further informed that the site has been specifically identified and selected due to the calm and stable water conditions prevailing in the area, which are considered ideal for non-motorized water sports training. The site offers water accessibility for approximately seven months in a year, facilitating uninterrupted training sessions. The facility is proposed to include essential infrastructure such as an administrative block, sports center, dining hall, gazebo, classrooms, and an open dormitory. Classroom-based coaching will be conducted within the facility, while practical on-water training sessions will be carried out offshore. The academy is designed to accommodate classroom training for up to 40 individuals at a time, with non-motorized boat training provisions for a maximum of 15 boats operating simultaneously.

1. The Project Proponent (PP) shall submit a detailed justification for the selection of the proposed site, highlighting the ecological suitability, social relevance, and direct benefits to the local fishing communities. The report should also explain whether alternative locations outside the CRZ-NDZ were explored and clearly state the reasons for selecting this site within the CRZ area.
2. The construction of permanent structures, including residential facilities such as hostels and dormitories, within the CRZ-III No Development Zone (NDZ) is not permitted under the CRZ Notification, 2011. The TEC recommends that the project design be revised accordingly, restricting activities within the CRZ area to temporary, non-concrete, and prefabricated structures meant solely for essential sports training functions.
3. The Project Proponent shall ensure that only non-motorized boats, including sailing boats, kayaks and rowboats, are used for water sports training. Motorized boats and mechanized vessels should not be allowed as part of this project. The PP must also ensure that these activities do not disturb the coastal ecosystem, including sea grass meadows, coral reefs, intertidal habitats, and other ecologically sensitive areas.

4. A comprehensive assessment of the coastal dynamics at the project site should be conducted, including historical data on cyclones, storm surges, sea inundation and shoreline changes for at least the last ten years. This assessment should be based on scientific studies from reputed coastal research institutions and must be submitted to the Authority along with the revised proposal.
5. The project design shall incorporate disaster-resilient features to ensure the safety of infrastructure and trainees. All structures should be planned to withstand extreme weather events, including cyclones, tidal surges, and saline conditions, with appropriate use of salt-resistant materials and elevated designs wherever necessary.
6. The Project Proponent must prepare and submit a comprehensive Safety and Emergency Response Plan (ERP), which should include provisions for life-saving equipment, trained lifeguards, first aid and medical facilities, emergency evacuation procedures, and coordination mechanisms with the local disaster management authority.
7. A greenbelt buffer shall be developed around the project site in consultation with the District Forest Officer (DFO) and the Green Tamil Nadu Mission. Only native, salt-tolerant tree, shrub, and herb species recommended by the concerned authorities shall be used. A detailed planting plan, including species list and layout, must be submitted to the Authority before implementation.
8. Groundwater extraction from within the CRZ area is strictly prohibited under the CRZ Notification, 2011. The Project Proponent must ensure that all freshwater requirements for the project are met through alternative means such as supply from local bodies or authorized sources outside the CRZ area. Relevant approvals and supply agreements must be submitted to the Authority.
9. The Project Proponent must ensure that no sewage, greywater, or effluent is discharged into the sea, backwaters, or any adjacent water bodies. All wastewater generated from the facility should be treated to the prescribed standards and fully reused within the premises, for purposes such as landscape irrigation and sanitation.
10. The Project Proponent shall submit a solid waste management plan, detailing the segregation, collection, treatment, and disposal mechanisms for biodegradable and non-biodegradable waste. Eco-friendly sanitation systems, such as bio-digesters, should be adopted to ensure compliance with waste management rules.
11. The Project Proponent shall provide details of any hazardous or chemical waste that may be generated during the operational phase, including handling, storage, and disposal methods, along with safety measures to avoid contamination of land or water.

12. Considering the scale of operations and energy demand, the Project Proponent should ensure that at least 50% of the total energy requirement for the facility is met through renewable sources, particularly solar energy. Energy-efficient systems and designs should be incorporated throughout the project.
13. The TEC recommends that the Project Proponent establish a robust monitoring and evaluation system, including periodic shoreline monitoring, biodiversity assessments, and compliance audits. The Project Proponent must submit bi-annual compliance reports to the Authority to ensure adherence to CRZ conditions and environmental safeguards.
14. The project shall ensure full engagement of local communities in beach management, and training opportunities. Priority should be given to local employment, particularly in roles such as trainers, safety personnel, maintenance staff, and eco-guides, in line with the project's stated objective of benefiting the local population.

With the above observations and recommendations, the TEC recommends the proposal for further consideration by the Authority, subject to the fulfillment of all conditions specified and strict compliance with the CRZ Notification, 2011, as well as other applicable environmental regulations.

**Agenda Item No.7 : Proposed construction of Neithal Heritage Park at Survey No. 2195 pt, 2198 pt, Nagore, Nagapattinam District by the Deputy Director, Department of Horticulture and Plantation Crops, Nagore, Nagapattinam District (SW/243472/2025)**

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam has forwarded a proposal received from the Deputy Director, Department of Horticulture and Plantation Crops Nagore, Nagapattinam District for the proposed construction of Neithal Heritage Park at Survey No. 2195 pt, 2198 pt, Nagore, Nagapattinam District. The EIA report prepared by M/s. Hubert Enviro Care Systems (P) Limited, Chennai having NABET certificate valid upto 31.03.2027.

**Need of the project:**

The main objective of this project is on creating additional tourist attraction for Nagapattinam District which is one of its unique developments of 'Playing-Learn-Earn concept'. Also, since no such parks available in the entire district; this will enhance the district's tourism further and additional revenue to the government.

Nagapattinam is a unique district with all its historical and cultural significance as it houses the places of worship belongs to major faiths. So, there is a great possibility to showcase the nature and wealth of NEITHAL land culture historical perspectives at a juncture and recreation among the residing and touring people.

Nagore is a one of District's major heritage tourist Centre, scope for this proposed PARK near the shore will attract all kinds of people to learn the NEITHAL culture-historical perspectives and recess with the new innovative fun facilities.

**Location of the project:**

The geo graphical coordinates of the site is given below

| Label | Latitude         | Longitude      |
|-------|------------------|----------------|
| A     | 10° 48' 51.36" N | 79°50'50.05" E |
| B     | 10° 48' 49.31" N | 79°50'53.22" E |
| C     | 10° 48' 48.26" N | 79°50'52.68" E |
| D     | 10° 48' 48.15" N | 79°50'53.02" E |
| E     | 10° 48' 47.31" N | 79°50'52.95" E |
| F     | 10° 48' 47.33" N | 79°50'54.15" E |
| G     | 10° 48' 41.21" N | 79°50'55.73" E |
| H     | 10° 48'40. 64" N | 79°50'51.59" E |

**Brief Description of the project:**

The proposed NNGP project comprising sensory components like parking, information Kiosk, Moon reflection pond, lotus pond, cafe restaurant, sensory park development game zone, open air theatre, exhibition pavilion, gazebos and aquarium etc., So the visitors can explore about the Neithal heritage, diversity of herbal plants and rejuvenate in satisfaction manner.

**A. Land:** Total area of the project is 3.0354 Ha (30,354 Sq.m)

**B. Built up Area breakup of the project:**

The built-up area is 3028.57 Sq.m. The CRZ classification of the proposed component completely falls under CRZ -II as per CRZ Notification, 2011.

| S. No | Component                                     | Area in Sq.m | Type of building | CRZ Classification | Built-up area |
|-------|-----------------------------------------------|--------------|------------------|--------------------|---------------|
| 1     | Land preparation, levelling and compound wall | 600          | RCC Piles        | CRZ II             | -             |
| 2     | Car parking                                   | 750.00       | Paver block      |                    | -             |
| 3     | Two wheeler parking                           | 820.80       | Paver block      |                    | -             |
| 4     | Information kiosk                             | 16.00        | Container block  |                    | 16            |
| 5     | Moon reflection pond                          | 315.00       | Brick wall       |                    | -             |
| 6     | Lotus pond                                    | 148.00       | Brick wall       |                    | -             |
| 7     | Angling pond                                  | 600.00       | Nature pond      |                    | -             |
| 8     | Cafe                                          | 149.04       | PEB Structure    |                    | 149.04        |
| 9     | Sensory development Park                      | 160.77       | Planter box      |                    | 160.77        |
| 10    | Game zone-1                                   | 836.89       | Custom made      |                    | -             |
| 11    | Game zone-2                                   | 937.85       | Custom made      |                    | -             |
| 12    | Game zone-3                                   | 528.09       | Custom made      |                    | -             |
| 13    | Game zone-4                                   | 250.42       | Custom made      |                    | -             |
| 14    | Game zone-5                                   | 615.67       | Custom made      |                    | -             |
| 15    | Game zone-6                                   | 1284.52      | Custom made      |                    | -             |
| 16    | Game zone-7                                   | 915.97       | Custom made      |                    | -             |
| 17    | Open air theatre                              | 342.62       | Dry Pitching     |                    | -             |
| 18    | Exhibition pavilion                           | 750.00       | PEB Structure    |                    | 750.00        |

|                        |                          |                 |                                                 |                |
|------------------------|--------------------------|-----------------|-------------------------------------------------|----------------|
| 19                     | Place marking            | 2926.08         | Paver block and seating                         | -              |
| 20                     | Workshop area 1          | 217.00          | PEB Structure                                   | 217.00         |
| 21                     | Workshop area 2          | 60.00           | PEB Structure                                   | 60.00          |
| 22                     | Back water drain channel | 3890.92         | Dry Pitching                                    | -              |
| 23                     | Utilities                | 1390.76         | -                                               | 1390.76        |
| 24                     | Pathways                 | 3388.76         | Paver block                                     | -              |
| 25                     | Green and open source    | 1957.69         | Trees and plants                                | -              |
| 26                     | Gazebos                  | 5.00            | -                                               | 5.00           |
| 27                     | Sculptures               | 10.00           | -                                               | 10.00          |
| 28                     | Aquarium                 | 120.00          | -                                               | 120.00         |
| 29                     | Toilet block             | 150.00          | -                                               | 150.00         |
| 30                     | vacant land              | 6817.00         | -                                               | -              |
| <b>Total land area</b> |                          | <b>30354.85</b> | <b>Built-up area excluding land preparation</b> | <b>3028.57</b> |

#### **Water requirement:**

**Construction Phase:** During the construction phase, water requirement for the proposed project will be 2 KLD met from private tankers.

**Operation Phase:** A total water requirement for the project is 10 KLD including for Gardening & Horticultural activities, domestic use, toilet and will be supplied through municipal water supply.

#### **Power requirement and source:**

| Description             | Operation Phase (kW) | Source   |
|-------------------------|----------------------|----------|
| Power                   | 10                   | TANGEDCO |
| Emergency backup-DG set | 10 kVA               | -        |

#### **Municipal Solid Waste Management:**

The generation of municipal solid waste and its management is given in Construction Phase:

| S. No | Waste type      | Construction Phase(kg/day) | Operation Phase (kg/day) | Disposal method                              |
|-------|-----------------|----------------------------|--------------------------|----------------------------------------------|
| 1     | Organic Waste   | 2.7                        | 141.75                   | Will be disposed in local municipal bins     |
| 2     | Inorganic waste | 1.8                        | 94.5                     | Will be disposed through Authorised Recycler |

#### **Sewage generation:**

Domestic sewage will be generated and it will be sent to the proposed Septic tank and it will be disposed by Tanker lorry through Nagapattinam Municipality.

#### **Green Belt Development:**

Total area of the project is 3.0354 Ha (30,354 Sq.m) in that 1957.69 sq.m area will be proposed as greenbelt.

#### **CRZ Classification and Project cost:**

The project site falls in CRZ-II area and the total cost of the project is Rs. 6.0225 crores.

#### **Recommendation of DCZMA of Nagapattinam district:**

The proposal was placed before the DCZMA, Nagapattinam district on 30.11.2023 and the DCZMA recommended the project to the SCZMA subject to the following conditions:

1. The unit shall dispose the solid wastes to be generated if any as per the Solid Waste Management Rules, 2016.
2. The construction debris and other type of waste shall not be disposed of into the CRZ areas.
3. The project proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority.
4. The project proponent shall arrange treated water for domestic purpose and Refreshment point and food court in Neithal Park.
5. The project proponent shall plant Rhizospora, Lpomoe spes capre and Beach Morning Glory Plant.
6. Neithal Park shall contain all components related to Neithal land.
7. The project proponent shall develop Corporate Social Responsibility plan to develop Health camp for visitors.

The Project Proponent has submitted the replies to the above conditions vide letter dated 24.04.2025.

### **Provisions in the 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, GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015
- As Para 8 II CRZ-II (ii)" buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the 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".
- Para 8(i) II CRZ-II, (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.
- As per Para 4(i) and 4.2 (ii)(c) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

#### **Note:**

- The DEE, Nagapattinam has clarified that, during the time of inspection, it was found that Silladi Tharga is situated at 100m from the Sea shore line which was constructed before 1991 and the proposed Neithal park project is to be located at 100ft from Silladi Tharga in landward direction vide letter dated: 15.07.2024.

### **Remarks of Technical Expert Committee (Meeting held on 30.04.2025)**

The Project Proponent (PP) presented a proposal for the development of the *Neithal Heritage Park*, conceptualized as a unique initiative based on the "Play-Learn-Earn" model. The proposed park aims to foster awareness and appreciation of the traditional *Neithal* (coastal) cultural landscape, while simultaneously promoting eco-tourism and generating sustainable livelihood opportunities for the local community. Located within the CRZ-II zone, the site is intended to serve as an educational, recreational, and revenue-generating space that aligns with coastal conservation principles. Upon detailed review, the Technical Expert Committee (TEC) made the following remarks/observations:

1. The Project Proponent shall submit detailed information on the source of freshwater required during the construction and operational phases. Water must be sourced sustainably, without affecting local groundwater or coastal aquifers.
2. A comprehensive Wastewater Reuse Plan must be incorporated. Treated wastewater should be fully reused for landscape irrigation and toilet flushing. Under no circumstances should treated or untreated effluent be discharged into the sea or any adjoining water bodies.

3. Groundwater extraction within the CRZ area is strictly prohibited. The Project Proponent must ensure full compliance with CRZ Notification, 2011.
4. The entire park area shall be maintained as a Plastic-Free Zone. Necessary signage and enforcement mechanisms must be in place to ensure compliance.
5. A Plastic Waste Management Plan shall be integrated into the Environmental Management Plan (EMP), including mechanisms for collection, segregation, and safe disposal through authorized agencies.
6. The Project Proponent shall provide detailed architectural and functional plans elaborating how the *Play-Learn-Earn* model will be implemented, including the nature of educational, recreational, and income-generating activities.
7. A solar photovoltaic system must be installed to meet a portion of the park's energy requirements, thereby promoting renewable energy use and reducing the carbon footprint.
8. A Disaster Management and Flood Mitigation Plan must be developed to safeguard infrastructure and visitor safety in the event of cyclones, storm surges, or heavy rainfall.
9. Existing natural drainage paths, watercourses, and tidal inlets in and around the site shall not be altered or obstructed during any phase of the project.
10. The children's play area should be surfaced using natural beach sand or other non-toxic, eco-friendly materials to ensure child safety and environmental harmony.
11. Drinking water points and food kiosks shall be appropriately located throughout the park to meet the needs of visitors and reduce crowding.
12. All proposed ponds within the park must be safely fenced and maintained with appropriate signage to prevent accidental access, particularly by children.
13. The Project Proponent shall incorporate innovative and interpretive horticultural elements (e.g., coastal flora exhibits, sensory gardens) that reflect the native biodiversity and cultural values of the *Neithal* ecosystem. These details must be submitted to the Authority.
14. A Park Maintenance and Monitoring Committee must be constituted prior to the operational phase. This committee shall oversee the park's upkeep, adherence to environmental standards, and ongoing public engagement.

With the above remarks, the TEC recommends the proposal for consideration by the TNSCZMA, subject to adherence to CRZ Notification, 2011 and environmentally sustainable design practices.

**Agenda Item No.8: Clearance under the CRZ Notification, 2011 issued for the foreshore facilities viz., Cooling Water Intake, Blow Down Discharge Pipeline and Coal Pipe Conveyance System (conveyance Corridor) for the project to Ennore SEZ Thermal Power Project (2x660 MW) situated at Voyalur Village, Ponneri Taluk, Tiruvallur district by TANGEDCO - Extension of the validity of EC & CRZ Clearance.**

The Tamil Nadu Power Generation Corporation Limited (TNPGL), informed that TNPGL, (Erstwhile TANGEDCO) has obtained Environmental Clearance (EC) for establishing a coal based super critical thermal power plant of capacity 2X800 MW from the MoEF & CC, Govt. of India vide letter dated 07.01.2014 for five years.

2) Subsequently, the TANGEDCO has also obtained Clearance under the CRZ Notification, 2011 from the MoEF & CC, Govt. of India, for the proposed facility (coal conveyor and cooling / coolant water pipelines) of the proposed project vide letter dated 01.01.2014.

3) The Project Proponent has stated that, in order to maintain uniformity in unit size and facilitate spare parts management, TANGEDCO adopted a unit capacity of 2x660 MW instead of the originally proposed 2x800 MW for the captioned power project. Accordingly, an amendment to the Environmental Clearance (EC) for the change from 2x800 MW to 2x660 MW was obtained from the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India, vide letter dated 14.08.2018. Further, an extension of the validity of the Environmental and Coastal Regulation Zone (CRZ) Clearances was granted until 06.01.2021, as per MoEF&CC letter dated 04.02.2019. Subsequently, extended up to 31.12.2023 as per the MoEF&CC extension letter dated 09.04.2021 and further by one-year Covid extension up to 31.12.2024.

4) The Project Proponent informed that, due to site conditions and technical requirements for the pipe conveyor and cooling water line, changes were made in the approved corridor alignment. The Hon'ble National Green Tribunal, Southern Zone (NGT-SZ), based on reports, took suo-moto cognizance of the matter and, in its order dated 31.01.2022, directed that work on the Coal Conveyor and Cooling Water Lines should proceed only after obtaining an amendment for the revised alignment.

5) In compliance with the NGT's directive, the Project Proponent has halted the related works and the Project Proponent also sought an amendment to the CRZ Clearance, supported by recommendation from P1/2170/2020-DOECC I/229271/2025 TNSCZMA dated 09.08.2023. However, the MoEF & CC did not consider the request for a change in alignment.

6) As a result, the Project Proponent decided to revert to the originally approved alignment and is now seeking an extension of the CRZ Clearance based on the original alignment within the CRZ area. It was further stated that approximately 70% of the project work has been completed, there is no change at all in the alignment within CRZ area, the project is very advanced stage of implementation and requested extension of existing CRZ clearance for one year till 31.12.2025.

7) Further, TNPGL on 20.11.2024, submitted a request through the PARIVESH portal to the MoEF&CC for an extension of the existing Environmental Clearance (EC) and CRZ Clearance, in line with the provisions of MoEF&CC's O.M. dated 13.12.2022. The matter was discussed during the 18th meeting of the EAC on 24.01.2025, where it was noted that the Proponent had not submitted the necessary recommendations from the CZMA for extending the validity of the CRZ Clearance dated 01.01.2024, as required under the CRZ Notification, 2011.

8) The Project Proponent requested the Committee to consider the proposal favorably, stating that the project is at a very advanced stage of implementation and that any further delay would impose an additional burden on the exchequer.

**Recommendation of DCZMA of Tiruvallur district:**

The DCZMA meeting of Tiruvallur district held on 04.04.2025 and the committee recommended the project to SCZMA subject to the following conditions

1. The alignment of the Pipe Coal Conveyance System, Cooling Water Intake Pipeline and Blow Down Discharge Pipeline in CRZ Area, shall be strictly the same as the alignment approved in CRZ Clearance dated: 01.01.2014.
2. All the recommendations of the Environmental Management Plan shall be followed.

3. The mangroves in the Buffer Zone shall not be affected due to the proposed activity.
4. The project proponents, in consultation with Forest Department, formulate plans for the conservation, maintenance and development of mangroves in the area.

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

The Project attracts the provisions of CRZ Notification 2011., as the pipelines and the conveyor systems are falling in CRZ-I, II and III and all those activities indicated above are permissible activities in all the above three zonations of CRZ.

However, the above activities require the clearance from the Ministry of Environment and Forests, GoI vide para 4 (ii) (f) of CRZ Notification 2011. However, as per the provisions of paragraph 4(ii)(f) of the CRZ Notification, 2011, such activities require prior clearance from the MoEF&CC, GoI.

#### **Remarks of Technical Expert Committee (Meeting held on 30.04.2025)**

The Project Proponent briefed that EC and CRZ clearance were earlier granted for the Ennore SEZ Thermal Power Project (2x660 MW) for associated foreshore facilities, including the pipe coal conveyor, cooling water intake, and outfall pipelines. The validity of the CRZ clearance expired on 31.12.2024. The Project Proponent stated that, due to delays in civil and marine works, activities within the CRZ area are yet to be completed and a formal application has been submitted for extension of validity for an additional one-year period up to 30.12.2025.

1. Considering the clearance was originally issued more than 10 years ago, the TEC recommends that the Project Proponent conduct a fresh Rapid Environmental Impact Assessment (EIA), limited to the foreshore components, to reassess current ecological sensitivities, shoreline dynamics, and cumulative impacts.
2. The TEC advised the Project Proponent to expedite the completion of the remaining works within the extended validity period, and avoid any further delays that may result in project stagnation or regulatory non-compliance.
3. The Project Proponent shall strictly adhere to the original design and alignment of pipelines and other foreshore facilities as approved under the earlier CRZ clearance. Any deviation shall require prior approval of TNSCZMA and MoEF&CC.
4. The TEC noted that the National Green Tribunal (NGT) had earlier issued specific directions regarding the alignment and implementation of the pipeline

infrastructure. The Project Proponent is mandated to comply fully with all NGT directives and submit a compliance report to the Authority.

5. The TEC recommended that the Corporate Environmental Responsibility (CER) funds earmarked for this project be directed to the Manali Ennore Restoration and Rejuvenation Company (MEERC) for activities such as mangrove restoration, pollution mitigation, wetland conservation, and community-based biodiversity enhancement.
6. The Project Proponent shall submit a comprehensive chronology of project milestones, regulatory approvals, and physical progress, including justifications for the delay, to the Authority for record and review.

With the above observations and subject to compliance with the conditions mentioned, the TEC recommends the proposal for extension of CRZ clearance validity for consideration by the TNSCZMA.

**Agenda Item No.9: Clearance under the CRZ Notification, 2011 issued for the Ennore SEZ TPP - 2 x 660 MW supercritical Thermal Power Project - Name Transfer of EC & CRZ to M/s Tamil Nadu Power Generation Corporation Limited (TNPGL).**

The Tamil Nadu Power Generation Corporation Limited (TNPGL), informed that TNPGL, (Erstwhile TANGEDCO) has obtained Environmental Clearance (EC) for establishing a coal based super critical thermal power plant of capacity 2X800 MW from the MoEF & CC, Govt. of India vide letter dated 07.01.2014 for five years.

2) Subsequently, the TANGEDCO has also obtained Clearance under the CRZ Notification, 2011 from the MoEF & CC, Govt. of India, for the proposed facility (coal conveyor and cooling / coolant water pipelines) of the proposed project vide letter dated 01.01.2014.

3) The Project Proponent has stated that, in order to maintain uniformity in unit size and facilitate spare parts management, TANGEDCO adopted a unit capacity of 2x660 MW instead of the originally proposed 2x800 MW for the captioned power project. Accordingly, an amendment to the Environmental Clearance (EC) for the change from 2x800 MW to 2x660 MW was obtained from the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India, vide letter dated 14.08.2018. Further, an extension of the validity of the Environmental and Coastal Regulation Zone (CRZ) Clearances was granted until 06.01.2021, as per MoEF&CC letter dated 04.02.2019. Subsequently, extended up to 31.12.2023 as per the MoEF&CC extension letter dated 09.04.2021 and further by one-year Covid extension up to 31.12.2024.

4) M/s. TNPGL has stated that a request for further one-year extension (till 31.12.2025) was submitted to MoEF&CC and discussed in the EAC (Thermal) meeting on 24.01.2025. The MoEF&CC raised an ADS (Additional Details Sought for) on 03.02.2025 seeking SCZMA recommendations to transfer the EC and CRZ clearance in the name of M/s. TNPGL, as per their letter dated: 04.02.2025.

5) The Project Proponent further stated that as per TN G.OMs.No.32 Notification 90 GOTN Trans Scheme Dt.6.3.24, as all the thermal stations of Erstwhile TANGEDCO are now part of the newly formed TNPGL, it is informed that, as per OM

dt.03.11.2023, it is mandatory to transfer the EC&CRZ clearance in the transferee's name within 12 months from the date of bifurcation & to obtain recommendations of CZMA to transfer the CRZ clearance in the transferee's name.

6) Further, the Project Proponent has submitted the proposal for EC transfer in the PARIVESH portal on 05.04.2025. However, an EDS was raised stating that "The file seeking EC transfer pertains to CRZ clearance and the proponent are requested to approach the CRZ section with the necessary supporting documents, including SCZMA recommendations, as per CRZ Notification, 2019" as per their letter dated: 24.04.2025. (However, the CRZ Notification, 2011 is presently followed by the State of Tamil Nadu).

7) Therefore, the proponent has requested that the proposal may be accepted offline and recommended to MoEF&CC for the transfer of EC & CRZ clearance for the captioned power project from TANGEDCO (Transferor) to TNPGL (Transferee).

**Remarks of Technical Expert Committee (Meeting held on 30.04.2025)**

The Project Proponent informed that, as per G.O. Ms. No. 32, dated 06.03.2024, the thermal generation assets of TANGEDCO have been bifurcated and transferred to M/s Tamil Nadu Power Generation Corporation Limited (TNPGL) for improved administrative efficiency and operational performance. Consequently, all thermal projects, including the Ennore SEZ TPP (2 x 660 MW supercritical units), are now under the purview of TNPGL.

In accordance with the regulatory provisions, the PP has submitted an online application for the name transfer of both the Environmental Clearance (EC) and CRZ clearance issued earlier under CRZ Notification, 2011. The MoEF&CC raised an Essential Details Sought (EDS) request seeking recommendations from the State Coastal Zone Management Authority (SCZMA) to process the name change.

1. The TEC reviewed the submitted documentation and noted that the proposed name transfer is administrative in nature, with no change in project scope, location, or technical parameters previously approved under the CRZ Notification, 2011.
2. The TEC emphasized that all originally stipulated CRZ conditions and safeguards shall continue to remain in force post-transfer and must be adhered to by TNPGL.

3. The TEC noted that such transfers must be consistent with Government Order G.O. Ms. No. 32 and the Tamil Nadu Government's Notification No. 90 (GOTN Trans Scheme) dated 06.03.2024.
4. The TEC further advised that any future modifications to the project or operational plans must be submitted for prior approval of the TNSCZMA and MoEF&CC, as applicable under the CRZ Notification.

In light of the above remarks and subject to continued compliance with the original EC and CRZ clearance conditions, the TEC recommends the name transfer proposal for consideration by the TNSCZMA.

**Agenda Item No.10 Infrastructure development of Blue Flag Beaches in Marina Beach, Chennai, Silver Beach, Cuddalore, Kameshwaram Beach, Nagapattinam and Ariyamaan Beach, Ramanathapuram districts**

**Project Proponent** : Tamil Nadu Coastal Restoration Mission

The Blue Flag Certification for beaches and marines that comply with 33 Blue Flag Criteria under major heads-standards for quality, environmental education and information, the provision of safety and services and general environmental management is awarded by Foundation for Environmental Education (FEE), an International, non-governmental, non-profit Organisation. Blue Flag accreditation is a highly respected and recognized eco-label.

The Environment, Climate Change and Forest Department has issued sanction order for implementation of Blue Flag Beaches in Tamil Nadu under the Tamil Nadu Sustainably Harnessing Ocean Resources and Blue Economy (TN-SHORE) project which is part of the Tamil Nadu Coastal Restoration Mission supported by the World Bank, through G.O. Ms. No.11, Environment, Climate Change & Forest (EC.4) Department, dated 10.01.2024.

Subsequently, the Government, Environment, Climate Change & Forest Department has issued orders for administrative and financial sanction for annual action plan for the year 2024-2025 w.r.to the TNSHORE projects, vide G.O. (Ms) No. 160, Environment, Climate Change & Forest Department dated 19.09.2024.

*As per the para 4 in the above G.O., the Blue flag beach activities would be implemented by Department of Environment & Climate Change, through the implementing agencies like, District Rural Development Agency, Municipal Administrative Department and Greater Chennai Corporation.*

The Government has also allotted the funds for establishing blue flag beaches at Blue Flag Beaches in Marina Beach, Chennai, Silver Beach, Cuddalore, Kameshwaram Beach, Nagapattinam and Ariyamaan Beach, Ramanathapuram in the said Government Orders.

The name and the project cost of the above said beaches are given below.

| Sl. No | Name of the Beaches             | Cost of the Project (in crores) |
|--------|---------------------------------|---------------------------------|
| 1      | Marina Beach, Chennai           | 6.00                            |
| 2      | Silver Beach, Cuddalore         | 4.00                            |
| 3      | Kameshwaram Beach, Nagapattinam | 4.00                            |
| 4      | Ariyamaan Beach, Ramanathapuram | 4.00                            |

The proposed activities in the Blue Flag Beaches will includes SS Cladded Container based Gents Block, SS Cladded Container based Ladies Block, Changing Rooms, Grey Water Treatment Plant, Disabled friendly toilet block, Off-grid solar power plant 40KW, Purified drinking water vending kiosk, CCTV Cameras. Information Display and beach map display hoarding board, Access Pathway made of WPC in sq.mtrs, Site office, First Aid Station room, Seating bench and Chairs made of wood/bamboo, Watch Tower etc.,

The MoEF & CC, Govt. of India in S.O. No. 125 (E), dated 09.01.2020 has issued notification to protect and conserve the environment and control and bate pollution in coastal beaches and sea water, and decided to identify beaches for the purpose of internationally recognized "Blue Flag" Certification. The certification Standards call for responsible and sustainable amenities and infrastructure development, cleanliness, safety and security services etc., and permitted some activities and facilitates in CRZ area subject to maintaining a minimum distance of 10 metres from HTL.

**The activities and facilities mentioned in the said S.O. was exempted from prior Clearance under the provisions of CRZ Notification.**

#### **Remarks of Technical Expert Committee (Meeting held on 28.03.2025 & 11.04.2025)**

The National Centre for Sustainable Coastal Management (NCSCM), Chennai, has been entrusted with the preparation of DPRs for the development of Blue Flag Beaches in Tamil Nadu for the year 2024-25. NCSCM presented detailed site assessments supported by satellite imagery, topographic surveys, and baseline ecological evaluations. These assessments have identified site-specific opportunities and environmental sensitivities. The proposed interventions aim to align with the Blue Flag Certification criteria set by the Foundation for Environmental Education (FEE), the MoEF&CC guidelines, and the Coastal Regulation Zone (CRZ) Notification provisions.

1. **Site-Specific Planning:** Infrastructure design should be based on site-specific topographic, ecological, and coastal vulnerability assessments. Micro-level planning is critical to minimizing ecological disruption and ensuring sustainable visitor management.
2. **Siting and Zonation:** All interventions must be confined to permissible CRZ-II and CRZ-III areas only. A mandatory buffer of 10 meters from the High Tide Line (HTL) shall be maintained for all permanent and semi-permanent structures in accordance with the CRZ Notification.
3. **Eco-Friendly Infrastructure:** The use of prefabricated, modular, and non-concrete structures—such as bamboo-clad toilet blocks, container-based changing rooms, and thatched-roof shelters—is recommended to reduce construction footprint and enhance environmental compatibility.
4. **Pathways and Universal Accessibility:** Walkways should use eco-sensitive materials (e.g., wooden planks, interlocking tiles) that maintain beach morphology. Universal design features such as ramps, tactile surfaces, and accessible signage may be incorporated.
5. **Biodiversity Conservation:** Sand dunes, turtle nesting sites and other ecologically sensitive areas must be preserved. Buffer zones with bio-fencing and low-intensity lighting should be established. Construction and operation activities must avoid disturbance to these areas.
6. **Lighting Design:** Lighting should comply with turtle-friendly guidelines. Solar-powered, low-height, shielded LED bollards that prevent glare toward the sea must be used to minimize ecological disturbance.
7. **Solid Waste Management:** Each beach should have dual-compartment stainless steel bins, composting units for organic waste, and a waste management enclosure with linkages to TNPCB-authorized recyclers.
8. **Water and Sanitation Facilities:** Toilet blocks with bio-digester systems and containerized changing rooms with water-saving shower panels are recommended. Treated greywater should be reused for landscaping. Drinking water kiosks with purified dispensing systems should be installed.
9. **Energy Efficiency:** Rooftop or standalone solar photovoltaic systems should be provided to meet power requirements. Backup systems should use battery storage solutions in lieu of diesel generators.
10. **Visitor Amenities:** Provision for thatch-based sit-out umbrellas, recliner chairs, shaded benches, drinking water stations, and informative signage boards must be included, ensuring both utility and aesthetic appeal.
11. **Disaster Resilience and Safety:** Infrastructure must be disaster-resilient, incorporating flood control measures, emergency evacuation plans, and placement of life-saving equipment. Early warning systems and signage should be part of the design.

12. **Traffic and Parking Management:** No permanent vehicular roads should be constructed within active beach zones. Parking should be arranged outside CRZ-I areas and electric shuttle services connecting visitors to the beach amenities may be provided.
13. **Community Participation and Capacity Building:** Local communities may be engaged in beach maintenance, lifeguard services, and eco-tourism operations. Capacity building and training modules aligned with Blue Flag standards should be initiated.
14. **Beach Management Committee:** A Beach Management Committee should be constituted for each beach, comprising representatives from local government, NCSCM, community members, and NGOs to oversee operations, compliance, and continuous improvement.
15. **Monitoring and Periodic Assessment:**
  - a. **Shoreline Monitoring:** The concerned agency should conduct periodic monitoring of shoreline dynamics to evaluate coastal stability and erosion trends.
  - b. **Water Quality and Safety:** Water quality testing, safety audits, and risk assessments should be conducted periodically by accredited institutions as per FEE Blue Flag protocols.

With the above observations and recommendations, the TEC recommends the proposal for further consideration by the TNSCZMA, subject to strict adherence to CRZ Notification provisions, Blue Flag Certification requirements, and environmentally sustainable design principles.

**Agenda Item No 11: Original Application No. 106 of 2024 (SZ) filed by Thiru K Saravanan regarding construction of 4-lane highway inside the Odiyur lagoon, Cheyyur taluk, Chengalpattu district (Resubmission)**

An O.A. No. 106 of 2024 (SZ) have been filed with the Hon'ble NGT (SZ) pertaining to the construction of a 4-lane highway inside the Odiyur lagoon, Cheyyur taluk, Chengalpattu district, Tamil Nadu. In relation to this matter, a petition was received from the Managing Trustee, Palluyir Trust for Nature Education and Research, Velachery, Chennai dated: 23/02/2024.

In this connection, a Demi-Official letter was sent to the District Collector of Chengalpattu District requesting an inspection of the site to ascertain whether the alleged construction is still occurring in the CRZ area, to take appropriate action, and to submit a report on the same.

The District Collector of Chengalpattu District has submitted a report stating that "The National Highways Authority of India has obtained CRZ clearance for four/six/eight laning of Mugaiyur to Marakkanam section of NH-332 A from 31,000 Km to 62,000 Km vide Government of India, Ministry of Environment, Forest and Climate Change vide F.No.11-17/2019-IA-III dated: 23/10/2020 under Bharathmala Pariyojana, Phase-I (Package II) in Villupuram & Kancheepuram District (now Chengalpattu District), Tamil Nadu Clearance under the Environment (Protection) Act, 1986." And further stated that NHAI is being continuously dumping the excavated material into the water body of Odiyur Lagoon which violates the CRZ Conditions (i) stipulated in part B General Conditions under the CRZ Clearance.

The part B - General Conditions (i) stipulates "No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of bridge" and (viii) stipulates "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."

As the report sent by the District Collector of Chengalpattu District mentions about the violation of conditions imposed on the proponent by the clearance granting authority, a letter was sent to MoEF & CC to take suitable action. In this connection, MoEF & CC - Regional Office, Chennai has sent a letter requesting TNSCZMA to take suitable action as per Ministry's OM No. IA3-2/11/2021-IA.III, dated: 22/08/2022.

Considering the above, the Member Secretary, TNSCZMA decided to impose environmental compensation to the Project Proponent. In this regard, environmental compensation was calculated by TNSCZMA and placed in the TNSCZMA 129<sup>th</sup> meeting held on 29.11.2024 and the Authority suggested that Penalty amount calculated using Environmental compensation formula should be vetted by the Tamil Nadu Pollution Control Board.

In response to this TNPCB has calculated the environmental compensation based on formula taken from "Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to Utilize the Fund" and EC is calculated as below

$$EC = PI * N * R * S * LF$$

**PI- Pollution Index**

Since violation took place in CRZ, value of PI is taken as **80**.

**N- Number of days** the violation took place, period of violation 26.05.2025 to 12.07.2024, ie **48 days**.

**R- Rupee factor**

For Environmental compensation levied in case of violation/ damage **R value is 250**.

**S- Scale of Operation**

Since the cost of project (capex) is 70 crores (as mentioned in the above letter) Hence S Factor for the Capex value 61-100 crores is 1.0

**LF-Location factor**

For unit located > 10 Km from the municipal boundary and for city or town having population less than 1 million LF is taken as 1.

Therefore **EC= 80\*48\*250\*1.0\*1.0 = 9,60,000/-** (Rupees Nine Lakh and sixty thousand). The Environmental Compensation vetted by TNPCB is Rs. **9,60,000/-** (Rupees Nine Lakh and sixty thousand only) vide their letter dated 14.02.2025.

The Authority may issue necessary instructions in this matter.

**Agenda Item No. 12** 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.**

**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.**

**Minutes of the 134<sup>th</sup> meeting of Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 14.05.2025**

The Member Secretary extended a warm welcome to the Chairperson and all members of the Tamil Nadu State Coastal Zone Management Authority for the 134<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority.

**Agenda Item No. 01: Confirmation of the minutes of the 133<sup>rd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 21.02.2025**

The 133<sup>rd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 21.02.2025 and the Minutes were communicated to the Members of the Authority, vide letter No. P1/1832/2024 dated 26.02.2025 and was confirmed.

**Agenda Item No.02: The action taken on the decisions of 133<sup>rd</sup> meeting of the Authority held on 21.02.2025.**

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 133<sup>rd</sup> meeting held on 21.02.2025, which was noted down by the members.

**Agenda Item No.3 Proposed Laying of 12.75" OD and 6.625" OD underground Natural Gas pipeline network for City Gas Distribution Project in Thoothukudi District by Indian Oil Corporation Limited, Southern Region Pipelines, City Gas Distribution Project, Ettayapuram Road, Tuticorin (SW/238690/2025)**

**Project Cost:** Rs. 35 Crores.

**CRZ Classification:** CRZ - IB & CVCA Boundary, CRZ - II, CRZ - III (NDZ) areas

The TNSCZMA reviewed the recommendation of the DCZMA, Thoothukudi district, in the meeting held on 11.12.2024. 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:**

- Para 8 (i) I (i) (b) pipelines, conveying systems including transmission lines area permissible activities in CRZ - I
- Para 8 (i) II (iv) facilities for receipt and storage of petroleum products and liquified natural gas as specified in annexure -II appended to this notification is permissible activities in CRZ - II
- Para 8 (i) III (iii) (e) facilities for receipt and storage of petroleum products and liquified natural gas as specified in annexure -II appended to this notification is permissible activities in CRZ - III NDZ.

- Para 4 (ii), (d), laying of pipelines, conveying system, transmission line are permissible and shall require clearance from MoEF & CC, GoI after being recommended by the concerned SCZMA.

#### **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 follow the safety guidelines both during the construction and operational phases stringently, in accordance with the regulations of the Petroleum and Natural Gas Regulatory Board (PNGRB).
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 proponent should ensure that the minimum scour depth 5m to be maintained while the pipeline's crossing 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.
4. The construction debris and / or any other type of waste shall not be disposed of into the sea and CRZ areas.
5. No construction activity shall be done in CRZ zone until obtaining the CRZ Clearance from the competent authority.
6. The use of the Horizontal Directional Drilling (HDD) method is strongly recommended for pipeline crossings in the CRZ area to minimize ecological disturbance and impact on aquatic life.
7. The proponent shall comply with the Environmental Management Plan both during construction and operation phases.
8. The Authority suggested that Project proponent should strictly adhere to the Solid Waste Management (Amendment) Rules, 2020.
9. The project proponent shall undertake the establishment of the facility and laying of pipeline, only after getting the required statutory clearances.
10. Consent to Establish shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
11. The Project Proponent should ensure the quality of the pipeline and also the maintenance as the part of the project.
12. 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).

13. The Authority suggested that the project proponent should submit the periodical report during construction and operation phases with GIS map and other supporting document to the District Collector and TNSCZMA.
14. The unit should always have the preparedness to meet the unforeseen events such as accidents, natural calamities etc.,
15. Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
16. A Supervisory Control and Data Acquisition (SCADA) system shall be employed for continuous monitoring of the pipeline to promptly detect any leakages, ensure safe operation, and facilitate immediate emergency response
17. An automatic shut-off mechanism shall be installed to activate in the event of a leakage or other emergency situations.
18. 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.
19. TNPCB shall coordinate with the project proponent to monitor and manage any potential leakages in cyclonic period and other adverse weather conditions.
20. The unit shall install leak detection software in the pipeline, incorporating a real-time modeling system capable of identifying, sizing, and locating leaks
21. The project proponent must obtain necessary No Objection Certificate (NOC) **Consents** from relevant departments including the Highways Department, WRD and local bodies, prior to project implementation.
22. An **Onsite and Offsite Emergency Preparedness Plan (EPP)** should be prepared based on detailed risk assessments and submitted before project commencement.
23. The Project proponent must adhere to **Oil Industry Safety Directorate (OISD) guidelines** under the Ministry of Petroleum and Natural Gas for design, construction and operation of the pipeline.
24. **Pressure testing** of the pipeline shall be carried out once every three months. **Monitoring and compliance reports** shall be submitted to MoEF&CC, GoI, and TNSCZMA on a half-yearly basis.
25. **Sectionalizing valves** must be installed as per the **Population Density Index (PDI)** classification and **Petroleum and Natural Gas Regulatory Board (PNGRB)** guidelines and be properly maintained for emergency isolation.
26. The unit must have adequate **contingency protocols in place** to respond to unforeseen events such as natural disasters, technical failures, or accidents.
27. An **Environmental Impact Mitigation Plan (EIMP)** should be submitted, detailing strategies to minimize ecological and environmental impacts during both construction and operational phases.

28. The establishment of a **centralized control room** for real-time monitoring of the entire pipeline network is to be ensured for enhanced operational control.
29. A detailed **preventive maintenance schedule** should be followed to ensure the pipeline is maintained in optimal working condition throughout the year.
30. The proponent shall obtain necessary approval from Chief Controller of Explosives before commissioning of the project.
31. The Unit shall obtain a policy under the Public Liability Insurance Act 1991.
32. The sand dunes and mangroves, if any, on the site shall not be disturbed under any circumstances.
33. 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.
34. 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.
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 shall undertake **public safety and awareness campaigns** and install **clear signage** at strategic locations along the pipeline route to inform communities about safety protocols and emergency contact points.
37. Boundary pillars and environmental pre 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.
38. All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No.4 Proposed construction of Hotel, Beach Resort with Convention Centre at East Coast Road, Uthandi, Chennai comprised in the survey no 2/433 & 3/504A, Uthandi village, Sholinganallur Taluk, Chennai District by M/s. Brigade hotel ventures limited, Perungudi, Chennai (Single Window No. SW/229248/2025)**

**Project Cost: Rs. 92.13 Crores.**

**CRZ Classification: CRZ-II area**

The TNSCZMA reviewed the recommendation of the DCZMA of Chennai district in the meeting held on 11.12.2024. 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:**

- The Annexure-III of CRZ Notification 2011 has issued guidelines for development of beach resorts or hotels in the designated areas of CRZ-II and CRZ-III for occupation of tourist or visitors with prior approval of MoEF & CC, Govt. of India.
- Hence, the proposal may be recommended to MoEF & CC, Govt. of India, for issuing Clearance.

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

The subject land spans continuously in both Non-CRZ and CRZ-II zones. The land in non-CRZ zone has road frontage along the existing East Coast Road. In accordance with the guidelines in Annexure III of the CRZ Notification, no development activities are proposed within 200 meters from HTL. Hence the Authority decided to recommend the proposal to MoEF&CC, GoI, for CRZ Clearance with the following conditions:

- 1) The Project proponent shall comply with all the conditions stipulated in the guidelines attached as Annexure III in the CRZ Notification, 2011.
- 2) No construction activity shall be undertaken by the Proponent until obtaining the CRZ Clearance from the competent authority.
- 3) No groundwater extraction within the CRZ area is allowed under any circumstances.
- 4) The area 0 to 200 meters from the HTL shall be maintained as green belt zone as proposed. No construction or paving activities shall be permitted in this zone.
- 5) The Project Proponent shall provide adequate capacity of sewage treatment plant for the treatment and disposal of total sewage generated within the premises. The Unit shall recycle the treated water for toilet

flushing and for watering greeneries within the premises after achieving discharge standards prescribed by the Tamil Nadu Pollution Control Board.

- 6) The Project Proponent must ensure **Zero Liquid Discharge (ZLD)** that no sewage, greywater, or effluent is discharged into the sea, backwaters, or any adjacent water bodies. Waste water shall be 100% reused within the premises, for purposes such as landscape irrigation and sanitation.
- 7) The turtle nesting ground located behind the project boundary shall not be disturbed during the construction and operational phases. The area shall remain untouched as it is, with no development or plantation activities permitted in CRZ-1A.
- 8) The precautionary measures should be taken to protect the turtle nesting by minimizing artificial lighting, restricting noise during construction and operational phase, limiting public access by install appropriate signage and fencing & by engaging security guard, and should work in close coordination with the Forest Department or other relevant wildlife authorities for guidance, and periodic inspections of nesting grounds.
- 9) The Project Proponent shall implement appropriate measures to facilitate aquifer recharge, without altering the natural drainage pattern or coastal hydrology. Use of permeable surfaces, rainwater harvesting systems, percolation pit and natural infiltration methods shall be promoted to enhance groundwater recharge, ensuring no adverse impact on coastal ecology.
- 10) The Project Proponent shall install rooftop solar system for the generation and utilization of electricity for its premises to the maximum extent possible.
- 11) The Project Proponent shall install LED lighting throughout the premises to promote energy efficiency and reduce electricity consumption.
- 12) Air Pollution Control measures for the DG sets shall be provided in accordance with Central Pollution Control Board (CPCB) norms and the same shall be operated to comply with the emission standards prescribed by Central Pollution Control Board / Tamil Nadu Pollution Control Board.
- 13) The Proponent should design their own solid waste management system within the campus to efficiently segregate bio and non bio waste and convert organic waste into manure for to use landscaping and greenery
- 14) The Project Proponent shall segregate the solid waste generated as Biodegradable and Non-biodegradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, amended

2020. and should convert organic waste into manure for to use landscaping and greenery by providing Organic Waste Converter (OWC) and non-bio waste to be handed over to authorized recycle approved by TNPCB.

- 15) The construction debris and / or any other type of waste shall not be disposed off into the sea and CRZ areas.
- 16) 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.
- 17) The proponent shall comply with the Environmental Management Plan both during construction and operation phases.
- 18) The Project Proponent (PP) should ensure that the nearby sand dunes, which are ecologically sensitive areas, are not disturbed under any circumstances.
- 19) The Project Proponent shall provide first aid boxes at suitable locations for easy access.
- 20) The PP is encouraged to use eco-friendly or alternative materials instead of plastics within the premises and declare the campus as a "Plastic-Free Zone." A plastic waste management plan may be included in the Environmental Management Plan (EMP). Use of Single use plastic shall be banned inside the premises.
- 21) A bio-shield plantation comprising native and salt-tolerant plant species should be developed along the seaward side to provide protection against sea erosion and no plantation is allowed in CRZ-IA areas.
- 22) A quarterly environmental monitoring report should be submitted, covering air, water, soil, and noise parameters during the construction and operational phases, the concern District Environmental Engineer.
- 23) The project proponent shall obtain necessary prior clearance for any change in scope of project components.
- 24) The Project Proponent shall obtain planning permission from Department of Town and Country Planning for their proposed construction of building.
- 25) All necessary clearance from the concerned authority as may be applicable should be obtained prior to commencement of project or activity.
- 26) The project proponent shall provide safety aspects including firefighting system.
- 27) The Unit shall establish Environment Management Cell to administer and

monitor the recommendations made in the Environment Management Plan as contained in the EIA report of the project and shall be effectively implemented.

28) The project proponent shall explore the possibility of increasing avenue plantation near the project site in addition to increasing green belt inside the project area.

29) All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No. 5 Proposed construction of 20 MT Ice Plant cum Diesel outlet bearing survey No. 2891 (pt) at Nambiyar Nagar, Nagapattinam Taluk, Nagapattinam District by The Senior Manager (Marine), Tamil Nadu Fisheries Development Corporation Limited (TNFDC), Chennai (SW/236720/2025)**

**Total Project Cost:** Rs. 1.70 crores.

**CRZ Classification:** CRZ-II areas

The TNSCZMA reviewed the recommendation of the DCZMA of Nagapattinam district in the meeting held on 18.02.2025. 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:**

- 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, GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015
- As Para 8 II CRZ-II (ii)" buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the 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".
- 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*
- As per Para 4(i) and 4.2. (ii)(c) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

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

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

- 1) The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Consent to Establish and other statutory clearances.
- 2) Construction activity shall not be commenced until CRZ clearance is obtained from the competent authority.
- 3) No extraction of groundwater shall be permitted in the CRZ area under any circumstances.
- 4) The proposed construction should confirm to the local town and country planning regulations.
- 5) The Project Proponent shall strictly adhere to the Solid Waste Management Rules, 2020.
- 6) The unit shall ensure that no ammonia is used, and Freon gas shall be utilized as the refrigerant in the proposed ice plant, with all necessary safety precautions in place.
- 7) The Project Proponent must ensure **Zero Liquid Discharge (ZLD)** that no sewage, greywater, or effluent is discharged into the sea, backwaters, or any adjacent water bodies. Waste water shall be 100% reused within the premises, for purposes such as landscape irrigation and sanitation.
- 8) The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018. The construction debris and other type of waste shall not be disposed of into the CRZ areas.
- 9) Any Hazardous waste generated during construction/operation phase shall be disposed off as per applicable rules and norms with necessary approvals of the TNPCB.
- 10) Consent to Establish, Consent to operate shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- 11) Necessary green belt of native species shall be developed along the project area to improve the air environment.
- 12) The Project Proponent shall ensure that there shall not be any damage to the marine aquatic animals due to construction of ice plant in CRZ area.

- 13) The Project Proponent should explore and implement measures to maximize the utilization of renewable energy sources to reduce reliance on non-renewable energy.
- 14) The Project Proponent should ensure that the disposal of wastewater generated during the operation of the ice plant should compliance with environmental standards. No wastewater discharged into the sea.
- 15) The Project Proponent shall adopt and maintain zero liquid discharge policy, ensuring that no wastewater or effluent is discharged into the sea/water body under any circumstances.
- 16) The Project Proponent should prepare a contingency plan to address potential emergencies, such as accidental spills or equipment failure, to minimize environmental risks.
- 17) The safety necessity and other guidelines prescribed by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas, Petroleum Explosives Safety Organization (PESO) shall be strictly implemented.
- 18) The Design and construction of diesel bunk shall comply with the prescribed / stipulated standard specifications.
- 19) The Fire Hazard, if any, should be handled as indicated in the proposal and all the equipment and facilities should be established as proposed.
- 20) Only approved and robust diesel storage containers and pipelines, designed to ensure leak-proof and secure transfer, shall be used. All storage infrastructure must comply with safety and environmental norms.
- 21) Personnel involved in diesel handling must undergo training in safe handling procedures and emergency spill response to minimize operational risks and prevent accidental discharges.
- 22) In consultation with Indian Oil Corporation Ltd. (IOCL), the project proponent shall explore the possibility of dispensing diesel directly through dedicated pipelines. Transportation of diesel by fishermen in cans or containers should be strictly prohibited for safety and environmental reasons.
- 23) A comprehensive plan for the management and safe disposal of wastewater generated during the operation of the Ice Plant shall be submitted to ensure compliance with relevant environmental standards.
- 24) The Project Proponent shall prepare and submit a site-specific contingency and emergency response plan to address potential risks, including accidental spills, equipment malfunctions, or other operational failures, to safeguard the environment and ensure rapid mitigation.

25) All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No. 6: Proposed construction of Tamil Nadu Olympic Water Sports Academy (TNOWSA) by Sports Development Authority of Tamil Nadu (SDAT) at S. F. No.112/2, 112/3, 112/4, 123/2, Pirappanvalasai village, Ramanathapuram Taluk, Ramanathapuram district (SW/ 244961/2025)**

**Total Project Cost:** Rs.42.90 crores.

**CRZ Classification:** CRZ-III NDZ area

The Member Secretary of SDAT, the Project Proponent (PP), presented the proposal for the establishment of the Tamil Nadu Olympic Water Sports Academy (TNOWSA), a flagship initiative of the Government of Tamil Nadu aimed at creating a premier training facility for non-motorized water sports. The facility is intended to benefit aspiring athletes, particularly from local fishing communities and economically disadvantaged groups.

#### **Site Justification**

The PP highlighted the unique advantages of the proposed location along the Palk Bay coast, characterized by:

- Calm sea state and low wave heights
- Flat sea surface
- Minimal lateral currents and negligible drift
- Seven months of uninterrupted water accessibility annually

These parameters render the site highly suitable for safe, consistent, and year-round non-motorized water sports training.

#### **Project Objectives and Key Components**

The proposed academy will function as a holistic, inclusive, and environmentally sensitive training center, featuring:

- a. **Athlete Capacity:** Classroom-based training for 40 participants and on-water training facilities for up to 15 non-motorized boats simultaneously.
- b. **Inclusive Development:** Targeted support for youth from coastal and marginalized communities through capacity building and livelihood generation.

- c. **Institutional Collaboration:** A proposed MoU with the National Institute of Water Sports (NIWS), Goa, for joint certification programs and knowledge exchange.
- d. **Marine Conservation Integration:** Launch of a certified diving program to train volunteers in coral reef monitoring and coastal ecosystem stewardship.

### Revised Built-Up Area (Post-TEC Recommendations)

The PP submitted a revised site layout and built-up area plan, which excludes residential components within the CRZ-III (NDZ) area, as per CRZ guidelines

| Revised proposal                                                  |        |                       |
|-------------------------------------------------------------------|--------|-----------------------|
| Block Wise Details                                                | Floors | Built-up Area in sq.m |
| Admin Block (2 rooms)                                             | 1 (G)  | 298.00                |
| Sports Center<br>(4 Classroom, Gym, Massage Room, Reception Area) | 2(G+1) | 2295.00               |
| Training & Performance Centre                                     | 1 (G)  | 364.00                |
| Athlete Development & Education Centre                            | 1 (G)  | 364.00                |
| Dining Hall (1 no.)                                               | 1 (G)  | 298.00                |
| Coach's Observation Deck                                          | 1 (G)  | 77.00                 |
| Holistic Development Centre                                       | 1 (G)  | 291.50                |
| Athlete Support Centre                                            | 1 (G)  | 228.60                |
| Security Cabin (1 No.)                                            | 1 (G)  | 30.00                 |
| Total                                                             |        | 4246.10               |

### Regulatory Context – CRZ Notification, 2011

The proposal was evaluated against the provisions of the CRZ Notification, 2011:

- **Para 8 III CRZ-III (iii)(j):** (j) construction of dispensaries, **schools**, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the **local inhabitants** may be permitted on a case to case basis by CZMA (Permits development of public utilities and community-based infrastructure on a case-to-case basis by CZMA, provided it serves the interests of the local population.)
- **Para 4(i)(a):** Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.

- **Para 4.2(ii)(c):** of the said Notification, the proposal may be recommended to SEIAA, for issuing Clearance

The TNSCZMA reviewed the recommendation of the DCZMA of Ramanathapuram district in the meeting held on 15.04.2025. The Authority has also taken note of the proposal submitted by the Project Proponent.

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

The Authority decided to recommend the proposal to SEIAA, for CRZ Clearance with the following conditions:

1. No construction activity shall be undertaken by the Proponent without obtaining the CRZ Clearance from the competent authority.
2. The proponent should not construct any other activities other than proposed.
3. No groundwater extraction within the CRZ area is allowed under any circumstances. Required Water should be sourced from local panchayat / private tankers
4. Eco-friendly construction materials shall be used as far as possible to ensure sustainability and compliance with environmental standards
5. The Project Proponent shall ensure that only sailing boats, kayaks and rowboats, are used for water sports training. Motorized boats / bottom trolley boats and mechanized vessels should not be allowed as part of this project. The Project Proponent must also ensure that these activities do not disturb the coastal ecosystem, including sea grass meadows, coral reefs, intertidal habitats, and other ecologically sensitive areas.
6. The project design shall incorporate disaster-resilient features to ensure the safety of infrastructure and trainees. All structures should be planned to withstand extreme weather events, including cyclones, tidal surges, and saline conditions, with appropriate use of salt-resistant materials and elevated designs wherever necessary.
7. The Project Proponent must prepare and submit a comprehensive Safety and Emergency Response Plan (ERP), which should include provisions for life-saving equipment, trained lifeguards, first aid and medical facilities, emergency evacuation procedures, and coordination mechanisms with the local disaster management authority.
8. A greenbelt buffer shall be developed around the project site in consultation with the District Forest Officer (DFO) and the Green Tamil Nadu Mission. Only native,

salt-tolerant tree, shrub, and herb species recommended by the concerned authorities shall be used. A detailed planting plan, including species list and layout, must be submitted to the Authority before implementation.

9. Groundwater extraction from within the CRZ area is strictly prohibited under the CRZ Notification, 2011. The Project Proponent must ensure that all freshwater requirements for the project are met through alternative means such as supply from local bodies or authorized sources outside the CRZ area.
10. The Project Proponent must ensure **Zero Liquid Discharge (ZLD)** that no sewage, greywater, or effluent is discharged into the sea, backwaters, or any adjacent water bodies. Waste water shall be 100% reused within the premises, for purposes such as landscape irrigation and sanitation.
11. The Project Proponent shall segregate the solid waste generated as Biodegradable and Non-biodegradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, amended 2020. and should convert organic waste into manure for to use landscaping and greenery and non bio waste to be handed over to authorized recycle approved by TNPCB.
12. The Project Proponent shall provide details of any hazardous or chemical waste that may be generated during the operational phase, including handling, storage, and disposal methods, along with safety measures to avoid contamination of land or water.
13. Considering the scale of operations and energy demand, the Project Proponent should ensure that at least 50% of the total energy requirement for the facility is met through renewable sources, particularly solar energy. Energy-efficient systems and designs should be incorporated throughout the project.
14. The Project Proponent establish a robust monitoring and evaluation system, including periodic shoreline monitoring, biodiversity assessments, and compliance audits.
15. The project shall ensure full engagement of local communities in beach management, and training opportunities. Priority should be given to local employment, particularly in roles such as trainers, safety personnel, maintenance staff, and eco-guides, in line with the project's stated objective of benefiting the local population.
16. The Project Proponent shall undertake the constructions only after getting the required Clearances from the Competent Authorities such as Planning Permission, Plan Approval etc.,
17. Excavated materials generated during construction must not be dumped in water bodies or adjacent areas to avoid environmental degradation.

18. A rainwater harvesting system shall be developed to maximize the effective use of rainwater, ensuring all freshwater demands are sustainably met.
19. Solid waste generated during the project shall be managed in accordance with the provisions of the Solid Waste Management Rules, 2016.
20. No construction debris shall be deposited or disposed off in Coastal Regulation Zone areas
21. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure minimal environmental impact.
22. All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No.7: Proposed construction of Neithal Heritage Park at Survey No. 2195 pt, 2198 pt, Nagore, Nagapattinam District by the Deputy Director, Department of Horticulture and Plantation Crops, Nagore, Nagapattinam District (SW/243472/2025)**

**Total Project Cost:** Rs. 6.0225 crores.

**CRZ Classification:** CRZ-II area

The TNSCZMA reviewed the recommendation of the DCZMA of Nagapattinam district in the meeting held on 30.11.2023. 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:**

- 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, GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015
- As Para 8 II CRZ-II (ii)" buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the 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".
- Para 8(i) II CRZ-II, (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.
- As per Para 4(i) and 4.2 (ii)(c) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

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

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

1. The Project Proponent shall undertake the constructions only after getting the required Clearances from the Competent Authorities such as Planning Permission, Plan Approval etc.,
2. The proponent should not construct any other activities other than proposed.
3. Eco-friendly construction materials shall be used as far as possible, to ensure sustainability and compliance with environmental standards.
4. The natural course of waterflow within the project area shall not be disturbed during construction and operation phase and shall be maintained in consultation with the Hydrology Department.
5. A comprehensive Wastewater Reuse Plan must be incorporated. Treated wastewater should be fully reused for landscape irrigation and toilet flushing. Under no circumstances should treated or untreated effluent be discharged into the sea or any adjoining water bodies.
6. Groundwater extraction within the CRZ area is strictly prohibited. The Project Proponent must ensure full compliance with CRZ Notification, 2011.
7. The entire park area shall be maintained as a Plastic-Free Zone. Necessary signage and enforcement mechanisms must be in place to ensure compliance.
8. A Plastic Waste Management Plan shall be integrated into the Environmental Management Plan (EMP), including mechanisms for collection, segregation, and safe disposal through authorized agencies.
9. The Project Proponent must ensure **Zero Liquid Discharge (ZLD)** that no sewage, greywater, or effluent is discharged into the sea, backwaters, or any adjacent water bodies. Waste water shall be 100% reused within the premises, for purposes such as landscape irrigation and sanitation.
10. A solar photovoltaic system must be installed to meet a portion of the park's energy requirements, thereby promoting renewable energy use and reducing the carbon footprint.
11. A Disaster Management and Flood Mitigation Plan must be developed to safeguard infrastructure and visitor safety in the event of cyclones, storm surges, or heavy rainfall.
12. Existing natural drainage paths, watercourses, and tidal inlets in and around the site shall not be altered or obstructed during any phase of the project.

13. The children's play area should be surfaced using natural beach sand or other non-toxic, eco-friendly materials to ensure child safety and environmental harmony.
14. Drinking water points and food kiosks shall be appropriately located throughout the park to meet the needs of visitors and reduce crowding.
15. All proposed ponds within the park must be safely fenced and maintained with appropriate signage to prevent accidental access, particularly by children.
16. The Project Proponent shall incorporate innovative and interpretive horticultural elements (e.g., coastal flora exhibits, sensory gardens) that reflect the native biodiversity and cultural values of the *Neithal* ecosystem. These details must be submitted to the Authority.
17. **A Park Maintenance and Monitoring Committee under the chairmanship of District Collector, Nagapattinam** shall be constituted prior to the operational phase. This committee shall oversee the park's upkeep, adherence to environmental standards, and ongoing public engagement.
18. The proponent shall use ecofriendly construction materials such as recycled wooden planks to be used for pathways to maintain negative carbon footprint at the project site.
19. Solid waste generated during the project shall be managed in accordance with the provisions of the Solid Waste Management Rules, 2016.
20. No construction debris shall be deposited or disposed off in Coastal Regulation Zone areas
21. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure minimal environmental impact.
22. All the conditions of TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No.8: Clearance under the CRZ Notification, 2011 issued for the foreshore facilities viz., Cooling Water Intake, Blow Down Discharge Pipeline and Coal Pipe Conveyance System (conveyance Corridor) for the project to Ennore SEZ Thermal Power Project (2x660 MW) situated at Voyalur Village, Ponneri Taluk, Tiruvallur district by TANGEDCO - Extension of the validity of EC & CRZ Clearance**

The Project Proponent briefed that Environmental Clearance (EC) and CRZ clearance were previously granted for the Ennore SEZ Thermal Power Project (2x660 MW), including associated foreshore facilities such as the coal conveyor pipeline, cooling

water intake, and outfall pipelines. The validity of the CRZ clearance expired on 31.12.2024. The Project Proponent explained that initial delays in the commencement of work by the contractor, the NGT case and its subsequent directions, as well as the COVID-19 lockdown, were the primary causes of the delay. Additionally, PP has informed that they applied for extension of validity MoEF & CC, GoI, before expiring the clearance i.e. 31.12.2024. As a result, civil and marine works within the CRZ area are still incomplete. A formal application for an extension of validity has been submitted, requesting an additional year, up to 30.12.2025.

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

The Project attracts the provisions of CRZ Notification 2011., as the pipelines and the conveyor systems are falling in CRZ-I, II and III and all those activities indicated above are permissible activities in all the above three zonation's of CRZ.

However, the above activities require the clearance from the Ministry of Environment and Forests, GoI, vide para 4 (ii) (f) of CRZ Notification 2011. However, as per the provisions of paragraph 4(ii)(f) of the CRZ Notification, 2011, such activities require prior clearance from the MoEF & CC, GoI.

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

The Authority recommend the proposal to the MoEF & CC, GoI for the extension of validity with the following conditions

1. The Project Proponent to expedite the completion of the remaining works within the extended validity period, and avoid any further delays that may result in project stagnation or regulatory non-compliance.
2. The Project Proponent shall strictly adhere to the original design and alignment of pipelines and other foreshore facilities as approved under the earlier CRZ clearance. Any deviation shall require prior approval of TNSCZMA and MoEF & CC.
3. The National Green Tribunal (NGT) had earlier issued specific directions regarding the alignment and implementation of the pipeline infrastructure. The Project Proponent is mandated to comply fully with all NGT directives and submit a compliance report to the Authority.
4. All the conditions imposed by TNSCZMA & DCZMA should be followed stringently.

**Agenda Item No.9: Clearance under the CRZ Notification, 2011 issued for the Ennore SEZ TPP - 2 x 660 MW supercritical Thermal Power Project - Name Transfer of EC & CRZ to M/s Tamil Nadu Power Generation Corporation Limited (TNPGL).**

The Project Proponent explained before the Authority that as per G.O. (Ms). No. 6, Energy (B2) Department dated:24.01.2024 and published in the Tamil Nadu Government Gazette Notification No.90 Part-II - Section-1, dated 06.03.2024, TANGEDCO was bifurcated into M/s TNPGL for administrative convenience and to improve the performance. Now, all the Thermal stations & Thermal power projects of Erstwhile TANGEDCO come under newly formed TNPGL.

As per OM dated: 03.11.2023 issued by MoEF & CC, GoI, it is mandatory to transfer the EC & CRZ clearance in the transferee name within 12 months from the date of bifurcation. Further, as per OM dt. 03.07.2023 issued by MoEF & CC, GoI, it is essential to obtain recommendations of Coastal Zone Management Authority to transfer the CRZ clearance in the transferee name.

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

The Authority has taken on record the name transfer of EC & CRZ of the Ennore SEZ TPP - 2 x 660 MW supercritical Thermal Power Project to M/s Tamil Nadu Power Generation Corporation Limited (TNPGL) and this may be forwarded to MoEF&CC, GoI with the following conditions :-

1. All originally stipulated CRZ conditions and safeguards shall continue to remain in force post-transfer and must be adhered to by TNPGL.
2. The Authority noted that such transfers must be consistent with Government Order G.O. Ms. No. 32 and the Tamil Nadu Government's Notification No. 90 (GOTN Trans Scheme) dated 06.03.2024.
3. The Authority further advised that any future modifications to the project or operational plans must be submitted for prior approval of the TNSCZMA and MoEF&CC, as applicable under the CRZ Notification.

**Agenda Item No.10 Infrastructure development of Blue Flag Beaches in Marina Beach, Chennai, Silver Beach, Cuddalore, Kameshwaram Beach, Nagapattinam and Ariyamaan Beach, Ramanathapuram districts**

The Government of Tamil Nadu, vide *G.O. (Ms) No. 160, Environment, Climate Change & Forests (FR.12) Department, dated 10.01.2024*, accorded approval under the Annual Action Plan 2024-25 of the Tamil Nadu Coastal Restoration Mission (TN-SHORE) for implementation of the Blue Flag Beach Certification Programme at four identified coastal locations. The programme aims to enhance the ecological and recreational quality of beaches through the establishment of globally recognized eco-friendly infrastructure.

The National Centre for Sustainable Coastal Management (NCSCM), Chennai, was subsequently entrusted with conducting feasibility studies and preparing site-specific Detailed Project Reports (DPRs) for each proposed Blue Flag beach site.

The subject was earlier placed before the 130<sup>th</sup> meeting of TNSCZMA held on 13.12.2024, where it was decided that the project implementation must strictly adhere to the conditions set forth under the CRZ Notification, 2011, and the S.O. No. 125(E) dated 09.01.2020 issued by the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India, which outlines procedural guidelines for Blue Flag beach development.

Following this, NCSCM presented site-specific feasibility assessments addressing key parameters including:

- Coastal Regulation Zone (CRZ) classification and sensitivity,
- Marine water quality,
- Biodiversity and ecological indicators (e.g., turtle nesting beaches, sand dunes, seagrass beds etc.), and
- Safety, disaster risk reduction, and bathing area risk management.

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

The Authority considered the proposal and issued the following observations and recommendations. The proposal is recommended for implementation, subject to strict adherence to the CRZ Notification, 2011 and subsequent amendments, particularly S.O. No. 125(E) dated 09.01.2020. In addition, the following specific conditions must be complied with by the Project Proponent:

1. CRZ Compliance Monitoring: A high-resolution digital boundary map of the project area shall be prepared using DGPS, validated by NCSCM. This shall be used for

accurate demarcation and real-time monitoring of CRZ compliance during both construction and operational phases.

2. **Beach Cleanliness and Maintenance:** The Project Proponent shall ensure that the entire stretch of the beach, including areas outside the core project zone, is maintained in accordance with the Blue Flag criteria, including regular cleaning, waste removal, and environmental upkeep.
3. **Use of Eco-friendly Materials:** All infrastructure shall prioritize non-concrete, modular, and eco-sensitive construction materials, such as bamboo, treated timber, and container-based units. This shall be done in consultation with NCSCM to minimize ecological footprint and align with sustainability standards.
4. **Green Buffer and Bio-Fencing:** Bio-fencing using native salt-tolerant species (shrubs, hedges) shall be installed along project perimeters to enhance natural aesthetics and prevent coastal erosion, as part of a landscape restoration and dune conservation strategy.
5. **Protection of Turtle Nesting Habitats:** All construction must be carried out in such a way that turtle nesting grounds are not disturbed. A comprehensive Turtle Nesting Management Protocol, including seasonal lighting restrictions and access control, must be developed by agencies such as NCSCM and implemented at all sites.
6. **Restriction on Vehicular Movement:** No permanent vehicular roads shall be constructed within the beach area. Only designated access paths and pedestrian boardwalks made from removable and permeable materials shall be permitted.
7. **Installation of Oceanographic Monitoring Systems:** A moored data buoy equipped with real-time sensors shall be installed at each site to continuously monitor key oceanographic parameters such as water temperature, salinity, wave height, current speed, wind speed, pH, and dissolved oxygen, to support adaptive beach management and public safety.
8. **Information and Safety Signage:** Aesthetically designed digital display boards, including Blue Flag certification criteria, eco-educational content, and safety protocols (e.g., red flags, lifeguard instructions, no-swim advisories), shall be installed prominently along the beach to ensure public awareness and behavioural compliance.

The TNSCZMA recommends the implementation of the Blue Flag Beach Infrastructure Development at the four proposed locations, subject to full compliance with the CRZ Notification, 2011, S.O. 125(E)/2020, and the above-stated environmental safeguards and design conditions. The Authority also emphasized that all site-specific activities must be preceded by appropriate CRZ clearances and continuous oversight must be ensured through a designated Beach Management Committee (BMC) at each site.

**Agenda Item No 11: Original Application No. 106 of 2024 (SZ) filed by Thiru K Saravanan regarding construction of 4-lane highway inside the Odiyur lagoon, Cheyyur taluk, Chengalpattu district (Resubmission) – Environmental Compensation**

An Original Application No. 106 of 2024 has been filed in the Hon'ble NGT (SZ) pertaining to the construction of a 4-lane highway inside the Odiyur lagoon, Cheyyur taluk, Chengalpattu district, Tamil Nadu, alleging NHAI is being continuously dumping the excavated material into the water body of Odiyur Lagoon which violates the CRZ Conditions (i) stipulated in part B General Conditions under the CRZ Clearance.

Pursuant to this, the District Collector of Chengalpattu District submitted a report confirming the violation, following which a letter was sent to the MoEF&CC for taking appropriate action. In response, the MoEF&CC - Regional Office, Chennai has forwarded a letter to the TNSCZMA, requesting action in accordance with O.M No. IA3-2/11/2021-IA.III, dated 22.08.2022.

Considering the above, the Member Secretary, TNSCZMA decided to impose environmental compensation to the Project Proponent. In this regard, environmental compensation was calculated and placed in the 129<sup>th</sup> meeting held on 29.11.2024 and the Authority suggested that Environmental compensation should be vetted by the TNPCB.

In response, the TNPCB calculated the environmental compensation based on the CPCB formula and submitted it to the Authority for consideration.

The Authority approved the assessed Environmental Compensation and instructed the Member Secretary, TNSCZMA to initiate action against the Project Proponent in accordance with the provisions of CRZ Notification, 2011 and Environment (Protection) Act, 1986.

**Agenda Item No. 12 Any other subject with the permission of the Chair**

The Chairperson of the Authority has stated that SCZMA is a statutory body constituted by MoEF & CC, Govt of India to scrutinize and recommend the important projects in the coastal environment. It was observed that some ex-officio members were not presented at the meeting and had deputed their nominees instead. Therefore, the Chairperson instructed that a letter be sent to the ex-officio members, requesting them

to attend the authority meeting in person, as their input will be valuable and essential for the scrutiny of the projects, under consideration by the Authority.

**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.**