

122nd MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 09.11.2023 (Thursday)

Time: 11.00 A.M.

Venue:

7th Floor, Conference Hall,

Environment, Climate Change & Forests

Department,

Namakkal Kavignar Maaligai,

Secretariat, Chennai.9

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Agenda Item No. 01: Confirmation of the minutes of the 121st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.06.2023

The 121st meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 26.06.2023 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1950/2021 dated 20.07.2023.

Agenda Item No.02: The action taken on the decisions of 121st meeting of the Authority held on 26.06.2023

Sl. No.	Subject	Action taken
01	Amendment in CRZ Clearance for the revised route alignment of Seawater Pipelines and Coal Pipe Conveyance System (Conveyance Corridor) of 2 x 660 MW Ennore SEZ coal-based Supercritical Thermal Power Project at Voyalur Village, Ponneri Taluk, Tiruvallur district by the Chief Engineer / Project-I, TANGEDCO, Chennai	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/897/2023, dated 24.07.2023. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 5782/EC.3/2023-1, dated 09.08.2023.

02	Amendment in CRZ Clearance for the laying of Ash Slurry and Recovery Water Pipelines from the NCTPP Stage-III to NCTPS Ash Dyke (Pipeline System) of M/s. NCTPP Stage-III at Villages Ennore & Puzhudikvakkam, Ponneri Taluk, Tiruvallur district proposed by the Chief Engineer / Project-II, TANGEDCO, Chennai	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/898/2023, dated 12.09.2023. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 6269/EC.3/2023-1, dated 18.08.2023.
03	Laying of Product Operating Line (POL) Pipeline from Kamarajar Port at Ennore to CPCL at Manali via IOCL, Vallur Terminal proposed by M/s. Indian Oil Corporation Limited, Chennai	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/899/2023, dated 24.07.2023. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 5783/EC.3/2023-1, dated 18.08.2023.
04	Proposed reconstruction of existing shore protection sea wall for the Arulmigu Subramaniya Swamy Temple, Tiruchendur of Keela Tiruchendur Village, Thoothukudi district by Executive Officer, Arulmigu Subramaniaswamy Thirukovil, Tiruchendur	As resolved by the Authority, the proposal has been recommended to SEIAA, for issuing Clearance, vide this office letter No. P1/188/2023, dated 24.07.2023.
05	Construction of Fish Landing Centre in Vanagiri Village, Sirkazhi Taluk of Mayiladuthurai district by Asst. Director of Fisheries and Fishermen Welfare Department, Nagapattinam (North)	As resolved by the Authority, the proposal has been recommended to SEIAA, for issuing Clearance, vide this office letter No. P1/1598/2022, dated 24.07.2023.
06	Proposed construction of Tail end Check Dams at Confluence points of Thamirabarani River with sea at R.S.No. 250, Mukkani Village, (Check Dam ARM-1), Srivaikundam Taluk, Thoothukudi district and at R.S. No.23 & 62, Punnaikayal Village (Check Dam ARM-II) and R.S. No. 747, Sernthamangalam Village (Check Dam ARM-III) of Tiruchendur Taluk, Thoothukudi district by the Executive Engineer, Water Resource Department Thamiraparani Basin Division, Tirunelveli	The Authority has resolved to make filed inspection and constituted Inspection Team and the same has been communicated to PP vide this office letter No. P1/988/2022, dated 31.07.2023.

07	Establishment of Petrol / Diesel Bunk at SF No. 519/17, 519/8B2 of Kadiappattinam Village, Kalkulam Taluk, Kanyakumari district by Thiru Alasius. D., Kanyakumari	As resolved by the Authority, the proposal has been recommended to DTCP, for issuing Clearance, vide this office letter No. P1/1084/2023, dated 25.07.2023.
08	Proposed construction of service apartment at SF No. 360 (pt), Kottakuppam Village, Vanur Taluk, Villupuram district by Tmt. Vasanthi, Adyar, Chennai.20	As resolved by the Authority, the proposal has been recommended to DTCP, for issuing Clearance, vide this office letter No. P1/1118/2023, dated 25.07.2023.
09	Construction of cement storage and bagging facilities at V.O. Chidambaranar Port Authority, Harbour Estate, Thoothukudi by M/s. Ultra Tech Cement Limited, Mumbai - Resubmission after site inspection	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/189/2023, dated 24.07.2023. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 5781/EC.3/2023-1, dated 02.09.2023.
10	Existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, Vilavancode Taluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, Vilavancode Taluk, Kanyakumari district	As resolved by the Authority, copy of the extract minutes of meeting communicated to DCZMA, vide this office letter No. P1/1689/2020, dated 25.07.2023
11	Hon'ble Supreme Court orders with reference to M/s. KTV Oil Mills Pvt. Ltd and KTV Health Food PVT Ltd., Chennai (Civil Appeal No: 3626/2020 & 3639/2020)	As resolved by the Authority, copy of the extract minutes of meeting communicated to DCZMA, vide this office letter No. P1/309/2020, dated 01.08.2023
12	Revision of Scrutiny fee for the proposal which requires Clearance under the CRZ Notification 2011	As resolved by the Authority, the details of various fee being collected by TNPCB was obtained and resubmitted as Agenda Item No. 15.
13	Proposal for establishing regional level coordination to Tamil Nadu State Coastal Zone Management Authority	As suggested by the Authority, action is being taken to constitute a committee to ascertain the categories of surrender of posts based on the necessity of the work (File No. P1/1062/2023)

14	Report of the Comptroller and Auditor General of India on "Conservation of Coastal Ecosystems" - Improper delegation of powers to local planning authorities to issue planning permission without recommendations of SCZMA	The Authority opined that the current procedure is most viable and practical practice which would enable ease of doing government business for the common public. Accordingly, the same was brought to the notice of the office of the Principal Accountant General, Chennai, vide Govt. letter No. 20000/EC.3/2021-24, dated 02.09.2023.
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Agenda Item No.3 Proposed development of Desalination Plants of 2 MGD SWRO at NDDP and 2 MLD MED at MAPS, DAE Complex, Kalpakkam, Chengalpattu district by M/s. Bhabha Atomic Research Centre (BARC), Kalpakkam, Chengalpattu district (Single Window No.SW/140467/2023)

The District Environmental Engineer, TNPCB, Maraimalai Nagar has forwarded a proposal received from M/s. Bhabha Atomic Research Centre (BARC), Kalpakkam, Chengalpattu district for the proposed development of Desalination Plants of 2 Million Gallon per Day (MGD) Sea Water Reverse Osmosis (SWRO) at Nuclear Desalination Demonstration Plant (NDDP) and 2 Million Litre per Day (MLD) Multi Effect Distillation (MED) at Madras Atomic Power Station (MAPS), Department of Atomic Energy (DAE) Complex, Kalpakkam, Chengalpattu District. The project information and EIA report prepared by M/s. Indomer Coastal Hydraulics (P) Ltd., Chennai having NABET certificate valid upto 13.09.2023 and further extended upto 11.12.2023.

Need for the project

The DAE Complex located in Kalpakkam comprises various infrastructures. The freshwater demand at DAE Complex and township is presently met through Palar River Infiltration gallery.

In order to augment the fresh water supply, BARC has setup NDDP consisting of hybrid MSF-RO Desalination Plant of 6.3 MLD Capacity (4.5 MLD MSF 1na 1.8 MLD SWRO). The SWRO Plant was commissioned in 2002 whereas the MSF Plant was commissioned in 2008. Due to increasing activities in the existing facilities and addition of new facilities, the demand for freshwater has been increasing. Further, the existing SWRO Desalination Plant in NDDP campus had lapsed more than 20 years operational life out of 25 years design service life. Thus to meet the demand of freshwater, desalination plants of 2 MGD SWRO Plant to be located inside NDDP campus and 2 MLD Multi Effect Desalination (MED) Desalination Plant to be located inside MAPS campus, Kalpakkam are proposed.

Project description

- The Government of India, Department of Atomic Energy, R&D-I Section vide Office Memorandum No.3/16/2020/BARC/R&D-I/5244 dated 22.04.2021 has sanctioned the project for setting up of 2.0MGD Seawater Reverse Osmosis(SWRO) Desalination Plant with indigenous membrane element at NDDP, BARCF, Kalpakkam at an estimated cost of Rs.150 crores and vide Office Memorandum No. 3011/6/2022/ BARC/R&D-I/13460 dated 19.10.2022 has sanctioned the project for setting up of MED based Nuclear Desalination Plant at MAPS at an estimated cost of Rs.90 Crores
- The proposed desalination plants will be located inside the Department of Atomic Energy Complex situated in Kalpakkam, Chengalpattu district.
- The objective of the project is to produce potable water by processing raw seawater to meet the demands inside DAE complex.
- The proposed SWRO Plant would consist of ultra-filtration (UF) pre-treatment with a two pass Reverse Osmosis system along with post-treatment section to provide 2 MGD potable water at a consistent quality of about 300 ppm salinity (TDS), conforming to the desirable Indian Standard of drinking water.
- The major subsystems of the SWRO Plant include chlorination of raw seawater at NDDP sump followed by clarification, media filtration, ultra-filtration, high pressure pumps, RO modules, energy recovery devices, membrane cleaning, post-treatment and process storage tanks.
- Area allotted for the development of proposed desalination plants is given below.

Desalination Plant	Area (m ²)
2 MGD SWRO	8521.4
2 MLD MED	1856.0
Total	10377.4

- Area of the proposed desalination plant and associated facilities in various CRZ are as follows

S. No	Description	CRZ classification	Area (m ²)	Total Area (m ²)
1	Proposed SWRO desalination plant	CRZ III B	6053.24	7411.4
		Outside CRZ	1358.16	
2	Proposed SWRO intake water pump	CRZ III A	918.00	918.00

3	Proposed MED desalination plant	CRZ III A	1367.92	1472.0
		CRZ III B	104.08	
4	Proposed MED control room	CRZ III A	384.00	384.00
5	Proposed SWRO post treatment area	CRZ III B	192.00	192.00

Length of proposed pipeline in various CRZ areas as follows

S. No	Description	CRZ Classification	Length (m)	Total length (m)
1	Proposed SWRO intake pipeline	CRZ III A	136.37	328.21
		CRZ III B	191.84	
2	Proposed SWRO outfall pipeline	CRZ III A	239.46	535.85
		CRZ III B	283.44	
		CRZ IV B	12.95	
3	Proposed MED intake pipeline	CRZ III A	150.28	150.28
4	Proposed MED outfall pipeline	CRZ III A	87.62	100.90
		CRZ IV B	13.28	

- The intake sea water to be proposed SWRO sump will be trapped from the existing pipeline passing from existing NDDP sump to the existing desalination plant in NDDP.

Location of the project

M/s. Bhabha Atomic Research Centre (BARC), Kalpakkam, Chengalpattu. The coordination details are given below.

Sl. No	Description	Label	Latitude	Longitude
1	Proposed SWRO Desalination Plant	A	12° 33' 22.310" N	80° 10' 21.528" E
		B	12° 33' 20.095" N	80° 10' 26.592" E
		C	12° 33' 18.770" N	80° 10' 25.988" E
		D	12° 33' 20.993" N	80° 10' 20.931" E
2	Proposed SWRO Intake Water Sump	E	12° 33' 19.286" N	80° 10' 33.885" E
		F	12° 33' 19.052" N	80° 10' 34.432" E
		G	12° 33' 17.530" N	80° 10' 33.756" E
		H	12° 33' 17.765" N	80° 10' 33.209" E
3	Proposed MED Desalination Plant	I	12° 33' 23.837" N	80° 10' 34.181" E
		J	12° 33' 23.004" N	80° 10' 36.124" E
		K	12° 33' 22.318" N	80° 10' 35.819" E
		L	12° 33' 23.151" N	80° 10' 33.876" E

4	Proposed MED Control Room	M	12° 33' 23.316" N	80° 10' 35.396" E
		N	12° 33' 23.794" N	80° 10' 35.608" E
		O	12° 33' 23.481" N	80° 10' 36.337" E
		J	12° 33' 23.004" N	80° 10' 36.124" E
5	Proposed SWRO Post Treatment Area	P	12° 33' 23.491" N	80° 10' 23.939" E
		Q	12° 33' 23.279" N	80° 10' 24.423" E
		R	12° 33' 22.922" N	80° 10' 24.262" E
		S	12° 33' 23.134" N	80° 10' 23.777" E
6	Proposed SWRO Intake Pipeline	T	12° 33' 19.173" N	80° 10' 25.263" E
		U	12° 33' 17.970" N	80° 10' 32.227" E
		V	12° 33' 18.166" N	80° 10' 33.734" E
7	Proposed SWRO Outfall Pipeline	W	12° 33' 20.363" N	80° 10' 22.520" E
		Y	12° 33' 15.592" N	80° 10' 33.119" E
		Z	12° 33' 17.300" N	80° 10' 36.700" E
8	Proposed MED Intake Pipeline	AA	12° 33' 25.776" N	80° 10' 35.688" E
		AB	12° 33' 24.900" N	80° 10' 37.351" E
		AC	12° 33' 22.470" N	80° 10' 35.750" E
9	Proposed MED Outfall Pipeline	AD	12° 33' 22.742" N	80° 10' 35.872" E
		AE	12° 33' 21.530" N	80° 10' 38.710" E
10	Proposed MED Discharge Point	AE	12° 33' 21.530" N	80° 10' 38.710" E
11	Proposed SWRO Discharge Point	Z	12° 33' 17.300" N	80° 10' 36.700" E

Manpower requirement

The tentative manpower requirement during continuous operation and maintenance is 15. This estimated manpower requirement is based on 3 shifts and 7 days per week.

Power requirement

Electrical power requirement for 2 MGD SWRO and 2 MLD MED Plants will be about 2 MW Steam requirements for 2 MLD MED Plant: 2x8 T/Hr at 15 bar Steam Source: MAPS unit#1 or Unit#2, through intermediate heat exchanger loop.

CRZ Classification and cost of the project

The proposed site is falls in CRZ-IIIA (No Development Zone), CRZ-IIIB (200m to 500m from HTL) and CRZ-IVB and the total cost of the project is Rs.240 crore.

Recommendation of DCZMA of Chengalpattu district

The proposal was placed before the DCZMA of Chengalpattu district on 13.07.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

- a) The Unit shall carryout impact assessment study and mitigation measures for the protection of marine environment.
- b) The existing environmental team shall monitor the outfall of the waste water (brine) discharge from the proposed desalination plant regularly.
- c) Periodical analysis of the wastewater generated shall be done through TNPCB/NABL Accredited laboratory.
- d) More tree plantation of mangroves shall be carried out as mitigation measure of marine environment and to monitor the existing mangrove in and around the project premises.
- e) The project proponent shall obtain all necessary clearances from the concerned authorities before establishment of the project activity.
- f) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- g) No groundwater/sea water shall be extracted to meet with the water requirements during the construction phase of the project.
- h) The proponent shall not construct any structures on the place of the seaside/shall not disturb the existing premises.
- i) All structures shall be disaster proof and shall be resilient to natural disasters like cyclones.
- j) The project shall prepare disaster management plan, risk assessment report with management plan and shall revise it regularly.
- k) Proper arrangements shall be made for disposal of solid wastes in compliance with the Solid Waste Management Rules, 2016 and there shall not be any dumping of solid waste in CRZ areas.
- l) The proposed activities should not causes coastal erosion.
- m) The waste water generated from the proposed Desalination plant shall meet out the discharge standards stipulated for the Marine coastal areas.
- n) The project activity should not affect the coastal ecosystem including marine flora and fauna.
- o) The proponent should ensure that the saline water shall not gain access into ground while conveying or processing the sea water.

- p) Marine water quality should be monitored at the outfall area every quarter and results sent to DCZMA.
- q) The activities such as sea water intake pipeline and outfall line should not cause hindrance to ecosystem including marine flora and fauna.

The Project Proponent has submitted replies to the above conditions, vide letter dated 14.09.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (i)(c), facilities for generating power by non-conventional energy sources and setting up of desalination plants in the areas not classified as CRZ-I(A), based on an Impact Assessment Study including social impacts, is permissible.
- Para 8 III A (iii), (h) and Para 8 III B (v), Foreshore facilities for desalination plants and associated facilities are permissible activities.
- Para 4 (ii), (d), laying of pipelines, conveying system, transmission line are permissible and Para 4 (ii) (f), foreshore requiring facilities for transport of raw materials, facilities for intake of cooling water and outfall for discharge of treated wastewater or cooling water from thermal power plant are permissible and shall require clearance from MoEF & CC, Govt. of India after being recommended by the concerned SCZMA.

Remarks of the Technical Expert Committee

- The project involves upgradation of the existing desalination plants. The project involves no modification to be done to the existing intake and outfall pipelines and hence there would be no works carried out along the sea shore or in off shore areas. The activity is proposed to be carried out within the existing premises.
- TEC observed that, the proponent should ensure that the outfall temperature should not exceed the permissible norms.
- The TEC suggested that, the proponent should furnish the flow field data for the both seasons.
- The TEC suggested that, the Residual Chlorine should be checked regularly

With the above observations and remarks, the TEC recommended the proposal for consideration of the Authority.

Agenda Item No.4 Capacity augmentation of existing operational Marine Liquid Terminal from 3 MMTPA to 6 MMTPA at Kamarajar Port proposed by M/s. Ennore Tank Terminal Pvt. Ltd., Chennai (Single Window No.SW/142238/2023)

M/s. Ennore Tank Terminal Pvt. Ltd., has proposed for Capacity augmentation of existing operational Marine Liquid Terminal from 3 MMTPA to 6 MMTPA at Kamarajar Port at Puzhuthivakkam Village, Ponneri Taluk, Tiruvallur district. The Detailed Project Report, EIA and EMP reports were prepared by the consultant M/s. Hubert Enviro Care Systems Pvt. Ltd., Chennai.32 having certificate of Accreditation from NABET valid upto 27.07.2024.

Need of proposal

The demand for marine terminal facilities for petroleum products is expected to increase significantly due to:

- Increasing importance of coastal shipping in petroleum product movement.
- Growing POL product traffic at ports in the southern region.
- Overlapping product movement of petroleum products.
- Demand serviced from refineries outside the region - Private sector players like RIL and Nayara Energy expected to rely substantially on coastal movements from their refineries in the western region to service their share of demand in the southern region.
- Retail marketing plans of private sector oil companies.
- CPCL expansion and capacity constraints at Chennai Port.

In view of the advantages, a wide range of vessels ranging from large product tankers are expected to call at the Marine Liquid Terminal (MLT).

Brief description of the proposal

This project is to augment the capacity of Marine Liquid Terminal (MLT) operated by Ennore Tanker Terminal Private Limited (ETTPL) from 3 MTPA to 6 MTPA. The profile of the existing and proposed group of products handled at MLT is given below.

Existing and proposed Group of Products Handled at MLT

Sl. No.	Product Group	Existing Throughput capacity in MMTPA	Proposed Throughput Capacity in MMTPA
1	LPG (Refrigerated Propane and Butane)	1.20	1.60
2	Petroleum, Oil and Lubricants (POL) products	1.45	3.20
3	Black Oil	0.20	0.90
4	Chemicals and Petrochemicals	0.15	0.30
	Total	3.00	6.00

Location of the project

The proposed for Capacity augmentation of existing operational Marine Liquid Terminal from 3 MMTPA to 6 MMTPA is located at Kamarajar Port at Puzhuthivakkam Village, Ponneri Taluk, Tiruvallur district. The longitude and latitude is given below.

S.No	Latitude	Longitude
1	13°17'17.68"N	80°19'58.09"E
2	13°17'28.09"N	80°19'58.05"E
3	13°17'28.18"N	80°20'11.51"E
4	13°17'21.63"N	80°20'13.16"E
5	13°17'17.76"N	80°20'13.19"E
6	13°17'17.74"N	80°20'43.88"E
7	13°16'47.21"N	80°20'35.52"E
8	13°16'38.31"N	80°20'47.32"E
9	13°16'30.41"N	80°20'55.57"E
10	13°16'20.01"N	80°20'59.60"E
11	13°16'16.37"N	80°20'59.57"E
12	13°16'16.37"N	80°20'56.65"E
13	13°16'9.17"N	80°20'57.35"E
14	13°16'17.94"N	80°20'56.18"E
15	13°16'6.36"N	80°20'58.19"E

A. Planning of Marine Liquid Terminal (MLT)

The Planning for the MLT is such so as to enable future expansions conveniently keeping in view the maximum vessel size and cargo traffic projections which may be envisaged in future.

A (1) Marine Liquid Jetty

The jetty is located at about 1300 meters from the landfall point of the Northern Breakwater on the western side. The berthing face is at a distance of about 160m from the North Breakwater. The jetty is an integrated structure consisting of 360m length of service / berthing platform and mooring facilities for handling smaller as well as larger vessels. The jetty is designed for berthing of 6000 DWT vessels to 1,50,000 DWT and above vessels.

A(2) Approach Trestle & Pipeline Trestle

An Approach Trestle is connecting the jetty head from NBW and fire pump room. The jetty control building is located adjoining the Trestle. The 1300m (approx.) long pipeline trestle running almost parallel to the breakwater will carry the pipelines, on both sides, from the main jetty to the tank farm area.

A(3) Tank Farm

The tank storage terminal is developed in phases and as per the OISD 118. It comprises 8 enclosures consisting of 64 Nos. of storage tanks to store liquid products like petroleum products, chemicals, petrochemicals and non-class products.

B. Projected Vessel Schedule for Enhanced Capacity

The main methods proposed to be followed in the capacity augmentation in enhancing the throughput capacity of the MLT from 3 MMTPA to 6 MMTPA are as follows.

- Sweating of existing assets and facilities to yield additional throughput.
- In-Line berthing of one medium size and one small size vessels for simultaneous discharge improving the vessel turnaround time and in turn the throughput capacity.
- Simultaneous discharge of 2 POL products namely MS and HSD through 2 separate dock lines namely 24" and 16" thereby POL vessel discharge time is reduced by 40%.
- Convincing the customers to bring large size vessels with increased parcel size of the POL products. This will reduce the idle time such as vessel berthing / un-berthing time, sampling and ullaging time and pre discharge testing time etc.,

Project cost and major modification to be done

The major modification to be done in the existing pipeline and allied system are as follows.

Sl. No.	Details	Qty	Amount (Rs. In lakhs)	Remarks
1	Modification of Common Mainfold to facilitate simultaneous discharge to BPCL	1	104.00	Hooking up lines to 2 x 24" lines of BPCL
2	Modification of 16" dock line to make it suitable for receipt of motor spirit from vessels	1	52.00	Modifications at jetty, common manifold and at exchange pit
3	Modification of 8" SS Dock Line for in line berthing of chemical vessel with POL vessels	1	8.00	Extension of 8" SS Dock line to south side of the jetty for inline berthing of 2 vessels.
4	Total		164.00	

Effluent and Sewage Treatment facilities

The Project Proponent stated that the Effluent will be treated through ETP of 20 KLD Capacity. Additives Barrels sent to authorized TNPCB recyclers and the same will be continued. Quantity of Engineers / Compressor used oil is minimum only, so it's utilized for other maintenance activity. Used pigs while handling of cargo are being sent to the vendor and the same will be continued.

Power requirement

The existing provision of 11 KV (HT) power requirement will be sufficient to the expansion of the project.

Water requirement

The existing water requirement of 11 KLD is being met out from outsourcing water tankers and additionally 1 KLD is required for the proposed expansion.

CRZ Classification and expected cost of the project

The project site is falls in CRZ-III, CRZ-III (NDZ) and CRZ-IVA areas and Rs.1.64 crores is expected for modification of existing facilities.

Recommendation of DCZMA of Tiruvallur district

The proposal was placed before the DCZMA of Tiruvallur district in the meeting held on 06.04.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

1. The Project Proponent shall ensure that no new infrastructure shall be established for the proposed augmentation, except for the modifications in the available infrastructure, such as modification in the common manifold to facilitate simultaneous discharge, modification in the 16" dock line to receive Motor Spirit from vessel and modification of 8" SS Dock Line for inline berthing of Chemical Vessel with POL Vessels.
2. All the recommendation of the Environmental Management Plan shall be implemented.
3. All the recommendations of the Risk Assessment Study shall be followed.
4. The On-site Emergency Response Plan and the Off-site Emergency Response Plans shall be revisited, taking into account the changes envisaged in view of the proposed augmentation.

Provisions in CRZ Notification, 2011

- Para 8 (i) CRZ-I (i) (b), pipeline, conveying system including transmission line is permissible activities.
- Para 8 (i) II CRZ-II, (iv), Para 8 III CRZ-III A (iii) (e) and Para 8 III CRZ-III B (ii), facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II, is permissible activities.
- However, as per existing clearances issued by MoEF & CC, GoI, the Proponent should obtain Clearance from MoEF & CC, GoI for the proposed modification.

Remarks of the Technical Expert Committee

- The TEC observed that, the proposal involves only modifications to the hooking facilities for the conveyance system which is already existing. There shall be no major civil works involved in the project proposal. The proposal intends to enhance the operational capacity of the existing Marine Liquid Terminal.
- The Proponent is requested to furnish the detailed compliance / replies for the DCZMA remarks

- The Project Proponent shall furnish the Oil Spill Contingency Plan based on the capacity augmentation of the terminal handling. The comparative statement of the facilities available and that would be enhanced may be stated.
- The Environment Management Plan should comprise the details for the cases of Oil spilling and any other disasters while handling the enhanced capacity from 3 MMTA to 6 MMTA.

With the above observations and remarks, the TEC recommended the proposal for consideration of the Authority.

Agenda Item No.5 CRZ Clearance received for the proposed construction of Deficient Married Accommodation at Coast Guard Residential Area (CGRA) in Mullakadu Village, Thoothukudi Taluk, Thoothukudi district (Single Window No.SW/139678/2023)

The Commander, Coast Guard, District Head Quarters, Thoothukudi has proposed for the "Construction of Deficient Married Accommodation at Coast Guard Residential Area (CGRA)" at S.F. No.816/2, Mullakadu Village, Thoothukudi Taluk, Thoothukudi district. The project information and EIA report prepared by M/s. Indomer Coastal Hydraulic Pvt. Ltd., Chennai having NABET certificate valid upto 13.09.2023.

Need of the project

In order to increase the patrol efforts and concerted maritime operations in the Eastern Region, the Indian Coast Guard has increased the number of patrolling assets in the Eastern Sea board. To meet the authorized residential requirements of the Coast Guard Personnel, the Ministry of Defence has sanctioned funds for construction of married accommodation at CGRA, Thoothukudi. The Defence has a land of 28.34 acres at Mullakadu Village, Thoothukudi for establishing the accommodation for Coast Guard.

Project description

The proposed project is construction of three number of residential buildings in Ground Floor + 10 Floors configuration with a total built up area of 14,136.59 sq.mtr(including the utilities), as follows.

Type-II Married accommodation / residential buildings : G+10 Floors. (Ground Floor 367.10 sq.mtr and 380.54 sq.mtr built up area in each floor)

Type-III Married accommodation / residential buildings : G+10 Floors. (Ground Floor 402.62 sq.mtr and 418.82 sq.mtr built up area in each floors)

Type-V Married accommodation / residential buildings : G+10 Floors. (Ground Floor 493.64 sq.mtr and 475.53 sq.mtr built up area in each floors)

Existing building

The site of the proposed project located within the already existing Coast Guard Residential Area (CGRA) campus. The Medical Inspection Room, Officers Mess, Single Officer accommodation, Type-I to Type-V buildings, MES office, Unit run Canteen, KG School, Swimming Pool, Shopping Complex, Electrical substation, UG sump, Overhead tank, compound wall etc., are the existing structure within the Coastal Guard Residential Area (CGRA) campus. The applicant stated that these buildings / structures was constructed in the year 1996 and the CRZ Clearance to be obtained for all these buildings / structures which have been constructed at a distance of about 209m away from the HTL.

Details of Utilities and Services

The following utilities and services to be provided for the proposed married accommodation at Coast Guard residential areas, Tuticorin.

- 1.5 lakhs litre underground sump.
- 25 thousand litre firefighting tanks for each the buildings.
- Pump house cum substation- 2 nos of 40 hp pump in 115 sq.m
- 150 KV DG for backup power supply.
- Water supply will be provided by TWAD Board. Coastal Guard Residential Area (CGRA) Tuticorin has already obtained water from TWAD Board only for the existing accommodation.
- Electricity supply will be provided by TNEB.
- Solid waste will be collected by coast guard at doorstep and handed over to Municipal Corporation.
- 100 KLD STP using Moving Bed Biofilm Reactor (MBBR) technique and solid waste generated at the end of the treatment will be used for landscaping works.
- Drainage for storm water will be connected to the existing drains.
- Internal road of width 5.5m.

Remarks of DCZMA for Thoothukudi district

- As per the letter dated 04.02.2022 of the District Forest Officer, Thoothukudi that the proposed construction is 2.4 kms away from Mullakadu RF and 0.45 kms from nearest HTL
- As per letter dated 20.01.2022, the Dy. Director, Town and Country Planning, Thoothukudi stated that the proposed site falling in CRZ-II and is not required from Local Planning Authority as the project is related to Defence.

DCZMA for Thoothukudi district recommendation

The DCZMA for Thoothukudi district has dealt the proposal in the 73rd meeting held on 25.02.2022 and recommended that since this is a Defence Project and the proposed site is located towards landward side of the Security Watch Tower and resolved to recommend the proposal to SCZMA.

After initiated scrutiny the proposal, the details of Security Watch Tower viz., year of construction, approval with built up area was requested from DCZMA, Thoothukudi, vide this office letter dt:24.03.2022

The DEE, TNPCB, Thoothukudi in the letter dated: 29.08.2022 stated that the administrative approval accorded on 09.09.2010 and the construction work of the Security Watch Tower started during the year 2015 and completed in the year 2016, CRZ clearance not obtained for the construction of the Security Watch Tower and the Height of the tower-7.5m and Built up area/plinth area:12.96m².

The Commander, Coast Guard Region, Chennai in letter dated 01.08.2022 stated that the Defence Project for Coast Guard Station, Thoothukudi (Provision of Deficient Married Accommodation at CGRA Tuticorin) be accorded as a special consideration of the Defence project.

CRZ Classification and total cost of the project

The proposed site falls in CRZ-II and the total cost of the project is Rs.64.88 crore.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 8 (i) II CRZ-II, (i), buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; The DCZMA has stated that the proposed activity is landward side of the existing Watch Tower which was constructed in the year 2016.
{The word [existing, used] in relation to existence of various features or existence of regularisation or norms shall mean existence of these features or regularisation or norms as on 19.2.1991 [when the CRZ notification, 1991 was notified.]. Hence, the provision was not applicable to the project.
- However, the Project Proponent has stated that the Coastal Guard has involved in the inescapable surveillance of coastline for enhanced protection for the fishermen who are distressed at sea.
- As per Para 4 (ii) (b) construction activities relating to projects of Department of Atomic Energy or **Defence requirements for which foreshore facilities are essential such as, slipways, jetties, wharves, quays; except for classified operational component of defence projects. Residential buildings, office buildings, hospital complexes, workshops of strategic and defence projects in terms of EIA notification, 2006, are permissible** and requires clearance from MoEF & CC, Govt. of India after being recommend by the concerned SCZMA.

Remarks of the Technical Expert Committee

- The Technical Expert Committee (TEC) observed that, there is no existing road or authorized structures between the proposed project site and the seaward side of the project site. However, the Project Proponent stated that the proposal is strategic importance as it is a defense project. Hence the TEC suggested that, the Project Proponent may submit the justification mentioning the strategic importance of the project. With the above comments, the expert committee recommended the proposal for consideration by the Authority (TNSCZMA).

Agenda Item No.6 Proposed development of Muthukuda Beach as Tourism Destination at S.F.No.85/25, Nattanipurasakkudi Part-II Village, Avudyarkovil Taluk, Pudukottai district by the Managing Director, Tamil Nadu Tourism Development Corporation Ltd., Chennai (Single Window No.SW/146208/2023)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Pudukottai has forwarded a proposal received from M Managing Director, Tamil Nadu Tourism Development Corporation Ltd., (TTDC), Chennai for the proposed development of Muthukuda Beach as Tourism Destination at S.F.No.85/25, Nattanipurasakkudi Part-II Village, Avudyarkovil Taluk, Pudukottai district. The project information and EIA report prepared by M/s. ABC Techno Labs India Pvt. Ltd., Chennai having NABET certificate valid upto 16.11.2025.

Need for the project

The Government, Tourism, Culture and Religious Endowments (T3-2) Department has issued orders for the "Development of Muthukuda Beach in Pudukottai district as a tourist destination at a cost of Rs.306.31 lakhs.

The Project Proponent (TTDC) stated that they intend to develop Muthukuda into a high-value sustainable ecotourism destination, with the involvement of the community. Accordingly, TTDC has intend to develop the tourism development in order to improve the flow of travelers to the destination. Muthukuda Village is with a thick mangrove forest spread over 25 acres, a few nautical miles away from the shore. Hence, the presence of an islet is considered ideal for tourism development.

Project description

- The project of Proposed Development of Muthukuda Beach as Tourism Destination at S.F.No. 85/25, Nattanipurasakkudi Part II Village, Avudayarkovil Taluk, Pudukkottai District has proposed various activities such as

Description	CRZ-Classification	Proposed Facilities Details	Area in Sq.m	Total Area in Sq.m
Project Site Boundary	CRZ- IA (50 m Mangrove Buffer Zone)	Overall facilities	110.92	37780
	CRZ- 1B		8799.13	
	CRZ - III (NDZ)		22367.42	
	Outside CRZ		6502.53	
Temporary construction of Floating Boat Jetty	CRZ- IA (50 m Mangrove Buffer Zone)	Proposed Floating Boat Jetty	41.11	144.34
	CRZ-1B		38.29	
	CRZ - III (NDZ)		18.33	
	CRZ- IVB		46.61	
Proposed facilities (Car Parking area, Children activities area and play area, Entrance area, and Gazebos in picnic area)	CRZ - III (NDZ)	Visitors Parking area, Pathway, Walkway	2651.04	3067.99
	Outside CRZ	Pathway, Walkway	416.95	
Proposed Construction (Admin block, Visitors Hall, Pre- fab toilet block)	Outside CRZ	Admin Block, Visitors Hall, Pre-fab toilet blocks - 2 Nos.	555.33	555.33

- The total project area of the site is 37780 sq.m. and the CRZ attracted area is 31277.47 sq.m.
- The proposed construction activity of Admin block, visitor's hall, pre-fab toilet block comes under outside CRZ.

- The proposed facilities such as car parking area, Children activities area and play area, entrance area, and Gazebos in picnic area which comes under CRZ -III (NDZ) zone and outside CRZ zone.

Location of the project

The location of the proposed development of Muthukuda Beach as Tourism Destination at Nattanipurasakudi Part-II Village, Pudukottai district is as follows.

Sl. No.	Description	Label	Latitude	Longitude
1	Project Site Boundary	A	9° 51' 47.871"N	79° 6' 43.014"E
		B	9° 51' 46.696"N	79° 6' 54.875"E
		C	9° 51' 43.489"N	79° 6' 55.570"E
		D	9° 51' 44.687"N	79° 6' 42.216"E
2	Proposed Floating Boat Jetty	E	9° 51' 44.652"N	79° 6' 42.491"E
		F	9° 51' 43.762"N	79° 6' 42.605"E
		G	9° 51' 43.828"N	79° 6' 42.079"E
3	Proposed facilities	H	9° 51' 45.546"N	79° 6' 42.431"E
		A	9° 51' 47.871"N	79° 6' 43.014"E
		I	9° 51' 47.173"N	79° 6' 49.915"E
		J	9° 51' 44.697"N	79° 6' 48.851"E
4	Proposed construction	K	9° 51' 47.647"N	79° 6' 43.993"E
		L	9° 51' 47.220"N	79° 6' 45.026"E
		M	9° 51' 47.047"N	79° 6' 45.895"E
		N	9° 51' 46.902"N	79° 6' 45.215"E

Manpower requirement

The workers during construction is 150 members and for post construction is 25 members.

Water requirement

The water supply will be provided by Local Municipality and RO Plant in 5 KLD.

Power Requirement

The power supply will be provided by Tamil Nadu Electricity Board.

Solid Waste Management

The solid waste generation per day is 20 kg per day and it will be disposed by the Municipality.

CRZ Classification and cost of the project

The proposed site is falls in CRZ-IA (50m mangrove buffer), CRZ-IB (Inter-tidal Zone), CRZ-III (No Development Zone), CRZ-IVB (Water area) and also outside CRZ areas and the total cost of the project is Rs.3.06 crores.

Recommendation of DCZMA of Pudukottai district

The proposal was placed before the DCZMA of Pudukottai district on 11.08.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

1. The Project Proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
2. Prior planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulation and CRZ Zone - I, III & IVB under point No. 03 (i) (a) and point No. 08 I. (b) of CRZ Notification 2011.
3. The proposed construction shall not disturb the land and marine ecology.
4. The proposed activity shall not interfere with the fishermen, Marine patrol & Public movement at any point of time. Also the fishing boats movement shall also not be hindered.
5. The proposed activity shall not cause any hindrance to the Mangrove Forest located 70 m away from the proposed project site.
6. No ground water from Coastal Regulation Zone area shall be tapped for the proposed project.
7. The project proponent shall provide bio-toilet with leach pit arrangement for the treatment and disposal of sewage generated
8. All the solid waste will be generated from the proposed activity shall be handled as per the Solid Waste Management Rules 2016.
9. The proposed project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
10. The project proponent shall comply with the Environmental Management Plan both during construction and operational phases.
11. The proposed construction shall be designed and constructed in accordance to the seismic factors applicable to Seismic Zone-II.
12. The proposed construction shall comply with the Construction and Demolition Waste Management Rules, 2016
13. The project proponent shall undertake the establishment only after getting the required Clearances form competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.

14. As proposed the project proponent shall install Solar Panel of ROHs standards for lighting within the project premises.

The Project Proponent has submitted reply / compliance to the above conditions, vide letter dated 22.09.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (iv), land reclamation, bunding or disturbing the natural course of seawater is prohibited except, required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sealink, road on stilts, and such as meant for defence and security purpose and for other facilities that are essential for activities permissible under this notification.
- Para 8(i) I CRZ-I (ii) (b), construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, erosion control measures, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA.
- Para 8(i) III CRZ-III A (iii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are permissible.
- Para 8(i) III CRZ-III A (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 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

- The proposal involves development of the ecotourism site into a sustainable ecotourism destination with the involvement of the local community.
- The TEC noted that, the proposal involves formation of walkways / pathways and parking facilities in the CRZ III (NDZ) area and therefore the pathways and parking areas may be planned with well interspersed spaces for percolation of water involving eco-friendly materials and to avoid concreting of the surfaces.

- The PP should maintain the tourism spot as pollution free zone including plastics to prevent coastal and marine ecosystem pollution.
- The PP should ensure that the tourism activity should not cause any impact on the nearby mangroves.
- The proponent may take measures to meet the energy requirement through solar energy or other renewable means.

With the above observations and remarks, the TEC recommended the proposal for consideration of the Authority.

Agenda Item No.7 Proposed upgradation of Pichavaram (Arignar Anna Tourism Complex maintained by TTDC) as major tourist destination at S.F.No.338/1 & 338/2 of Killai (South) Village, Chidambaram Taluk, Cuddalore district by the Managing Director, Tamil Nadu Tourism Development Corporation Ltd., Chennai (Single Window No.SW/146217/2023)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Cuddalore has forwarded a proposal received from Managing Director, Tamil Nadu Tourism Development Corporation Ltd., (TTDC), Chennai for the upgradation of Pichavaram (Arignar Anna Tourism Complex maintained by TTDC) as major tourist destination at S.F.No.338/1 & 338/2 of Killai (South) Village, Chidambaram Taluk, Cuddalore district. The project information and EIA report prepared by M/s. M/s. ABC Techno Labs India Pvt. Ltd., Chennai having NABET certificate valid upto 16.11.2025.

Need for the project

The Government, Tourism, Culture and Religious Endowments (T3-2) Department has issued orders for the upgradation of Pichavaram, Cuddalore district at a total cost of Rs.14.07 crores, vide G.O.(Ms.) No.25, Tourism, Culture and Religious Endowments (T3-2) Department, dated 12.01.2023.

The Project Proponent (TTDC) stated that the Pichavaram Tourist centre is present operated by them with the facility like a boat house, guest house, view tower and a restaurant. The domestic and foreign tourists arrival to Pichavaram was increasing and the past eight year data reveals that it had reached the peak of 2,45,766 and 865 of domestic and foreign visitors respectively. Therefore, the present facilities are insufficient during peak visiting period. Hence, the TTDC has proposed the refurbishing of eco-tourism centre with various facilities viz., construction of Visitors Centre, Deck, Boating Lounge, Roundabouts, etc., in landside and two floating boat jetties in the waterfront area.

Project description

Various activities of the proposal is given below.

Description	CRZ-Classification	Total Area in Sq.m
Project Site Boundary	CRZ- IA (50 m Mangrove Buffer Zone)	2881.89
	CRZ- II	17199.20
	Outside CRZ	1285.92
	Total	21327.00
Proposed structure	CRZ-II	10658.60
Area to be demolished	CRZ-II	420.00

- The proposed structures includes Visitor Centres, Verandah, Hotel Lobby, office building, boating lounge-1 & 2, Lounge, Toilet Block, Restaurant, Kitchen, Wash, Store, Cottage-5 Nos. Greenbelt, landscaping, parking and roundabout arrangements in CRZ-II having total built up area of 2998.53 sq.mtr.
- The details of the total built up area is given below.

Sl. No.	Building	Area in sq.m
1	Visitor Center Building - Ground Floor	1223.83
2	Visitor Center - First Floor	928.30
3	Boating lounge	281.20
4	Roundabout Arrangements (Arrival Plaza)	565.20
	Total	2998.53

- The Project Proponent stated that the existing compound wall is located all around the project area and existing bitumen road is located partly on the western side of the project area. The compound wall and bitumen road are the existing before the year 1991.

The works to be carried out for the proposed project are as below

- The entrance area of the center will be reconstructed to have an Entrance Plaza with a Roundabout, Bus bay & Shelter for the public transport vehicles to drop & pick up the tourists.

- The bus shelter will be placed outside the site boundary to segregate the vehicular and pedestrian traffic and keep the campus pedestrian-friendly.
- A grand entrance way is proposed with signage, security cabin in a sustainable architectural style.
- There will be a driveway which leads to the parking lot for Cars & two wheelers
- Mangrove Buffer Zone will be maintained as per the guidelines.

The proposed visitor's center comprises of two sections the boating facility and hotel:

- Boating Zone comprises of: Information Desk, Ticketing Counter, Admin Office, Waiting Lounge, Toilet Block, Deck and Floating Jetty.
- Hotel Block comprises of: Reception, Office, Restaurant, Bar & VIP Lounge,

Accommodation zone comprises of:

- Proposed view deck with Restaurant, bar and rooms.
- Renovated accommodation & Conference Hall & Cottages (during Phase II)
- Event space, Games area, Amphitheatre & Camp site (during Phase II)

In addition to the above said works, Landscaping all around the amenities & afforestation all around the site will be developed.

Location of the project

The proposal for upgradation of Pichavaram as major tourist destination at S.F.No.338/1 & 338/2 of Killai (South) Village, Chidambaram Taluk, Cuddalore district. The location of the proposed activities is as follows.

Description	Label	Latitude	Longitude
Project Site Boundary	A	11° 25' 58.392" N	79° 46' 49.170" E
	B	11° 25' 58.045" N	79° 46' 55.564" E
	C	11° 25' 54.996" N	79° 46' 56.123" E
	D	11° 25' 53.707" N	79° 46' 50.588" E
Proposed structures	E	11° 25' 58.332" N	79° 46' 50.030" E
	F	11° 25' 53.869" N	79° 46' 51.373" E
	G	11° 25' 55.526" N	79° 46' 56.123" E
	C	11° 25' 54.996" N	79° 46' 56.123" E
Area to be demolished	H	11° 25' 54.623" N	79° 46' 51.174" E
	I	11° 25' 54.053" N	79° 46' 52.062" E

Manpower requirement

Manpower requirement during construction is 300 Nos. and during operation phase is 25 Nos.

Water requirement

The water consumption during construction phase will be supplied through tankers based on the requirements. For domestic, water requirement would be 200 LPH.

Power Requirement

1 No. existing DG Set with 62 kVA capacity. Power supply is from TNEB - 60 kVA power supply / day (3 phase supply).

Solid Waste Management

The expected solid waste generated will be 260 kg/day. The generated waste will be disposed off by local municipality. Sewage water is disposed to septic tanks with the capacity of 40000 lit. supported by mobile STP (membrane based) with 40 m³/day capacity.

CRZ Classification and cost of the project

The total project site boundary is falling in CRZ-IA (50m mangrove buffer) and CRZ-II areas. However, the proposed activities are falling in CRZ-II area only. The total cost of the project is Rs.14.07 crores and the total land area is 5.27 Acres.

Recommendation of DCZMA of Cuddalore district

The proposal was placed before the DCZMA of Cuddalore district on 27.07.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

1. The Project Proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
2. Prior Planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and Para 8(i) II CRZ II (i), (ii) and (iii) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
3. The proposed construction shall not disturb the land and marine ecology.
4. The Proposed activity shall not interfere with the fishermen, Marine patrol & Public movements at any point of time. Also the fishing boats movement shall also not be hindered.
5. No ground water from Coastal Regulation Zone area shall be tapped for the project.
6. The project proponent shall treat the sewage through Sewage treatment plant of adequate and the treated water shall be used for green belt developed within the premises and the sludge generated shall be used as manure for green belt.
7. All the solid waste shall be handled as per the Solid waste Management Rules 2016.

8. The Project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
9. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
10. The construction shall be designed and constructed in accordance to the seismic factors applicable to moderate intensity zone.
11. The construction shall comply with the Construction and Demolition Waste Management Rules, 2016.
12. The project proponent shall undertake the establishment only after getting the required Clearance from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.
13. As proposed the project proponent shall install Solar Panel of ROHs standards for lighting within the project premises.

The Project Proponent has submitted reply / compliance to the above conditions, vide letter dated 26.09.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) Setting up of new industries and expansion of existing industries are prohibited activities, except, (a), those directly related to waterfront or directly needing foreshore facilities; (*Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like*).
- As per CRZ Notification 2011, vide Para 8 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 16th 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".
- Further, Annexure-III of the said Notification, the MoEF & CC, Govt. of India have 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 the MoEF & CC, Govt. of India.

- As the proposal is including construction of Restaurant and 5 Nos. of Cottages, hence the proposal may be recommended to MoEF & CC, Govt. of India.

Remarks of the Technical Expert Committee

- The Project Proponent has stated that all the proposed activities are only within the existing authorized structures which are falling in CRZ-II areas. The TEC scrutinized the certificate issued by Asst. Executive Engineer, Tamil Nadu Tourism Development Corporation, Trichy which states that existing compound wall constructed before 1991. However, no evidence viz., revenue records or otherwise was submitted by the Project Proponent for the said structure.
- The TEC noted that, the area proposed is frequently affected by cyclones and therefore it was suggested to incorporate the designs which could resist the cyclonic forces.
- The TEC noted that, the proposal involves formation of walkways / pathways and parking facilities only using the concrete materials instead of eco-friendly materials.
- The proposed construction of Cottages has been planned just adjoining the Creek and also the Reserve Forests. Therefore, the proponent is requested to furnish the remarks from the Forest Department since the project is located in the just vicinity of the Ramsar Site - Pichavaram Mangrove Forest. And also the proponent is request to submit the particulars on calculation of carrying capacity of the tourism site which is mainly under the control of forest department.
- The remarks of the District Forest Officer, Cuddalore is not categorically mentioned in the minutes of the DCZMA as the tourism operation is being carried out in and around the Mangrove Forests. The same may be obtained.
- It is brought to the knowledge of the TEC that, the PP has already executed the work in CRZ areas without getting approval from the competent authority. This is may be clarified before the TNSCZMA.

With the above remarks, the TEC suggested that, the project proponent shall clarify and submit the above particulars before TNSCZMA.

Agenda Item No.8 Proposed Beach Front Development at S.No. 241/5, Mudaliarkuppam Boathouse at Mudaliarkuppam Village, Cheyyur Taluk, Chengalpattu district Proposed by M/s. Tamil Nadu Tourism Development Corporation, Chennai

The District Environmental Engineer, TNPCB, Maraimalai Nagar has forwarded a proposal received from the Managing Director / DRO, Tamil Nadu Tourism Development Corporation, Chennai for the proposed Beach Front Development at S.No. 241/5, Mudaliarkuppam Boathouse at Mudaliarkuppam Village, Cheyyur Taluk, Chengalpattu district. The project information and EIA report prepared by M/s. ABC Techno Labs India Pvt. Ltd., Chennai having NABET certificate valid upto 16.11.2025.

Need for the project

The Mudaliarkuppam boat house is presently operated by TTDC with the facilities such as Restaurant, Ticket Counter, Community Hall, Parking, Washrooms, Jetty and dock area. The tourist counts during the year 2019-20 indicates that there were 41,088 domestic and 399 International Tourists. Hence, the present facilities are insufficient during peak visiting period. The tourists are allowed to access the nearby activities. In view of the above, the TTDC has proposed Beach Front Development at Mudaliarkuppam boat house with various facilities.

The Tourism, Culture and Religious Endowments Department has issued orders allotting a sum of Rs.1.20 crores to the said development activities based on the announcement made by the Hon'ble Minister for Tourism in the year 2021-22, vide G.O. (Ms.) No.85, Tourism, Culture and Religious Endowments (T3-2) Department, dated 31.03.2022.

Project description

The TTDC has proposed beach front development with the various facilities entirely falls under CRZ-III (NDZ) as follows.

Sl. No.	Name of the facilities	Area
1	Outdoor activities	465 Sq.m
2	Children Play area	280 Sq.m
3	Thatch Sitout	135 Sq.m
4	Prefab Restroom	50 Sq.m
5	Volley Ball Court	165 Sq.m
6	Volley Ball Court	165 Sq.m

The proposed development falls within the following CRZ classifications.

Description	CRZ Classification	Area in Sq.m	Total Area in Sq.m
Project Site Boundary	CRZ-IB	14608.56	40984.05
	CRZ-III (NDZ)	25250.98	
	CRZ-IVB	1124.51	
Proposed Facilities	CRZ-III A (NDZ)	2503.95 (Boundary Area) and 1260 (Facility area)	2503.95 (Boundary area)

The project site area of the proposed Mudaliarkuppam project is 40,984.05 Sq.m in which the proposed activities will be carried out in an area of 2503.95 Sq.m wherein the actual coverage area will be 1260 Sq.m.

Location of the project

The proposed project site is falling in Mudaliarkuppam Village, Chengalpattu district and the latitude is 12°19'55.84"N and longitude is 80°3'15.36"E.

Manpower requirement

For the proposed temporary structure, the employment potential during the construction phase will be average 50 workers per day and the operational phase 25 people is expected to generate employment.

Water requirement

Water consumption during construction phase will be supplied through tankers based on the requirement. For domestic, water requirement would be 7 m³/day.

Source of Electricity

The power requirement during construction phase will be met through DG Set and during operation phase will be met from TNEB.

Solid Waste

Domestic Solid Waste generation about 10 kg/day will be disposal through municipality. Sewage water is disposed to septic tanks with the capacity of 3000 litre.

Hon'ble NGT (SZ) orders

An Application No.15 of 2023 was filed by Thiru Kannappan and Thiru Panneer on the illegal construction of toilets, compound wall etc., along the banks of the estuary in the area

between the water body and the sea in S.No.241 of Mudaliyarkuppam Village, Chengalpattu district. The Hon'ble NGT has disposed the Application with a direction to the 3rd respondent (TTDC) to remove the construction made by the without any approval or proper clearance such as toilets and the compound wall etc., as per rules and regulations, vide order dated 28.04.2023

Accordingly, the TTDC has reported to Thiru A. Edwin Prabhakar, Spl. Govt. Pleader that the two toilet blocks was dismantled and the compound wall pile was removed and cleared away from the site, vide letter dated 28.06.2023, with photo evidence. The District Environmental Engineer, TNPCB, Maraimalai Nagar has also confirmed that the construction activities (two toilet blocks and compound wall pile) were removed by TTDC, vide their letter dated 13.09.2023.

CRZ Classification and cost of the project

The proposed site is falls in CRZ-IB (Intertidal Zone), CRZ-III (No Development Zone), CRZ-IVB and the total cost of the project is Rs.1.20 crore.

Recommendation of DCZMA of Chengalpattu district

The proposal was placed before the DCZMA of Chengalpattu district on 13.07.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

- a) No groundwater/sea water shall be extracted to meet with the water requirements during the construction and operational phase of the project. The project proponent shall make necessary arrangement for water supply through public / private Suppliers authorized by competent Authority.
- b) The proponent shall not construct any structures on the place of the seaside /shall not disturb the existing premises.
- c) All structures shall be disaster proof and shall be resilient to natural disasters like cyclones.
- d) The project shall prepare disaster management plan, risk assessment report with management plan and shall revise it regularly.
- e) Proper arrangements shall be made for disposal of solid wastes in compliance with the Solid Waste Management Rules, 2016 and there shall not be any dumping of solid waste in CRZ areas.
- f) No untreated waste water shall be discharged in the Coastal Regulation Zone.
- g) The sewage/sullage generated, collected shall be treated and disposed properly into septic tank and soak pit arrangement as proposed.

- h) All activities shall be in conformity with the provisions of the CRZ Notification, 2011.
- i) The project proponent should submit bi-annual report on the project progress to DCZMA.
- j) No storage reservoir for sea water shall be permitted.
- k) The project proponent shall establish only the proposed facility as proposed.

The Project Proponent has submitted reply / compliance to the above conditions, vide letter dated 29.09.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (xiii), Dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose, is prohibited activities.
- However, as per Para 8 III CRZ-III (iii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are the permissible activities in CRZ (No Development Zone) area.
- 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

- TEC suggested that, sand dunes situated nearby project site should not be disturbed
- TEC suggested that, all the areas of resting and relaxing with shelter and seating facilities should be not paved with any concrete; they should be kept sandy.
- The project proponent may use only eco-friendly materials for the upliftment of the tourism site.
- The proponent may take measures to meet the energy requirement through solar energy / renewable means.
- The PP should maintain the tourism spot as pollution free zone to prevent coastal and marine ecosystem pollution.

With the above observations and remarks, the TEC recommended the proposal for consideration of the Authority

Agenda Item No.9 Proposed Green Belt Development at Survey No. 71(pt) of Semmankuppam Village, Cuddalore Taluk, Cuddalore district of area 7,204 sq.m (1.78 acres) by the Managing Director, M/s. Chemplast Sanmar Limited, Chennai (Single Window No.SW/141741/2023)

The District Environmental Engineer, TNPCB, Cuddalore has forwarded a proposal received from the Managing Director, M/s. Chemplast Sanmar Limited, Chennai for the proposed Green Belt Development at Survey No. 71(pt) of Semmankuppam Village, Cuddalore Taluk, Cuddalore district of area 7,204 sq.m (1.78 acres). The project information and EMP report prepared by M/s. Eco Services India Pvt. Ltd., Chennai.32 having NABET certificate valid upto 02.04.2024.

Need for the project

M/s. Chemplast Sanmar Ltd., Cuddalore has stated that as an initiative to comply with the environmental standards they proposed to develop green belt adjacent to their manufacturing unit situated at Semmankuppam Village, Cuddalore Taluk and district.

It is also reported that the proposed green belt will capture fugitive emission from the nearby industries of SIPCOT areas. The site is being located in a SIPCOT region synergetic effect of several gaseous pollutants and particulates are expected and hence will have a positive impact on the environment.

Advantages of the project

The green belt proposed to be developed

- Enhances the landscape of the area.
- Acts as buffer or barrier between sources of pollution and the surrounding.
- Capture fugitive emissions and attenuate noise.
- Checks soil erosion.
- Provide possible habitats for birds and animals.

Project description

The proposed green belt is surrounded by 20m wide Nochikadu Main Road on the North, SIPCOT maintained Green Belt in the South, Chemplast Sanmar Limited proposed manufacturing Unit in the West and Vacant land in the East. The site is located in the SIPCOT Industrial Complex in Cuddalore. The project aims at mitigation of air pollutants

and attenuation of noise around the industry. Since, the site is located in an industrial complex the pollutant type includes gaseous pollutants and particulates.

Plant species identified for Green Belt Development

The Project Proponent has proposed to plant the following species for green belt development

S. No	Common Name	English Name	Scientific Name
Species suitable for Tamil Nadu			
1.	Vembu	Neem	Azadirachta Indica
2.	Aalamaram	Banyan	Ficus Benghalensis
3.	Arasamaram	Sacred Fig	Ficus Religiosa
4.	Aayamaram	Indian Elm	Holoptelea Intergrifolia
5.	Iluppai	Butter Tree	Madhuca Longifolia
6.	Maamara	Mango	Mangifera Indica
7.	Mahogany	Mahogany	Swietenia acrophylla
8.	Novalmaram	Jamun	Syzygium Cumini
9.	Puliyamaram	Tamarind	Tamarindus Indica
10.	Arjunamaram	Arjuna Tree	Terminalia Arjuna
Pollution Reducing Species			
11.	Purasu	Flame of the Forest	Butea Monosperma
12.	Naatu Vaadhumai	Indian Almond	Termindalia Catappa
13.	Poovarasu	Portia Tree	Thespesia Populnea
14.	Magizham	Spanish Cherry	Mimusops Elengi
15.	Vilvam	Bael	Aegle Marmelos
16.	Athimaram	Cluster Fig Tree	Ficus Glomerata
17.	Vatpalai Maram	Dyer's Oleander	Wrightia Tinctoria
18.	Koyyamaram	Guava	Psidium Guajava
19.	Eettimaram	India Rosewood	Dalbergia Lalifolia
Species Suitable for Coastal Areas			
20.	Panaimaram	Palmyrah	Borassus Flabellifer
21.	Thanneerkaai Maram	African Tulip Tree	Spathodea Campanulata

Total No. of trees: 1080

Location of the project

The proposed green belt development is located at Survey No. 71(pt) of Semmankuppam Village, Cuddalore Taluk, Cuddalore district. Geographical coordinates is 11° 39'3.81" N Latitude and 79° 44' 31.00" E Longitude.

Water requirement

The 25 KLD of water requirement for the Green Belt development and maintenance is sourced from the Desalination Plant of Chemplast Cuddalore Vinyls Ltd., located north of the proposed site.

CRZ Classification and cost of the project

The proposed site falls in CRZ-III (No Development Zone) and the total cost of the project is Rs.39 lakhs.

Recommendation of DCZMA of Cuddalore district

The proposal was placed before the DCZMA of Cuddalore district held on 10.08.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

- a) The Project Proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
- b) The proposed green belt development shall not disturb the land and marine ecology.
- c) No ground water from CRZ area shall be tapped for the project.
- d) All the solid waste shall be handled as per the Solid Waste Management Rules, 2016.
- e) The project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine)
- f) The Project Proponent shall undertake the establishment only after getting the required clearances from Competent authorities including the clearance under CRZ Notification, 2011 and other statutory clearances.

The Project Proponent has submitted the replies / compliance to the above conditions, vide letter dated 02.09.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 ((xiii), dressing or altering the sand dunes, hills, natural features including **landscape changes** for beautification, recreation and other such purpose is prohibited activities.
- However, as per Para 8 III CRZ-III (A), agriculture, horticulture, gardens, pasture, parks, play field, and forestry is permissible activities in CRZ-III (No Development Zone).

Remarks of the Technical Expert Committee

- The TEC noted that, the proposed activity is a permissible activity under CRZ Notification 2011. The proposal involves only planting of trees which would have no negative impact on the environment, rather it improves the green cover in the area and also helps in soil enrichment. The TEC suggested the project proponent to plant only native species, as committed in the project report. With the above observations and remarks, the TEC recommended the proposal for consideration of the Authority.

Agenda Item No.10 Proposed construction of new access cum diversion road with retaining wall from Agnitheertham to BSNL Office (136006R094) and 136006R095) in Rameswaram Municipality by the Commissioner, Rameswaram Municipality (Single Window No.SW/142162/2023)

The District Environmental Engineer, TNPCB, Ramanathapuram has forwarded a proposal received from the Commissioner of Rameswaram Municipality for the proposed construction of new access cum diversion road with retaining wall from Agnitheertham to BSNL Office (136006R094) and 136006R095) in Rameswaram Municipality. The project information and EIA report prepared by M/s. ABC Techno Labs India Pvt. Ltd., Chennai having NABET certificate valid extended upto 20.07.2023.

Need for the project

The Rameswaram Town witnesses a significant seasonal footfall with over 2000 vehicles passing per day. To alleviate traffic congestion and improve public movement around the Rameswaram Temple, there is a proposed project to construct a new bitumen road. This initiative aims to manage traffic during peak seasons in Rameswaram Town. The new road is planned to be built in the coastal area near the seashore, providing convenient access to Rameswaram Jetty for transporting goods and commodities.

Project description

Rameswaram Municipality has proposed road from Agnitheethram to Jetty Road to alleviate traffic congestion and improve public movement around the Rameswaram Temple, there is a proposed project to construct new bitumen road. The proposed facilities envisaged are as follows.

Sl. No.	Name of contents	Location of the proposed structure	Land area (Metre)	CRZ Classification Zone
1	Road	Agnitheertham to Jetty	1400	CRZ-IB and CRZ-II
2	Box Culvert	Bus route road	-	CRZ-IB, CRZ-II and CRZ-IVA
3	Retaining Wall	Seaside	910.75	CRZ-IB, CRZ-II and CRZ-IVA
4	Pedestrian Walkway	Agnitheertham to Jetty	1172.91	CRZ-IB, CRZ-II and CRZ-IVA

Road

1.4 km stretch of road made of bitumen is going to be constructed in order to reduce traffic congestion and enhance public transportation near Rameswaram temple. The road will have width of 7m and a thickness of 0.395m.

Box Culvert

A culvert is planned to be installed along the Agnitheertham to Jetty Road, spanning a distance of 31.5m. In order to facilitate proper drainage. The culvert will have a thickness of 0.30m and a breadth of 2.40m. The construction of the culvert will be carried out in three phases, concurrent with the road construction.

Retaining Wall

A retaining wall is being planned to safeguard the road against the sea, spanning a length of 1400m. It will be positioned on the seaside of the road with a width of 0.45m.

Pedestrian Walkway

A pedestrian walkway is planned to run parallel to the road along the seaside, spanning a length of 1400m. The walkway will have a width of 2.70m and pavement will be 0.10m thick. Additionally, a stainless-steel hand grill will be installed alongside the walkway to ensure safety.

Location of the project

Description	Label	Latitude	Longitude
PROPOSED ROAD	A	9° 17'15.996"N	79°19'13.630"E
	B	9° 17'13.961"N	79°19'10.240"E
	C	9° 17'10.990"N	79°19'4.640"E
	D	9° 17'9.064"N	79°18'58.496"E
	E	9° 17'4.986"N	79°18'55.893"E
	F	9° 16'58.806"N	79°18'53.863"E
	G	9° 16'53.760"N	79°18'47.166"E
PROPOSED PEDESTRIAN WALKWAY	H	9° 16'56.606"N	79°18'53.288"E
	I	9° 17'6.316"N	79°18'56.838"E
	J	9° 17'10.063"N	79°19'3.230"E
	K	9° 17'13.656"N	79°19'13.097"E
	L	9° 17'18.050"N	79°19'14.177"E
	M	9° 17'14.817"N	79°19'13.222"E

PROPOSED RETAINING WALL	N	9° 17'13.620"N	79°19'13.139"E
	O	9° 17'12.105"N	79°19'8.285"E
	P	9° 17'8.351"N	79°18'57.961"E
	Q	9° 16'56.574"N	79°18'53.330"E
PROPOSED BOX CULVERT	R	9° 17'0.008"N	79°18'54.158"E
	S	9° 17'1.651"N	79°18'54.619"E
	T	9° 17'11.173"N	79°19'5.856"E

CRZ Classification and cost of the project

The proposed site is falls in CRZ-IB (Intertidal Zone), CRZ-II and CRZ-IVA (water area) and the total cost of the project is Rs.24.80 crore.

Recommendation of DCZMA of Ramanathapuram district

The proposal was placed before the DCZMA of Ramanathapuram district on 13.07.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

- a) The Project Proponent shall ensure that there shall not be any damage to the marine aquatic animals due to proposed project.
- b) The construction debris and other type of waste shall not be disposed of into the CRZ areas.

The Project Proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 4(i)(f), construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, breakwater, groynes, erosion control measures are permissible activities.
- Para 8 (i) I CRZ-I (ii) (b), construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, erosion control measures, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserve after obtaining approval from concerned CZMA, is regulated activities.
- Para 8 (i) I CRZ-I (ii) (g), construction of transharbour, sealinks, roads on stilts or pillars without affecting the tidal flow of water is regulated activities.

- 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

- The TEC observed that the proposal involves considerable amount of area in the CRZ-IB i.e inter tidal zone and also CRZ IVA. It also involves the creation of embankments with of retaining wall to control erosion on the seaward side of the proposed road. The activity may disrupt wave dynamics, impacting adjoining areas. Therefore, the TEC suggested that, the proponent shall conduct the study on wave dynamics and the proposed design's impact on the adjoining seashore areas.
- The Project Proponent presented that, the road would benefit the fishermen communities, but it was noted that, there was a well-connected road to the Rameswaram fishing jetty located in the near vicinity which navigated the vehicles coming out of the fishing jetty to the outskirts of Rameswaram without having to impact on the tourist flow to the Rameswaram Temple. The project proponent should furnish the justification mentioning the need for the project and necessity to locate it exclusively in the CRZ area.
- The Project Proponent was requested to consider the proposed project keeping in mind the Master Plan for development of the Rameswaram Island. And therefore the proponent may be requested to present the same.

With the above observations and remarks, the TEC suggested for calling the above said details from the proponent and the same may be placed before the authority for consideration.

Agenda Item No.11: Proposed construction of Ice Plant Building & Storage in R.S. No.781/13 (p), Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district by Thiru B. Ancel, Ramanupthoor, Kanyakumari district- Resubmission

The District Environmental Engineer, TNPCB, Kanyakumari district has forwarded a proposal for the construction of Ice Plant Building & Storage in R.S. No.781/13 (p), Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district proposed by the Thiru B. Ancel, Ramanupthoor, Kanyakumari district, for Clearance under CRZ Notification 2011.

2) The total area of the site is 1052.22 sq.mtr with 218.70 sq.mtr. for ground floor and the open space for 833.52 sq.mtr. Hence the total built up area is 218.70 sq.mtr. The proposal has been placed before the DCZMA, Kanyakumari in 76th meeting held on 14.05.2018 and the authority has recommended the project to TNSCZMA after obtaining a report from the Sub. Collector, Padmanabhapuram regarding the possibility of any Law & Order issues in case the unit is permitted. The proposed project falls in CRZ-III as per the existing CZMP and now the project site falls in the CRZ-II as per the approved CZMP (Map No.5) prepared under CRZ Notification, 2011. The project is also on the landward side of the existing Colachel-Nagercoil State Highways. The total cost of the project is Rs.11.78 lakhs.

3) The Deputy Director, Town and Country Planning, Tirunelveli has informed that the proposed building plan satisfies the FSI, PC of Municipality Building Rules, as per the existing CZMP prepared under CRZ Notification, 1991, vide their letter dated 23.11.2017. The Sub. Collector, Padmanabhapuram, Kanyakumari district has informed that there is no possibility for the Law & Order issues in case if the unit is permitted, vide his letter dated 11.01.2019.

4) The DCZMA for Kanyakumari district has decided to recommend the proposal to SCZMA, with the following remarks, in the meeting held on 14.05.2018.

- i) The proposed site is classified as Wet Agricultural Land (Nanjai) as per the Sub. Collector, Padmanabhapuram letter dated 11.01.2019.
- ii) The proposed site is classified as residential plot as per the sale deed executed.

5) Further, the DCZMA for Kanyakumari district has again forwarded the proposal to SCZMA based on the latest CZMP, vide their meeting held on 05.09.2019 and instructed the applicant to obtain fresh report from the Sub. Collector, Padmanabapuram regarding the possibility of any Law & order issues in case if the Unit is permitted.

6) The Sub. Collector, Padmanapuram has stated that there is no possibility of any law and order issues, in case if the Unit is permitted, vide letter dated 02.02.2021. Further, the District Collector, Kanyakumari district has issued a letter to the Project Proponent for the construction of Ice Plant and stated that land situated in S.No.781/13, Lakshimpuram Village, Kalkulam tk., Kanyakumari district is "Waste Land", vide Proc. dated 12.06.2019.

Provisions as per CRZ Notification, 2011:

- As per CRZ Notification 2011, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities.
- No specific provisions are available for the construction of Ice Plant in the Para 8 (i) II CRZ-II of the said notification. However, vide Para 8(i) II CRZ II (i) & (ii) of the said notification, buildings shall be allowed on the landward side of the existing road or authorized structure.

Decision of TNSCZMA in 113th Meeting:

The Authority has resolved to form an Expert Committee for the proposals mentioned in the subject with the following members:

Chairman - Advisor, M/s. Care Earth Trust, Chennai

Member - Director, NCSCM

Member Convener - Joint Director, Fisheries Department, Kanyakumari

The committee was instructed to make field inspection to ascertain the following matters:

1. Whether the proposal addressed Zero liquid discharge facility.
2. Review on earlier clearances given under CRZ notification to other Ice Plants and its present status of functioning.

Accordingly, the Expert Members have visited the site on 01.09.2023 and submitted the report.

Agenda Item No.12 Proposed construction of Ice Plant Building & Storage in R.S. No.781/13 (p), 14, 15, 16B, Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district by the Thiru B. Gino, Ramanputhooor, Kanyakumari district- Resubmission

The District Environmental Engineer, TNPCB, Kanyakumari district has forwarded a proposal for the construction of Ice Plant Building & Storage in R.S. No.781/13 (p), 14, 15, 16B, Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district by the Thiru B. Gino, Ramanputhooor, Kanyakumari district, for Clearance under CRZ Notification 2011.

2) The total area of the site is 1123.04 sq.mtr with 218.70 sq.mtr. for ground floor and the open space for 904.34 sq.mtr. Hence, the total built up area is 218.70 sq.mtr. The proposal has been placed before the DCZMA, Kanyakumari in 76th meeting held on 14.05.2018 and the authority has recommended the project to TNSCZMA after obtaining a report from the Sub. Collector, Padmanabhapuram regarding the possibility of any Law & Order issues in case the unit is permitted. The proposed project falls in CRZ-III as per the existing CZMP and now the project site falls in the CRZ-II as per the approved CZMP (Map No.5) prepared under CRZ Notification, 2011. The project is also on the landward side of the existing Colachel-Nagercoil State Highways. The total cost of the project is Rs.11.78 lakhs.

3) The Deputy Director, Town and Country Planning, Tirunelveli has informed that the proposed building plan satisfies the FSI of Municipality Building Rules, as per the existing CZMP prepared under CRZ Notification, 1991, vide their letter dated 23.11.2017. The Sub. Collector, Padmanabhapuram, Kanyakumari district has informed that there is no possibility for the Law & Order issues in case if the unit is permitted, vide his letter dated 11.01.2019.

4) The DCZMA for Kanyakumari district has decided to recommend the proposal to SCZMA, with the following remarks, in the meeting held on 14.05.2018.

- i) The proposed site is classified as Wet Agricultural Land (Nanjai) as per the Sub. Collector, Padmanabhapuram letter dated 11.01.2019.
- ii) The proposed site is classified as residential plot as per the sale deed executed.

5) Further, the DCZMA for Kanyakumari district has again forwarded the proposal to SCZMA based on the latest CZMP, vide their meeting held on 05.09.2019 and instructed the applicant to obtain fresh report from the Sub. Collector, Padmanabapuram regarding the possibility of any Law & order issues in case if the Unit is permitted.

6) The Sub. Collector, Padmanapuram has stated that there is no possibility of any law and order issues, in case if the Unit is permitted, vide letter dated 02.02.2021. Further, the District Collector, Kanyakumari district has issued a letter to the Project Proponent for the construction of Ice Plant and stated that land situated in S.No.781/13(p), 14, 15 & 16B, Lakshimpuram Village, Kalkulam tk, Kanyakumari district is "Waste Land", vide Proc. dated 12.06.2019.

Provisions as per CRZ Notification, 2011:

- As per CRZ Notification 2011, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities.
- No specific provisions are available for the construction of Ice Plant in the Para 8 (i) II CRZ-II of the said notification. However, vide Para 8(i) II CRZ II (i) & (ii) of the said notification, buildings shall be allowed on the landward side of the existing road or authorized structure.

Decision of TNSCZMA in 113th Meeting:

The Authority has resolved to form an Expert Committee for the proposals mentioned in the subject with the following members:

Chairman - Advisor, M/s. Care Earth Trust, Chennai

Member - Director, NCSCM

Member Convener - Joint Director, Fisheries Department, Kanyakumari

The committee was instructed to make field inspection to ascertain the following matters:

3. Whether the proposal addressed Zero liquid discharge facility.
4. Review on earlier clearances given under CRZ notification to other Ice Plants and its present status of functioning.

Accordingly, the Expert Members have visited the site on 01.09.2023 and submitted the report.

Committee's Observations (Both Agenda Item No. 11 & 12)

- The proposed project site falls in the CRZ-II as per the approved CZMP (Map No.5) It is about 70M from the HTL and on the landward side of the Colachel-Nagercoil State Highways and located adjacent to a petrol bunk.
- Both the sites designated for the establishment of ice plants are currently vacant lands categorized as "waste land" (Tharisu) in the adangal records.
- The team conducted a visit to the neighboring Ice Plant operated by the Fisherman Federation to assess the presence of any wastewater discharge.
 - It was observed that there is no wastewater discharge from this Ice Plant, as the brine water utilized as a coolant is recycled, with additional salt added as needed.
 - Furthermore, fresh water for ice production is sourced through water tankers.
- To assess the current status of an ice manufacturing facility that had previously received approval from the SCZMA, an inspection was carried out at the ice plant owned by Thiru R. Thanumoorthy, located in S.No. 628/7A1, Kanniyakumari Village, Agastheeswaram Taluk, Kanniyakumari District. Dr. Bharathy, AEE, TNPCB, Kanyakumari District, accompanied the inspection team. This particular ice plant had obtained SCZMA approval on November 3, 2016, under reference number P1/1154/2016.
- The facility is currently operational and conveniently located near the fishing harbor. In comparison to the previously inspected Ice Plant under the Fisherman Federation, this plant is of smaller scale, including its ice box capacity, which is also smaller in size. Notably, there is no discharge of effluent as the brine water is efficiently recycled within this plant. Freshwater supply is secured through the use of water tankers for ice production. The plant employs eight laborers, with the majority of them hailing from Kolkata and Bihar. Clearly, this establishment plays a crucial role in supplying essential ice to the local fishermen.
- Based on the observations mentioned above, the Expert Committee suggests that the proposals submitted by Thiru B. Ancel for the construction of Ice Plants should be taken into consideration by the SCZMA.

Remarks of the Technical Expert Committee

- The TEC observed that, the proposed activity falls in the CRZ II areas and landward side of the existing road (Colachel-Nagercoil State Highway).
- The TEC has also noted the filed inspection report that recommended the proposal for consideration of SCZMA.

Agenda Item No.13 Representation on violation of CRZ areas - Construction of building at S.F.No.112, B. Mutlur Village, Bhuvanagiri Taluk, Cuddalore district without obtaining permission

One Thiru V. Ramesh, Kuchipalayam, Chakkankudi Post, Cuddalore district has sent a representation and stated that one unauthorized construction works is being carried out at S.No. 112, P. Mutlur Revenue Village, Bhuvanagiri Taluk, Cuddalore district.

The representation was forwarded to the District Collector / Chairman-DCZMA, Cuddalore district for taking action, vide this office letter No. P1/1758/2022, dated 29.08.2022. In response, to the said letter the District Collector, Cuddalore has informed in his letter dated 25.07.2023, that the building site was inspected by the TNPCB officials on 15.05.2023 and the following were noticed.

- a) The Building site is located in the northern bank of River Vellar and Eastern side of Chidambaram, B. Mutlur Bypass Road bridge.
- b) It was noticed that Thiru S. Ezhumalai, Theethampalayam Village is an owner of the building and the building is constructed for residential purpose.
- c) The building consists of G+2 Floors and the construction work is in progress.
- d) The building is located in the CRZ-III area as per the CRZ Notification, 2011.

The District Collector, Cuddalore has further stated that the said building is constructed in the CRZ-III (No Development Zone) which was not permissible activities as per the CRZ Notification, 2011 and recommended that the Director of Town and Country Planning may be directed to take necessary further action against the violation noticed as per Tamil Nadu Town & Country Planning Act, 1971.

In this connection, it is informed that MoEF & CC, Govt. of India has delegated powers to SCZMAs under Section 10 and Section 19 of the Environment (Protection) Act, 1986 respectively to take action against the CRZ Violations. The details of power delegation / empowering / authorizing are given below.

Sl. No.	Specified section under Environment (Protection) Act, 1986	Details of Section	Role of SCZMAs (as per provisions)
1	Section 10 Sub. Section (1)	Powers of entry and inspection Subject to provisions of this section, any person empowered by the Central Government in this behalf(*) shall have a right to enter, at all reasonable times with such assistance as he considers, necessary, any place	(*) The Central Government has empowered 64 persons listed in the in the Table No.S.O.83(E) published in the Gazette of India No.66 of dt. 16.02.1987 Now, in S.O.No.4648(E), MoEF & CC, GoI, dated 30.09.2022 have inserted the Chairman, Member Secretary, of all SCZMAs, as 65 th item in the Table.
2	Clause (a) of Section 19	Cognizance of offences No court shall take cognizance of any offence under this Act except on a complaint made by - (a) the Central Government or any authority or officer authorized in this on behalf by that Govt.	In S.O. No.638 (E), MoEF, GoI, dated 28.02.2014, the GoI authorized two authorities viz., SEIAA and Integrated Regional Offices. Now, in S.O. No.4649(E), MoEF & CC, dated 30.09.2022, the GoI inserted the SCZMAs to take action within the respective territorial jurisdiction.

The subject is placed before the Authority for issuing necessary directions to the Director of Town and Country Planning, for taking necessary action against the violation noticed as per Tamil Nadu Town & Country Planning Act, 1971.

Remarks of the Technical Expert Committee

- The TEC decided to place it before the Authority for further directions

Agenda Item No.14 Digging of natural sand in the seafront area being observed near M/s. Ideal Beach Resort, situated at Mamallapuram

It has been ascertained that there is digging of natural sand in the seafront area being observed near M/s. Ideal Beach Resort, situated at Mamallapuram.

As per CRZ Notification, 2011 Para 3 (xiii), dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose are prohibited activities.

Hence, the District Collector / Chairman-DCZMA, Chengalpattu district and the District Environmental Engineer, TNPCB, Maraimalai Nagar, Chengalpattu district have been requested to make site inspection and submit a report, vide this office letter No. P1/2326/2023, dated 04.09.2023.

The District Environmental Engineer, TNPCB, Maraimalai Nagar has submitted inspection report and stated that the Unit of M/s. Ideal Beach Resort, situated at SF No.14/3-A1, Mamallapuram Village, Thirukazhukundram Taluk, Chengalpattu district has obtained consent from the TNPCB vide Proc. No. F.1238MMN/OS/DEE/TNPCB/MMN/W&A/2016, dated 20.10.2016 for the activity of resort with rooms 68 Nos. restaurant with seating capacity of 100 nos. Bar with seating capacity of 20 Nos. and subsequently renewed vide Proc. Dated 19.05.2022 valid upto 31.03.2028. The Unit has furnished copy of letter addressed to the Executive Officer, Mamallapuram Town Panchayat from Member-Secretary, Mamallapuram Local Planning Authority (letter dated 05.12.2012) stating that CRZ Notification, 1991 is not applicable to the unit since it has been established prior to the issue of Notification.

Further, he submitted that during the inspection on 04/09/2023, it was found that the digging of natural sand in the seafront about 5ft depth excavated sand was dumped upto height of 10ft along the stretches about 126m (12° 38'53.19"N, 80° 12'26.57"E up to 12° 38' 56.97"N, 80° 12' 28.01"E) in their boundary at the backside and the said violation area falls in CRZ-IB as per approved CZMP maps., i.e. the area between Low Tide Line and High Tide Line under CRZ Notification, 2011 and approved CZMP.

In this connection, it is submitted that MoEF & CC, Govt. of India has delegated powers to SCZMAs under Section 10 and Section 19 of the Environment (Protection) Act, 1986 respectively to take action against the CRZ Violations. The details of power delegation / empowering / authorizing are given below.

Sl. No.	Specified section under Environment (Protection) Act, 1986	Details of Section	Role of SCZMAs (as per provisions)
1	Section 10 Sub. Section (1)	Powers of entry and inspection Subject to provisions of this section, any person empowered by the Central Government in this behalf(*) shall have a right to enter, at all reasonable times with such assistance as he considers, necessary, any place	(*) The Central Government has empowered 64 persons listed in the in the Table No.S.O.83(E) published in the Gazette of India No.66 of dt. 16.02.1987 Now, in S.O.No.4648(E), MoEF & CC, GoI, dated 30.09.2022 have inserted the Chairman, Member Secretary, of all SCZMAs, as 65 th item in the Table.
2	Clause (a) of Section 19	Cognizance of offences No court shall take cognizance of any offence under this Act except on a complaint made by - (a) the Central Government or any authority or officer authorized in this on behalf by that Govt.	In S.O. No.638 (E), MoEF, GoI, dated 28.02.2014, the GoI authorized two authorities viz., SEIAA and Integrated Regional Offices. Now, in S.O. No.4649(E), MoEF & CC, dated 30.09.2022, the GoI inserted the SCZMAs to take action within the respective territorial jurisdiction.

However, TNSCZMA cannot act alone but needs to work in tandem with DCZMA, in dealing with violation cases. The DCZMAs being regional bodies are the right authorities to verify any act of violation and to act against violators at their respective districts.

But DCZMAs, at present, are not able to effectively take action against violations due to absence of any power conferred upon them in this matter. The Govt. of India has also been requested to make provisions for delegation of the powers to DCZMAs to take action on the violations and the reply is awaited.

Remarks of the Technical Expert Committee

- The TEC decided to place it before the Authority for further directions.

Agenda Item No.15**Revision of Scrutiny fee for the proposal which requires Clearance under the CRZ Notification 2011-Resubmission**

The proposal for revision of scrutiny fee was earlier placed before the Authority in the 121st meeting held on 26.06.2023 and the Authority in principle accepted the proposal for enhancement of Scrutiny Fee, however it has suggested that the details of fee being collected by TNPCB may be studied for arriving at the various slabs for revising the scrutiny fee. Accordingly, the fee structure is obtained from TNPCB and compared as below.

Comparison between Scrutiny fee for CRZ and consent fee of TNPCB:

Scrutiny fee collecting by TNSCZMA				Consent Fee collected at TNPCB			
Sl. No	Project Cost	Scrutiny Fee as per 1998	No. of Proposals received (2019-2022)	Amount of Consent Fee (under Water Act, 1974 and Air Act,1981) (Rupees)	Red Category	Orange Category	Green Category
1	Below 5 Crores	50,000/-	22	Above Rs.1 Crore and upto Rs.5 crores	21800	17900	14200
2	Rs.5 crores and above but below 50 crores	2.00 lakhs	31	Above Rs.5 crores and upto Rs.10 crores	105/- per lakh	65/- per lakh	42/- per lakh
3	Rs.50 crore and above but below 100 crore	5.00 lakhs	9	Above Rs. 10 crores and upto Rs.50 crores	105000/- +40/-per lakh	65000/- +30/-per lakh	42000/- +12/- per lakh
4	Rs.100 crore and above but below 500 crore	10.00 lakhs	8	Above Rs.50 crores and upto Rs.100 crores	265000/- +23/-per lakh	185000/- +15/- per lakh	90000/- +12/-per lakh
5	Rs.500 crore and above	20.00 lakhs	9	Above Rs.100 crores and upto Rs.1000 crores	380000/- +5/- per lakh	260000/- +4/- per lakh	150000/- +3/- per lakh
6				Above 1000 crore	830000/- +3/- per lakh (Maximum 31 lakh)	620000/- +2/- per lakh (Maximum 23 lakh)	420000/- +1/- per lakh (Maximum 8 lakh)

The Authority may consider to approve the following revised fee structure already proposed.

<u>Project cost</u>	<u>Scrutiny fee (Rs.)</u>
Below Rs.1.00 crore	10,000/-
Rs.1 crore and above but below 3 crore	20,000/-
Rs.3 crore and above but below 5 crore	50,000/-
Rs.5 crore and above but below 25 crore	2.00 lakhs.
Rs.25 crore and above but below 50 crore	5.00 lakhs
Rs.50 crore and above but below 100 crore	10.00 lakhs
Rs.100 crore and above but below 500 crore	20.00 lakhs
Rs.500 crore and above	40.00 lakhs

Agenda Item No.16 Any other subject with the permission of the Chair

Sd./- xxxx
Thiru Deepak S. Bilgi, I.F.S.,
Member Secretary,
Tamil Nadu State Coastal Zone
Management Authority &
Director, Department of Environment &
Climate Change,
Chennai - 15.

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 &
Forests Department,
Secretariat, Chennai-9.

**MINUTES OF THE 122nd MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 09.11.2023**

The Chairperson welcomed the members of SCZMA, for the 122nd meeting of the SCZMA.

Agenda Item No. 01: Confirmation of the minutes of the 121st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.06.2023

The minutes of the 121st meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.06.2023, communicated to the Members of the Authority in letter No. P1/1950/2021 dated 20.07.2023 of the Director of Environment & Climate change, was confirmed.

Agenda Item No.02: The action taken on the decisions of 121st meeting of the Authority held on 26.06.2023

The Member Secretary briefed the Members about the action taken by the Department of Environment and Climate Change on the decisions made during the 121st meeting held on 26.06.2023, which was noted down by the members.

Agenda Item No.3 Proposed development of Desalination Plants of 2 MGD SWRO at NDDP and 2 MLD MED at MAPS, DAE Complex, Kalpakkam, Chengalpattu district by M/s. Bhabha Atomic Research Centre (BARC), Kalpakkam, Chengalpattu district (Single Window No.SW/140467/2023)

Project Cost: Rs.240 crore

CRZ Classification:

The project falls in the following CRZ areas, CRZ-IIIA (No Development Zone), CRZ-IIIB (200m to 500m from HTL) and CRZ-IVB.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Chengalpattu district in the meeting held on 13.07.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions in CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (i)(c), facilities for generating power by non-conventional energy sources and setting up of desalination plants in the areas not classified as CRZ-I(A), based on an Impact Assessment Study including social impacts, is permissible.
- Para 8 III A (iii), (h) and Para 8 III B (v), Foreshore facilities for desalination plants and associated facilities are permissible activities.
- Para 4 (ii), (d), laying of pipelines, conveying system, transmission line is permissible and Para 4 (ii) (f), foreshore requiring facilities for transport of raw materials, facilities for intake of cooling water and outfall for discharge of treated wastewater or cooling water from thermal power plant are permissible and shall require clearance from MoEF & CC, Govt. of India after being recommended by the concerned SCZMA.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to MoEF& CC, Govt. of India, with the following conditions.

- 1) The Authority suggested that a monitoring device for regularly monitoring the levels of temperature and salinity should be installed at the Desalination Plant which could be connected to Air Care Centre of TNPCB. This will ensure that existing SOP for desalination plants is followed scrupulously.
- 2) Rainwater Harvesting structure to be installed at the premises to control and arrest salinity intrusion.
- 3) Freshwater generated from the Desalination Plant must be supplied to at least ten villages in the vicinity of the project as a part of social responsibility.
- 4) The existing environmental team shall monitor the outfall of the waste water (brine) discharge from the proposed desalination plant regularly.
- 5) Periodical analysis of the wastewater generated shall be done through TNPCB/NABL Accredited laboratory.

- 6) Tree plantation of mangroves shall be carried out as mitigation measure of marine environment and to monitor the existing mangrove in and around the project premises.
- 7) The project proponent shall obtain all necessary clearances from the concerned authorities before establishment of the project activity.
- 8) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- 9) No groundwater/sea water shall be extracted to meet with the water requirements during the construction phase of the project.
- 10) The proponent shall not construct any structures on the place of the seaside/shall not disturb the existing premises.
- 11) All structures shall be disaster proof and shall be resilient to natural disasters like cyclones.
- 12) Proper arrangements shall be made for disposal of solid wastes in compliance with the Solid Waste Management Rules, 2016 and there shall not be any dumping of solid waste in CRZ areas.
- 13) The proposed activities should not causes coastal erosion.
- 14) The waste water generated from the proposed Desalination plant shall meet out the discharge standards stipulated for the Marine coastal areas.
- 15) The project activity should not affect the coastal ecosystem including marine flora and fauna.
- 16) The proponent should ensure that the saline water shall not gain access into ground while conveying or processing the sea water.
- 17) Marine water quality should be monitored at the outfall area every quarter and results sent to DCZMA.
- 18) The activities such as sea water intake pipeline and outfall line should not cause hindrance to ecosystem including marine flora and fauna.
- 19) The Residual Chlorine should be checked regularly, as instructed by Technical Expert Committee.
- 20) The Project proponent may contribute 0.25% on total project cost to EMAT, for carrying out environmental related activities.

**Agenda Item No.4 Capacity augmentation of existing operational Marine Liquid Terminal from 3 MMTPA to 6 MMTPA at Kamarajar Port proposed by M/s. Ennore Tank Terminal Pvt. Ltd., Chennai
(Single Window No.SW/142238/2023)**

Project Cost: Rs.1.64 crore

CRZ Classification:

The project falls in the following CRZ areas, CRZ-III, CRZ-III (NDZ) and CRZ-IVA areas.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA. The SCZMA examined the recommendation of the DCZMA of Tiruvallur district in the meeting held on 06.04.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions in CRZ Notification, 2011

- Para 8 (i) CRZ-I (i) (b), pipeline, conveying system including transmission line is permissible activities.
- Para 8 (i) II CRZ-II, (iv), Para 8 III CRZ-III A (iii) (e) and Para 8 III CRZ-III B (ii), facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II, is permissible activities.
- However, as per existing clearances issued by MoEF & CC, GoI, the Proponent should obtain Clearance from MoEF & CC, GoI for the proposed modification.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to MoEF& CC, Govt. of India, with the following conditions.

1. The Environment Management Plan should comprise the details for the cases of Oil spilling and any other disasters while handling the enhanced capacity from 3 MMTA to 6 MMTA.
2. As per proposal, the Project Proponent shall ensure that no new infrastructure shall be established for the proposed augmentation, except for the modifications in the available infrastructure, such as modification in the common manifold to facilitate simultaneous discharge, modification in the 16" dock line to receive Motor Spirit from vessel and modification of 8" SS Dock Line for inline berthing of Chemical Vessel with POL Vessels.

3. All the recommendation of the Environmental Management Plan shall be implemented.
4. All the recommendations of the Risk Assessment Study shall be followed.
5. The On-site Emergency Response Plan and the Off-site Emergency Response Plans shall be revisited, taking into account the changes envisaged in view of the proposed augmentation.

Agenda Item No.5 CRZ Clearance received for the proposed construction of Deficient Married Accommodation at Coast Guard Residential Area (CGRA) in Mullakadu Village, Thoothukudi Taluk, Thoothukudi district (Single Window No.SW/139678/2023)

Project Cost Rs.64.88 crores

CRZ Classification: The project falls in **CRZ-II** area

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended for placing proposal before the TNSCZMA with condition that, the proponent has to justify the claim that the project is of strategic importance.

The SCZMA examined the recommendation of the DCZMA of Thoothukudi district in the meeting held on 25.02.2022 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions in CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 8 (i) II CRZ-II, (i), buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; The DCZMA has stated that the proposed activity is landward side of the existing Watch Tower which was constructed in the year 2016.
{The word [existing, used] in relation to existence of various features or existence of regularisation or norms shall mean existence of these features or regularisation or norms as on 19.2.1991 [when the CRZ notification, 1991 was notified.]. Hence, the provision was not applicable to the project.

- However, the Project Proponent has stated that the Coastal Guard has involved in the inescapable surveillance of coastline for enhanced protection for the fishermen who are distressed at sea.
- As per Para 4 (ii) (b) construction activities relating to projects of Department of Atomic Energy or Defence requirements for which foreshore facilities are essential such as, slipways, jetties, wharves, quays; except for classified operational component of defence projects. Residential buildings, office buildings, hospital complexes, workshops of strategic and defence projects in terms of EIA notification, 2006, are permissible and requires clearance from MoEF & CC, Govt. of India after being recommend by the concerned SCZMA.

Decision / Remarks of TNSCZMA

- The Authority raised query on the strategic importance of the project and requested the proponent to justify appropriately.
- The proposed proposal on construction is a G+10 structures. Hence the authority concluded that the project proponent will not be able to conform to the requirements of the Town and Country Planning Rules in order to obtain planning permission. Therefore, the authority opined that, the project proponent may examine the mandatory provisions as per CRZ Notification, 2011 and to consult with the local planning authority i.e. Department of Town and Country Planning whether the proposed project is satisfying the Town and Country Planning Rules.
- It was noticed that there was no existing authorized structure prior to 1991 as mandated by CRZ Notification, 2011 to carry out construction on the landward side of the existing authorized structure.
- After confirming the above, the proposal may be resubmitted in accordance with the provisions of CRZ Notification, 2011.

Agenda Item No.6 Proposed development of Muthukuda Beach as Tourism Destination at S.F.No.85/25, Nattanipurasakkudi Part-II Village, Avudyarkovil Taluk, Pudukottai district by the Managing Director, Tamil Nadu Tourism Development Corporation Ltd., Chennai (Single Window No.SW/146208/2023)

Project Cost Rs.3.06 crores

CRZ Classification: The total project site falls in the following CRZ areas, CRZ-IA (50m mangrove buffer), CRZ-IB (Inter-tidal Zone), CRZ-III (No Development Zone), CRZ-IVB (Water area)

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Pudukottai district in the meeting held on 11.08.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (iv), land reclamation, bunding or disturbing the natural course of seawater is prohibited except, required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sealink, road on stilts, and such as meant for defence and security purpose and for other facilities that are essential for activities permissible under this notification.
- Para 8(i) I CRZ-I (ii) (b), construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, erosion control measures, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA.
- Para 8(i) III CRZ-III A (iii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are permissible.
- Para 8(i) III CRZ-III A (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 Para 4(i) and 4.2. (ii)(c) of the said Notification, the proposal may be recommended to SEIAA, for issuing Clearance.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to SEIAA for issuing CRZ Clearance, with the following conditions.

- The proponent must ensure that ecofriendly construction materials such as recycled wooden planks to be used for pathways to maintain negative carbon footprint at the project site. Care should be taken to avoid any type of concretization of the site.
- The proponent may look into the possibility of using wooden jetty instead of floating fiber jetty which was mentioned in the original proposal
- The proposed construction should not disturb the land and marine ecology.
- The proposed activity should not interfere with the fishermen, Marine patrol & Public movement at any point of time. Also the fishing boats movement shall also not be hindered.
- The proposed activity should not cause any hindrance to the Mangrove Forest located 70 m away from the proposed project site.
- No ground water from Coastal Regulation Zone area shall be tapped for the proposed project.
- The project proponent shall provide bio-toilet with leach pit arrangement for the treatment and disposal of sewage generated
- All the solid waste generated from the proposed activity shall be handled as per the Solid Waste Management Rules 2016.
- The proposed project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
- The project proponent shall comply with the Environmental Management Plan both during construction and operational phases.
- The proposed construction shall comply with the Construction and Demolition Waste Management Rules, 2016
- The project proponent shall undertake the establishment only after getting the required Clearances form the competent authorities.
- As proposed, the project proponent shall install Solar Panel of ROHs standards for lighting within the project premises.

Agenda Item No.7 **Proposed upgradation of Pichavaram (Arignar Anna Tourism Complex maintained by TTDC) as major tourist destination at S.F.No.338/1 & 338/2 of Killai (South) Village, Chidambaram Taluk, Cuddalore district by the Managing Director, Tamil Nadu Tourism Development Corporation Ltd., Chennai (Single Window No.SW/146217/2023)**

Project Cost Rs.14.07 crores

CRZ Classification:

The total project site boundary is falling in CRZ-IA (50m mangrove buffer) and CRZ-II areas. However, the proposed activities are falling in CRZ-II area only.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has raised certain remarks for the consideration of the TNSCZMA and recommended for seeking additional particulars.

The SCZMA examined the recommendation of the DCZMA of Cuddalore district in the meeting held on 27.07.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions in the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) Setting up of new industries and expansion of existing industries are prohibited activities, except, (a), those directly related to waterfront or directly needing foreshore facilities; (*Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like*).
- As per CRZ Notification 2011, vide Para 8 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 16th 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".
- Further, Annexure-III of the said Notification, the MoEF & CC, Govt. of India have 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 the MoEF & CC, Govt. of India.
- As the proposal is including construction of Restaurant and 5 Nos. of Cottages, hence the proposal needs clearance from MoEF & CC, Govt. of India.

Decision / Remarks of TNSCZMA

- The Project Proponent clarified before the Authority that as noticed by TEC, no major permanent construction activity has been carried out at the project site, except for the laying of the pathways.
- The Authority noticed that the existing design obstructs the aesthetic and scenic view of the mangroves as 'Pichavaram Mangroves' which has been recognized as Ramsar site for conserving this unique pristine Mangrove ecosystem. Hence the proponent could re-orient and redesign the existing design so as not to obstruct the view of Mangroves.
- It was decided that the Technical Expert Committee may carry out a field visit to ascertain the status of the proposal and to submit a report.
- After receipt of field inspection and redesign from the Proponent, the proposal may be resubmitted before the Authority.

Agenda Item No.8 Proposed Beach Front Development at S.No. 241/5, Mudaliarkuppam Boathouse at Mudaliarkuppam Village, Cheyyur Taluk, Chengalpattu district Proposed by M/s. Tamil Nadu Tourism Development Corporation, Chennai

Project Cost Rs.1.20 crores

CRZ Classification:

The project site falls in the following CRZ areas, CRZ-IB (Intertidal Zone), CRZ-III (No Development Zone), CRZ-IVB.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Chengalpattu district in the meeting held on 13.07.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions in the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.

- Para 3 (xiii), Dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose, is prohibited activities.
- However, as per Para 8 III CRZ-III (iii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are the permissible activities in CRZ (No Development Zone) area.
- As per Para 4(i) and 4.2 (ii)(c) of the said Notification, the proposal may be recommended to SEIAA, for issuing Clearance.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to SEIAA for issuing CRZ Clearance, with the following conditions.

- The Proponent should take utmost care not to disturb existing mangroves in the vicinity of the project.
- The proponent should ensure that only ecofriendly materials are to be used in the construction of temporary structures and no concrete permanent structures should be laid except for making seating arrangements without concretization of the sandy floor.
- No groundwater/sea water shall be extracted to meet with the water requirements during the construction and operational phase of the project. The project proponent shall make necessary arrangement for water supply through public / private Suppliers authorized by competent Authority.
- The proponent shall not construct any structures on the place of the seaside /shall not disturb the existing premises.
- All structures shall be disaster proof and shall be resilient to natural disasters like cyclones.
- Proper arrangements shall be made for disposal of solid wastes in compliance with the Solid Waste Management Rules, 2016 and there shall not be any dumping of solid waste in CRZ areas.
- No untreated waste water shall be discharged in the Coastal Regulation Zone.
- The sewage/sullage generated, collected shall be treated and disposed properly into septic tank and soak pit arrangement as proposed.
- The project proponent should submit bi-annual report on the project progress to DCZMA.
- No storage reservoir for sea water shall be permitted.
- The project proponent shall establish only the proposed facility as proposed.

**Agenda Item No.9 Proposed Green Belt Development at Survey No. 71(pt) of Semmankuppam Village, Cuddalore Taluk, Cuddalore district of area 7,204 sq.m (1.78 acres) by the Managing Director, M/s. Chemplast Sanmar Limited, Chennai
(Single Window No.SW/141741/2023)**

Project Cost Rs.39 lakhs

CRZ Classification:

The project site falls in the following CRZ areas, CRZ-III (No Development Zone)

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Cuddalore district in the meeting held on 10.08.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 ((xiii), dressing or altering the sand dunes, hills, natural features including **landscape changes** for beautification, recreation and other such purpose is prohibited activities.
- However, as per Para 8 III CRZ-III (A), agriculture, horticulture, gardens, pasture, parks, play field, and forestry is permissible activities in CRZ-III (No Development Zone).

Decision / Remarks of TNSCZMA

The Authority decided to recommend the proposal with the following conditions.

- The Proponent should ensure that suitable native tree species are planted in consultation with the forest department.
- There should not be any withdrawal of ground water in CRZ area for watering the plantation.

Agenda Item No.10 Proposed construction of new access cum diversion road with retaining wall from Agnitheertham to BSNL Office (136006R094) and 136006R095) in Rameswaram Municipality by the Commissioner, Rameswaram Municipality (Single Window No.SW/142162/2023)

Project Cost Rs.24.80 crores

CRZ Classification:

The project site falls in the following CRZ areas, CRZ-IB (Intertidal Zone), CRZ-II and CRZ-IVA (water area)

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Ramanathapuram district in the meeting held on 13.07.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 4(i)(f), construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, breakwater, groynes, erosion control measures are permissible activities.
- Para 8 (i) I CRZ-I (ii) (b), construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, jetties, erosion control measures, water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserve after obtaining approval from concerned CZMA, is regulated activities.
- Para 8 (i) I CRZ-I (ii) (g), construction of transharbour, sealinks, roads on stilts or pillars without affecting the tidal flow of water is regulated activities.

Decision / Remarks of TNSCZMA

As suggested by the Technical Expert Committee, the proponent has informed the Authority that action is being taken to conduct the study on Wave Dynamics and the

proposed design's impact on the adjoining seashore areas. Hence it was requested to permit the proponent to place the proposal in the next meeting. Authority noted the request made by the proponent.

Agenda Item No.11: Proposed construction of Ice Plant Building & Storage in R.S. No.781/13 (p), Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district by Thiru B. Ancel, Ramanputhooor, Kanyakumari district- Resubmission

Project Cost Rs.11.78 lakhs

CRZ Classification:

The project site falls in the CRZ-II area.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Kanyakumari district in the meeting held on 14.05.2018.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification 2011, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities.
- Vide Para 8(i) II CRZ II (i) & (ii) of the said notification, buildings shall be allowed on the landward side of the existing road or authorized structure.
- As per the Para 4 (i) (d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to concerned Local Planning Authority for issuing CRZ Clearance, with the following conditions.

1. The Project Proponent should ensure that the entire construction activity will be established as proposed.
2. The proposed construction should confirm 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.

3. The unit shall ensure the adequate safety precautions are provided for handling ammonia in the proposed ice plant.
4. All the solid waste shall be handled as per the Solid Waste Management Rules 2016.
5. Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011 on the landward side of the existing road.
6. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018.
7. Any Hazardous waste generated during construction/operation phase shall be disposed off as per applicable rules and norms with necessary approvals of the TNPCB.
8. 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.
9. No ground water from Coastal regulation zone area shall be tapped for the project.
10. Necessary green belt of native species shall be developed along the project area to improve the air environment.
11. 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.

Agenda Item No.12 Proposed construction of Ice Plant Building & Storage in R.S. No.781/13 (p), 14, 15, 16B, Lakshmipuram Village, at Kottilpadu, Kallukottam Town Panchayat, Kalkulam Taluk, Kanyakumari district by the Thiru B. Gino, Ramanputhooor, Kanyakumari district- Resubmission

Project Cost Rs.11.78 lakhs

CRZ Classification:

The project site falls in the CRZ-II area.

The SCZMA had referred the remarks / comments of the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has recommended the proposal to the TNSCZMA.

The SCZMA examined the recommendation of the DCZMA of Kanyakumari district in the meeting held on 14.05.2018.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification 2011, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities.
- Vide Para 8(i) II CRZ II (i) & (ii) of the said notification, buildings shall be allowed on the landward side of the existing road or authorized structure.
- As per the Para 4 (i) (d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the project to concerned Local Planning Authority for issuing CRZ Clearance, with the following conditions.

1. The Project Proponent should ensure that the entire construction activity will be established as proposed.
2. The proposed construction should confirm 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.
3. The unit shall ensure the adequate safety precautions are provided for handling ammonia in the proposed ice plant.
4. All the solid waste shall be handled as per the Solid Waste Management Rules 2016.
5. Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011 on the landward side of the existing road.
6. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018.
7. Any Hazardous waste generated during construction/operation phase shall be disposed off as per applicable rules and norms with necessary approvals of the TNPCB.
8. 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.
9. No ground water from Coastal regulation zone area shall be tapped for the project.
10. Necessary green belt of native species shall be developed along the project area to improve the air environment.

11. 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.

Agenda Item No.13 Representation on violation of CRZ areas - Construction of building at S.F.No.112, B. Mutlur Village, Bhuvanagiri Taluk, Cuddalore district without obtaining permission

The Authority noted the report of the District Collector that the said building is constructed in the CRZ-III (No Development Zone) which is a not permissible activity as per the CRZ Notification, 2011. Hence, the Authority has decided the following,

- The Authority decided that, the Member Secretary, TNSCZMA shall take necessary steps to issue show cause notice to the concern.

Agenda Item No.14 Digging of natural sand in the seafront area being observed near M/s. Ideal Beach Resort, situated at Mamallapuram

The Authority note down the report of the District Environmental Engineer, TNPCB, Maraimalai Nagar, Chengalpattu district. Hence, the Authority has decided the following

- The Authority decided that, the Member Secretary, TNSCZMA shall take necessary steps to issue show cause notice to the concern.

Agenda Item No.15 Revision of Scrutiny fee for the proposal which requires Clearance under the CRZ Notification 2011-Resubmission

The Authority accepted the proposed revision of scrutiny fee as requested by the Member-Secretary, TNSCZMA as below.

<u>Project cost</u>	<u>Scrutiny fee (Rs.)</u>
Below Rs.1.00 crore	10,000/-
Rs.1 crore and above but below 3 crore	20,000/-
Rs.3 crore and above but below 5 crore	50,000/-
Rs.5 crore and above but below 25 crore	2.00 lakhs.
Rs.25 crore and above but below 50 crore	5.00 lakhs
Rs.50 crore and above but below 100 crore	10.00 lakhs
Rs.100 crore and above but below 500 crore	20.00 lakhs
Rs.500 crore and above	40.00 lakhs

Agenda Item No.16 : Additional Agenda Points

1. Utilisation of the Coastal Zone Development Fund:

The Authority felt that the Coastal Zone Development Fund could be used to Coastal conservation projects, workshops for various stakeholders for creating awareness on the provisions of CRZ Notifications etc., and suggested that gadgets to the expert members, Member-Secretary and to the Chairperson may be provided for attending the meetings depending on the necessity.

2. Strengthening the District Coastal Zone Management Authorities:

In order to strengthen the regional level co-ordination to the TNSCZMA and also to enhance the capabilities of the DCZMA, the Authority decided to engage one Technical Staff (on temporary contract basis) to assist the District Environmental Engineers to all the DCZMAs for all CRZ related activities in all 14 districts. The remuneration to the said staff shall be paid as per the Scheduled Rate of Labour as per the prevailing PWD-SSR for Technical Assistant Grade-II, which works to be around Rs.31,000/- per month.

3. Status of Coastal Zone Management Plan Preparation:

Authority had a discussion on the current status of preparation of draft CZMP and land use maps and the need for expediting the process. The Authority noted that, the requested data based on the stakeholders meeting at District level were yet to be received from certain districts because of which the process of updating the CZMP with NCSCM is delayed and therefore suggested to highlight the issue in the forthcoming Chief Secretary's weekly review meeting with District Collectors.

4. Use of Digital technology to monitor the CRZ Violations:

Member Secretary suggested that, on experimental basis the software available to process the images to identify the landuse change on a spatio-temporal basis which are available could be used to process satellite images in order to identify or monitor the violation digitally. The Authority accepted the proposal and suggested to explore to engage the GIS cell of Department of Environment and Climate Change. The funds available under the Coastal Zone Development Fund may be utilized for the said work.

Sd./- xxxx

**Thiru Deepak S. Bilgi, I.F.S.,
Member Secretary,
Tamil Nadu State Coastal Zone
Management Authority &
Director, Department of Environment &
Climate Change,
Chennai - 15.**

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.**