

123rd MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 23.02.2024 (Friday)

Time: 12.00 Noon

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 122nd meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.11.2023

The 122nd meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 09.11.2023 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1950/2021 dated 28.11.2023.

Agenda Item No.02: The action taken on the decisions of 122nd meeting of the Authority held on 09.11.2023

Sl. No.	Subject	Action taken
01	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	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/1795/2023, dated 28.11.2023. Accordingly, the E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 8461/EC.3/2023-1, dated 22.12.2023.

02	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	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No. P1/896/2023, dated 28.11.2023. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 8460/EC.3/2023-1, dated 31.12.2023.
03	Proposed construction of Deficient Married Accommodation at Coast Guard Residential Area (CGRA) in Mullakadu Village, Thoothukudi Taluk, Thoothukudi district	As resolved by the Authority, the PP has been requested to justify strategic importance of the project and to clarify whether the proposal satisfy the Town & Country Planning Rules, vide letter No. P1/537/2022, dated 28.11.2023. The PP submitted replies and the same is placed as Agenda Item No.13 .
04	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	As resolved by the Authority, the proposal has been recommended to SEIAA, for issuing Clearance, vide this office letter No. P1/2228/2023, dated 28.11.2023.
05	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	As resolved by the Authority, the PP has been requested to modify the design, vide letter No. P1/2147/2023, dated 28.11.2023. The Authority has also suggested that TEC may carryout the field visit. The PP has submitted the redesign of the proposal and same is placed as Agenda Item No.09.
06	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	As resolved by the Authority, the proposal has been recommended to SEIAA, for issuing Clearance, vide this office letter No. P1/1796/2023, dated 28.11.2023.

07	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	As resolved by the Authority, the proposal has been recommended to Local Planning Authority, Cuddalore, for issuing Clearance, vide this office letter No. P1/2227/2023, dated 12.12.2023.
08	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	The PP has informed that action is being taken to conduct the study on Wave Dynamics and the proposed design's impact on the adjoining seashore areas and requested to place the proposal in next meeting. However, the PP has not submitted the said study, till date.
09	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 the Thiru B. Ancel, Ramanputhooor, Kanyakumari district	As resolved by the Authority, the proposal has been recommended to DTCP, for issuing Clearance, vide this office letter No. P1/707/2019, dated 28.11.2023
10	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	As resolved by the Authority, the proposal has been recommended to DTCP, for issuing Clearance, vide this office letter No. P1/708/2019, dated 28.11.2023
11	Representation on violation of CRZ areas - Construction of building at S.F.No.112, B. Mutlur Village, Bhuvanagiri Taluk, Cuddalore district without obtaining permission	As resolved by the Authority, a Show Cause Notice has been issued to the concern, vide letter P1/1758/2022, dated 08.01.2024.
12	Digging of natural sand in the seafront area being observed near M/s. Ideal Beach Resort situated at Mamallapuram	As resolved by the Authority, a Show Cause Notice has been issued to the concern, vide letter P1/2326/2023, dated 05.02.2024
13	Revision of Scrutiny fee for the proposal which requires Clearance under the CRZ Notification 2011	As resolved by the Authority, a proposal has been sent to Government, for issuing orders for revision of scrutiny fee, vide this office letter No. P1/2229/2016, dated 12.12.2023. Orders awaited.

Agenda Item No.3 Establishment of Ice Plant at S.F.No. 518/3, Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district by Thiru A. Joseph Stalin, Kizha Muttom Village, Kalkulam Taluk, Kanyakumari district

The District Environmental Engineer, TNPCB, Nagercoil has forwarded a proposal received from Thiru A. Joseph Stalin, Kizha Muttom Village, Kalkulam Taluk, Kanyakumari district for the proposed Establishment of Ice Plant at S.F.No. 518/3, Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district. The project information and EMP report prepared by M/s. Geo Exploration & Mining Solutions, Salem having NABET certificate valid upto 06.08.2025.

Need of the project

The project is only installation of Ice Plant which does not have any change in land use. The proposed ice plant is a facility required for local fishing communities.

Project description

The total available land area of the project is 2648.85 sq.mtr and the total built up area of the proposed construction is 184.69 sq.mtr.

Project location

The project is located at SF No.518/3, Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district. The geo coordinates of the project location is 8° 7' 38.94"N, 77° 9' 39.89"E.

Land area breakup

The area of plot available for the development is 2648.85 Sq.m and the landuse breakup details is given below.

Sl. No.	Description	Area	
		Sqm	%
a.	Total Ground Coverage Area of Building	184.69	6.97
b.	Green belt area	397.50	15
c.	Vacant area	2066.66	78.03
	Total land area	2648.85	100

Project components

The main component of the project is installation of Ice Plant and to produce Ice cubes. The goal of this ice plant is to reach out to the local community of fishermen. It

is proposed to manufacture 50.4 Tons of Ice blocks per day (TPD) with each Ice Blocks of 50 kg weight i.e. 1008 Ice Blocks/day by Ice Can system.

Water requirement

- Water requirement for the development : 24 KLD
- Water requirement for manufacturing purpose : 22.36 KLD
- Water requirement for gardening purpose : 1.4 KLD
- Water requirement for domestic purpose : 0.24 KLD

The water requirement will be met from private tankers.

Waste generation and disposal

The solid wastes generated from the building will be segregated into bio-degradable and non-bio-degradable waste @ 0.64 kg and 0.96 kg per day respectively. The collected bio-degradable waste will be handed over to local body on daily basis and the non-biodegradable waste will be handed over to authorized recyclers or local bodies for disposal.

Power requirement

The power required for the entire operation of the ice plant is 145 Kw which will be met by TANGEDCO source. One standalone DG Set of 200 KVA will be provided in case of power failure.

CRZ Classification and Project cost

The entire site 2648.85 sq. mtr. is falling in CRZ-III (200m to 500m) and the proposed cost of the project is Rs.2.99 crores.

DCZMA recommendation

The DCZMA for Kanyakumari district has recommended the project to SCZMA in the 97th meeting held on 16.10.2023, without any conditions.

Provision in the CRZ Notification, 2011

- As per CRZ Notification, 2011, the activity is permissible in CRZ-III (A) No Development Zone.
- As per Para 4(i) (d) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

Remarks of the Technical Expert Committee

- The Project Proponent shall spend sufficient funds for CER activities in consultation with the District Collector.

The TEC recommended the proposal for consideration of the Authority.

Agenda Item No.4

Proposed "Relaying of existing Bituminous Concrete Road at Thiruvanmiyur Village, Velachery Taluk, Chennai district" by the Executive Engineer, Zonal Office-XIII, Greater Chennai Corporation (Single Window No. SW/156112/2023)

The District Environmental Engineer, TNPCB, Chennai has forwarded a proposal received from the Executive Engineer, Zonal Office-XIII, Greater Chennai Corporation for the proposed "Relaying of existing Bituminous Concrete Road at Thiruvanmiyur Village, Velachery Taluk, Chennai district". The project information and Conceptual Plan prepared by M/s. Eco Services India Pvt. Ltd., Chennai.32 having NABET certificate valid upto 02.04.2024.

Need of the project:

The existing roads will be used for public access. Also relaying of existing road will remove the water stagnation in the pot holes during rainy season. Thus, environmental condition will be improved by relaying of existing road.

Description of the project

The Proposal is to relay an existing worn out road therefore there will be no change in land use, land cover or topography including increase in intensity of land use. The total length of the project is 420m and 8.50m width and the total area is 3570 sq.m. The proposed road originates from Sea World Road and ends in New Beach Road, Zone-14 Reach. It runs parallel to East Coast road in the West. The project road is adjoining by Thiruvanmiyur Village on the landward side and the Bay of Bengal shoreline in the Seaward side.

Advantages of the project

- To improve the basic infrastructure of the locality.
- To reduce the hindrance and congestion thereby effecting free movement.
- To reduce the traffic volume of the existing road stretch.
- To save the fuel and time of the commuters.
- To enhance the aesthetics of the beach.

Location of the project

The proposed road is situated at Thiruvanmiyur Village, Velachery Taluk, Chennai District. The Latitude is 12° 58' 37.97" N to 12°58'25.02" N and the Longitude is 80°16'0.65"E to 80°15'58.12"E

Water requirement

During the construction phase about 4-5 KLD of water will be required during the peak construction phase and it will be sourced through private tankers arranged by the contractor.

Waste management

The construction waste generated during the relaying will be stored and used for backfilling the low-lying area. The debris will be conveyed to designated dump yard.

CRZ Classification and cost of the project

The proposed site falls in CRZ-II area and the total cost of the project is Rs.46.86 lakhs.

Recommendation of DCZMA of Chennai district

The proposal was placed before the DCZMA of Chennai district in the meeting held on 31.08.2023 and the DCZMA has recommended the proposal to SCZMA with the following conditions.

1. The project proponent should get certified that the existing road should be constructed before 1991 by Local body / Greater Chennai Corporation and furnish proof of the existence of the same to Tamil Nadu State Coastal Zone Management Authority while applying for clearance.
2. The project proponent should ensure that proposed activities in CRZ area are as per provisions of CRZ Notification, 2011.
3. No construction activity shall be started/ undertaken by the proponent until obtaining the CRZ clearance from the competent authority.
4. The construction shall comply with the Construction and Demolition Waste Management Rules, 2016
5. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
6. No cutting of trees shall be envisaged during implementation of the Project.
7. Prior Planning permission shall be obtained for the proposed storm water drain, if any, from the local authorities concerned for the proposed project.
8. CMDA's grid of road projects should be taken into consideration in the proposal.

9. No vegetation shall be cleared off while relaying of the motorable road.
10. The demolition of wastes generated during the relaying of the road shall be used for internal back filling of the motorable road as committed.
11. Dust generated during relaying of the road shall be mitigated by sprinkling of water.
12. The relaying activity shall adhere to the ambient noise level standards
13. The Project proponent there should not be any ground water extraction in the CRZ area.

The Project Proponent has submitted replies for the above conditions, vide letter dated 28.12.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, relaying of existing road in CRZ-II is not a prohibited activity. Further vide para 5 (x) of CRZ Notification 2011, in accordance with the provisions of the Notification, the proposal requires clearance from the SCZMA / Local Planning Authority.

Remarks of the Technical Expert Committee

- The alignment of the existing road should not be changed during the construction.
- No Trees shall be uprooted during the construction

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

Agenda Item No.5 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 recommended by the concerned SCZMA.

The proposal has been placed before the TNSCZMA in the 122nd meeting held on 09.11.2023 and the TNSCZMA has observed the following in the proposal.

- 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.

Accordingly, the Project Proponent has been requested to submit the reply to the above observations, vide letter dated 28.11.2023. The Project Proponent has submitted the detailed justification for strategic importance of the project and also submitted (vide letter dt. 05.12.2023) the letter obtained from the Deputy Director, DTCP, Thoothukudi which stating that 'the proposed site falls in CRZ-II and is permissible activity and permission is not required from Local Planning Authority since this is a Defence Project".

Remarks of the Technical Expert Committee

Since there is no solid justification on the strategic importance of the project, the Committee is of the opinion that the Project Proponent may seek alternate land outside CRZ to carry out this project.

Agenda Item No.6: **Construction of Beach Resort at S. No. 87/1B, 87/1A2, 87/2, 81/1B1A, 81/2B2 at Kannirajapuram Village, Kadaladi Taluk, Ramanathapuram district by M/s. K four Apartments & Hotels Pvt Ltd., Madurai**
(Single Window No. SW/170209/2024)

The proposal for the construction of Beach Resort at Kannirajapuram Village, Kadaladi Taluk, Ramanathapuram district was placed in the 118th meeting of TNSCZMA held on 14.10.2022. The Authority recommended the proposal to MoEF & CC, Govt. of India. Accordingly, the MoEF & CC, GoI have issued clearance for the "construction of Beach Resort at S. No. 87/1B, 87/1A2, 87/2, 87/1B1A, 81/2B2 at Kannirajapuram Village, Kadaladi Taluk, Ramanathapuram district by M/s. K four Apartments & Hotels Pvt Ltd., Madurai" vide letter F.No.11-4/2023-IA.III, dated:24.03.2023.

The project proponent stated that in the approval of MoEF & CC, Govt. of India they find that there is a minor typing error in the Survey Number mentioned. The details of survey numbers to be corrected is given below.

Sl. No.	Survey No. mentioning in the approval	Correction to be made
1	87/1B1A	81/1B1A

The Project Proponent has also submitted the land documents, FMB sketch, Patta and HTL Demarcation map issued by Institute of Remote Sensing for evidence. The proponent has also applied in the Parivesh portal.

Remarks of the Technical Expert Committee

The project was cleared earlier by TNSCZMA and MoEF & CC, Govt. of India and has come to rectify a typo error in the Survey No.

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

Agenda Item No.7 Proposed installation of Skid mounted Compressed Bio Gas (CBG) Storage Unit along with its prefabricated portable computer room in the CRZ-III (NDZ) within the existing site at S.F.No. 135/2A (Part), SIPCOT Phase-II, Semmankuppam Village of Cuddalore Taluk and district by M/s. Covestro (India) Pvt. Ltd., Cuddalore

The District Environmental Engineer, TNPCB, Cuddalore has forwarded a proposal from M/s. Covestro (India) Pvt. Ltd., Cuddalore for installation of Skid mounted Compressed Biogas (CBG) Storage Unit along with its prefabricated portable computer room in the CRZ-III (NDZ) within the existing site at S.F.No. 135/2A (Part), SIPCOT Phase-II, Semmankuppam Village of Cuddalore Taluk and district. The technical consultant for the project is M/s. Cleanbios Innovations LLP, Chennai.

Need of the project

M/s. Covestro (India) Pvt. Ltd., (CIPL) is operating an existing Thermoplastic Polyurethane Plant having capacity of 6000 MTPD at S.No. 135/1A, 135/2A & 135/1B2 of SIPCOT Industrial Estate Phase-II, Semmankuppam Village of Cuddalore district.

Currently, CIPL has proposed to install a Skid Mounted Compressed Biogas (CBG) storage Unit along with its prefabricated portable computer room within the existing site which falls in the CRZ-III (NDZ).

Background of the Project:

The Project Proponent M/s. Covestro (India) Pvt. Ltd., Cuddalore (CIPL) stated that in alignment with the global sustainability objectives, CIPL has been undertaking activities involving in reducing the carbon footprint and emissions as per its global sustainability action plan. As a part of this activities, CIPL has also recently installed a wet scrubber for carbon sequestration of emissions from its largest DG set of 1010 kVA.

Currently, it had been proposed to provide bi-fuel option for the Thermic Fluidic Heater (TFH), to initiate the shift of energy source from fossil fuels (High speed - Diesel or HSD) to a non-conventional renewable energy source (Compresses Biogas or CBG). This shift in fuel is being planned by CIPL to be implemented as part of its increase in production quantity through green manufacturing in the near future.

As part of the above shift to renewable energy for the purpose of CO₂ foot print reduction, there is requirement to place the Skid mounted Compressed Bio Gas (CBG)

storage unit along with its pre-fabricated portable computer room in a specification location, within the existing site, which falls in the CRZ III (NDZ). The summary of the activity and its zonation & Survey No is provided in the below table.

Sl. No.	Proposed CRZ Attracting Activity	Zonation	Area (Sq.m)	Survey No.	GPS Co-ordinates
1.	Compressed Bio Gas (CBG) Storage Unit along with its Pre-fabricated portable computer room	CRZ III (NDZ)	278.424	135/2A (Part)	11°38'31.48" N 79°44'27.91" E

The Proponent further stated that the existing HSD storage tank is located in the CRZ III (NDZ) Zone, which was installed during the inception of the plant during 1987. All the necessary pipelines for transferring HSD to the Thermic Fluidic Heater (TFH) has been established in this zone during the plant's inception mainly by considering the safety precautions.

Hence the proposed CBG storage skid and its system is feasible only to be placed adjacent to the existing HSD storage area and then connected to the TFH in similar pattern for safety and operations reasons. Moreover, the HSD storage tank also has to be retained along with proposed CBG storage system as CBG is not yet a continuous and reliable source of fuel in the project area. Hence the proposed project site activities of CBG Storage System have to be placed in CRZ III (NDZ). The proposed installation does not require any construction activity. The necessary Compressed Bio Gas (CBG) will be sourced from the nearest CBG filling station and transported via trucks in cascades. The cascades, which will contain the CBG, will be directly positioned at the skid-mounted site and replaced when it is empty.

Process Description

The existing facility engages in the manufacturing of Thermoplastic Polyurethane (TPU), which is produced through a reaction between MDI (4,4 Diphenylmethane diisocyanate) and either polyester or polyester type polyol, along with 1,4 Butane diol (1,4 BDO). This process involves the utilization of additives within a blending vessel, followed by extrusion, palletization, drying, and packing.

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.3.00 crores.

Recommendation of DCZMA of Cuddalore district

The proposal was placed before the DCZMA of Cuddalore district on 22.09.2023 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. No ground water from Coastal Regulation Zone are shall be tapped for the project.
3. All the solid waste shall be handled as per the Solid Waste Management Rules 2016.
4. The project proponent shall undertake green belt development all along the periphery of the project area and also alongside the road.
5. All necessary clearances from the concerned agencies shall be obtained before initiating the project.
6. The Project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
7. The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.

The Project Proponent has submitted compliance report for the above said conditions, vide their letter dated 21.12.2023.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 8 III CRZ-III A (iii) (e), facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II of said notification is permissible activities.
- 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 Disaster and Contingency Plan needs to be furnished including the preparation to be carried out to protect the Unit in case of any flooding in the nearby Uppanar river.

- The Project Proponent should justify whether it is safe for the Unit to be exposed to direct sunlight considering the proposed open design of the project.
- Safety Standard Certificate from concerned authority shall be furnished once the Unit starts to operate.
- The proponent shall submit in writing the existing regulations available for such nature of units.

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

Agenda Item No. 08

"Underground laying of Natural Gas Transportation Pipeline passing through Uppanar River approximately a length of 0.255 km²s out of the total length of 29.197 km from Palayapalayam Village, Sirkali Taluk to Memathur Village Tharangambadi Taluk, Nagapattinam District" proposed by M/s. GAIL (India) Ltd., Karaikkal

- The proposal "Underground laying of 24 inches Natural Gas Transportation Pipeline passing through Uppanar River approximately a length of 0.255 kms out of the total length of 29.197 km from ONGC Madanam in Palayapalayam Village, Sirkali Taluk to Memathur Village Tharangambadi Taluk, Nagapattinam District by M/s. GAIL (India) Ltd., Karaikkal" was placed before the TNSCZMA in the 113th meeting held on 27.10.2021 & 01.11.2021 and the Authority has resolved to recommend the proposal to MoEF & CC, Govt. of India. Hence, the proposal was forwarded to MoEF & CC, Govt. of India for issuing clearance vide Government of Tamil Nadu letter dated 21.03.2022.
- Accordingly, the proposal was considered by Expert Appraisal Committee (EAC) in its 299th meeting held on 14/06/2022 and 334th meeting held on 31/07/2023. The Committee in its 299th meeting has noted that the proposal is a case of violation and project proponent did not disclose this proposal is for already constructed prior CRZ Clearance 2011.
- The Committee also observed that the issue of addressing such procedural lapse and other concerned issues may be decided in accordance with the MoEF & CC, GoI O.M dated 19/02/2021 which states that "Procedure for dealing with violations arising due to not obtaining a prior CRZ clearance for permissible activities". Further, the Committee has noted that the said OM is under Sub-judice and has been stayed by Hon'ble High Court of Bombay in the PIL (L) No. 8540 of 2021 by which Ministry is restrained from granting a permission / clearance on the basis of the office memorandum under challenge till August 31, 2021 or until further orders, whichever is earlier. Accordingly, the proposal has been deferred by the EAC in its 299th meeting, as the project is a violation / post-facto clearance and released OM is also sub-judice.

- Thereafter, the proposal was placed before the EAC (CRZ) in its 334th meeting held on 31/07/2023 for re-consideration as per direction of the Hon'ble Supreme Court vide order dated 25/07/2023, wherein directed as:

"...we find that at this stage a direction ought to be issued to the third respondent to consider the application made by the appellant for grant of clearance for the pipeline already laid by the appellant herein, more particularly, with regard to 255 meters which is stated to be in the CRZ zone out of a total 29 kms. The said consideration of the application shall be made within a period of two weeks from today. In the circumstances, list this matter after two weeks."

- In the meantime the Ministry has filed SLP (C) No.33840 of 2023 before the Hon'ble SC challenging the stay of Hon'ble Madras High Court and SLP (C).
- Further, The Hon'ble Supreme Court has heard the SLP (C) No.33840 of 2023 and directed vide order dated 04/09/2023 for the interim stay of the impugned stay order by Hon'ble High Court of Madras.
- The Hon'ble Supreme Court vide order dated 05/09/2023 has directed that the application filed by the Petitioner (M/s GAIL India Ltd.) could be reconsidered by the Authority concerned and steps would be taken for seeking a reconsideration of the application in view of the interim order dated 04/09/2023 by the Hon'ble Court in SLP (C) No.33840 of 2023. The order dated 05/09/2023 is reproduced as under:

"Learned Solicitor General appearing for the petitioner has brought to our attention order dated 04.09.2023 passed by a coordinate Bench of this Court staying the impugned order passed by the Madras High Court. Consequently, the application filed by the petitioner herein could be reconsidered by the authority concerned. That steps would be taken for seeking a reconsideration of the application in view of the interim order dated 04.09.2023 by this Court in SLP (C) No.33840 of 2023."

- Accordingly, the proposal has been examined by EAC (CRZ) in its 340th meeting held on 26.09.2023 and the Committee suggested the proponent to submit the

environmental or ecological damage assessed, Compensatory Conservation Plan (CCP) and Community Resource Augmentation Plan (CRAP) with the recommendation of TNSCZMA as per OM dated 19/02/2021.

- The applicant has submitted the Damage Assessment Report, Compensatory Conservation Plan and Community Resource Augmentation Plan for placing before the SCZMA meeting, vide letter dated 23.10.2023.
- Accordingly, the DCZMA has been requested to scrutinize the said documents submitted by the applicant and to send remarks and recommendation of DCZMA, vide this office letter dated 27.10.2023.
- The meeting of DCZMA, Mayiladuthurai district was held on 08.11.2023 and the General Manager (O&M) / Officer in-charge, M/S. Gail (India) Ltd., Karaikkal has explained about the total damage cost estimation details before the DCZMA as below.

S.NO	Description	Damage cost
1	Air Environment	Rs. 10,288
2	Water Environment	Rs. 364
3	Noise and Vibration Environment	Rs. 11,000
4	Land Environment	Rs, 38,050
5	Solid Waste Management	Rs. 4,75,494
6	Economic Benefits	Rs. 16,800
	Total	Rs. 5,51,996

1. Remediation Plan:

SI. No	Component Remediation	Remediation Proposed	Description	Location	Total cost in Rs.
1.	SOIL	Soil filling	Levelling of ground with soil and for Enrichment of soil nutrient and soil replenishment cow dunk manure spreading will be done	In HDD entry and Exit point	55,200

2. Compensatory Conservation Plan:

SI. No	Activity	Description	Location	Total cost in Rs.
1.	SOCIO	Providing solar street lights Arrangements	To nearby Villages	2,75,998

3. Community Resource Augmentation Plan:

SI. No	Activity	Description	Location	Total cost in Rs.
1.	Socio	Identification and training of unemployment youth	To nearby Villages	1,10,399
2	Socio	Disbursement and disposal of fishing nets with financial incentives	Adjacent to shore line of Uppanar river in Fish and prawn culture area	1,10,399
Total				2,20,798

- After the detailed discussion and deliberation, the DCZMA has recommended the project to the SCZMA with the following conditions.
 1. The Unit shall not generate any trade effluent from its activity.
 2. The Unit shall obtain necessary approvals from the competent authority for its proposed pipeline project before commissioning.
 3. The Unit shall follow the guidelines stipulated by Oil Industry Safety Directory (OSID)
 4. The Unit shall carry out necessary protective coatings and Cathodic protection are to be provided for the pipelines against external corrosion and ensure that there is no leakage in the entire length of the pipeline.
 5. The Proponent shall obtain necessary approval from Chief Controller of Explosives before commission of the project.
 6. The Unit shall take proper precautionary measures during the laying of pipe line while crossing the river sources without affecting the environmental factors specifically natural course water flow.
 7. The Unit shall provide Supervisory Control and Data Acquisition system (SCADA) for monitoring with modules on leak detection, flow control etc., for the safety of the pipeline. Any leakage in pipeline shall be immediately detected by the computer system and product pumping shall be cut off immediately.
 8. The pipeline should be kept in good conditions all the year with adequate maintenance.
 9. The Unit shall provide the leak detection software in pipeline with real time model for detection sizing and location of leaks.

10. The Unit shall prepare the onsite and offsite emergency preparedness plan based on detailed risk analysis before commissioning of the unit.
11. The Unit shall obtain and furnish the policy under Public Liability Insurance Act 1991.
12. The Unit shall design and lay the pipeline with the provision of PNGRB (Technical standards and specifications including safety standards for Natural Gas pipeline) Regulations 2009.
13. The Unit shall inform if any change in the alignment/ details furnished in the application and the necessary approval shall be obtained from the Board before obtaining consent to operate under the said Act.
14. The Unit shall plant minimum 10 Nos native tree saplings for every tree cut during the laying of proposed pipe line.
15. This Consent under the Water Act shall not be construed as the Right to supersede or Overrule Other Acts or Rules or Bylaws or Directions etc. issued by other Government Department / Statutory Body / Local Body / Organization etc., and the unit shall abide the same, as and when issued by the respective Authority.

Remarks of the Technical Expert Committee

Considering the observations of DCZMA, The TEC has decided to place the proposal before the Authority for further directions.

Agenda Item No.09**Establishment of Edible Oil Storage Terminal at 'O' Yard in Area-I (North) of Chennai Port Area by M/s. KTV Oil Mills Pvt. Ltd., Chennai (Single Window Number.152967/2023)**

The District Environmental Engineer, TNPCB, Chennai has forwarded a proposal received from M/s. KTV Oil Mills Pvt. Ltd., Chennai for the proposed establishment of Edible Oil Storage Terminal at 'O' Yard in Area-I (North) of Chennai Port Authority land at Tondiarpet Village, Tondiarpet Taluk, Chennai district. The EIA report was prepared by Hubert Enviro Care system (P) Ltd, Chennai and the NABET certificate valid upto 27.07.2024

Need for the Project

The proposed project is the Establishment of edible oil storage terminal at "O" Yard in area I (north) of Chennai Port trust area, Chennai. The proposed project total area is 9020 sq.m. The edible oil will be imported from Indonesia, Malaysia, Ukraine, Russia and Argentina and the proposed project consists of Pipeline, 12 edible oil storage tanks, 1 water storage tank and other administration building, 2 pipelines have been proposed for this project for loading and unloading of edible oil. Pipelines should be partially covered with bitumen wrapping sheet. Total pipeline length is 1.55 km. The proposed site is near CPCL and container scanning facility (Indian Customs). The edible oil from storage tanks will be transported through trucks through the existing roads and it will be sold to the local vendors.

As per order of Hon'ble Supreme Court of India in Civil Appeal No.3626 of 2020 and 3639 of 2020, dated 01.02.2023, the existing storage tank facilities do not come under notification port. So, the new site has been taken on tender in the dedicated notified port trust area i.e. Chennai Port Trust.

Location of the project

The site coordinates of the project are given below

S.No	Description	Label	Latitude	Longitude
1	Proposed Project Site Boundary	A	13°7'3.739" N	80°18'01.947" E
2		B	13°7'4.794" N	80°18'03.818" E
3		C	13°7'0.697" N	80°18'05.448" E
4		D	13°7'0.080" N	80°18'02.833" E

5	Pipeline from BD-II Wharf to proposed site	E	13°7'0.384" N	80°18'02.759" E
6		F	13°6'57.277" N	80°18'03.066" E
7		G	13°6'52.104" N	80°18'04.040" E
8		H	13°6'44.132" N	80°18'01.599" E
9		I	13°6'37.498" N	80°18'00.645" E
10	Pipeline from BD-III Wharf to proposed site	J	13°7'00.353" N	80°18'02.767" E
11		K	13°6'57.277" N	80°18'02.171" E
12		L	13°6'52.366" N	80°18'04.871" E
13		M	13°6'48.340" N	80°18'07.431" E
14		N	13°6'43.738" N	80°18'10.904" E

Project description

Establishment of edible oil storage terminal 'O' Yard in area I (North) of Chennai port trust area at S. No. 3311/3,3311/4, Tondiarpet Village, Tondiarpet Taluk, Chennai district. M/s. Chennai Port Authority in the allotment order No.067/2023 dated 30.06.2023 has allotted 9020 Sq.m of unpaved open space at 'O' Yard in area-I for the occupation of 5 years from 01.07.2023 to 30.06.2028.

The total project area is **9020 Sq.m**. The edible oil will be imported from Indonesia, Malaysia, Ukraine, Russia and Argentina and the proposed project consists of 12 edible oil storage tanks of 4230 KL capacity, one water storage tank of 330 KL capacity and other administration building, 2 pipelines of 10-inch diameter, 9.5mm thickness mild steel pipeline have been proposed for this project for loading and unloading of edible oil. Pipelines should be partially covered with bitumen wrapping sheet.

Total pipeline length is 1.55km. 2 pipelines one from BD-II WHARF to KTV Oil Mills Private Limited (KTVOM) Plot O-Yard and one from BD-III WHARF to KTV Plot O-Yard. The length of BD-II WHARF to KTVOM plot O-Yard and BD-III WHARF to KTVOM plot O-Yard is 875m and 675m. The edible oil from storage tanks will be transported through trucks through the existing roads and it will be sold to the local vendors

The proposed project also construction of Fire room, DG & Hot water Generator room, Pump House, Loading Gantry, Weighbridge and Weighbridge room container, Office Room, Staff vehicle Parking Area and 4m wide road is left for vehicle movement. The details of the CRZ classification of the project is given below.

Sl. No	Description	CRZ Classification	Area in Sq.m	Total Area in Sq.m
1	Proposed Project site Boundary	CRZ II	9020	9020
Sl. No	Description	CRZ Classification	Length in meters	Total Length in meters
1	Pipeline from BD-II wharf to proposed site	CRZ II	615.13	875
		CRZ-IV A	259.87	
2	Pipeline from BD-III Wharf to proposed site	CRZII	395.25	675
		CRZ-IV A	279.75	

Water requirement

During construction phase, approx. 5KLD will be required for both domestic and construction purpose. During Operational Phase, approx. 1 KLD will be required. The source of water will be met by Chennai Port Trust.

Power requirement

The Total power requirement for this project is 40 kVA. The source of Power will be met by Chennai Port trust. HSD/furnace oil of 0.5 KLD will be used as fuel for DG set and the source will be met through local vendors

Municipal Solid Waste Management

The expected organic waste generation during construction phase is 13.5 kg/day and 2.16 kg/day during operational phase. The expected inorganic waste generation during construction phase is 9 kg/day and 1.44 kg/day during operational phase. The inorganic waste will be stored in adequate bins and disposed through authorized vendors. Organic waste will be disposed through local authorities.

Total cost and CRZ Classification of the project

The total cost of the project is Rs.4.90 crores and the CRZ Classification of the project is CRZ-II and CRZ-IVA areas.

Recommendations of DCZMA of Chennai district

The DCZMA of Chennai district has recommended the proposal to SCZMA in the meeting held on 08.11.2023, with the following conditions.

1. The project proponent shall comply with the provision of CRZ Notification 2011.
2. No Construction activity shall be started / Undertaken by the proponent until obtaining the CRZ clearance.
3. Appropriate facility shall be provided for the collection of oil spillage if any around the take form area.
4. Construction of storage tanks shall satisfy the prescribed standard norms by the competent authority.
5. The project proponent shall store only edible oil in the storage tanks as proposed.
6. The Unit shall lay pipelines only for the purpose of transferring edible oil from wharf to their proposed storage terminal within the Chennai Port area.
7. No extraction of ground water shall be carried out within the coastal Regulation zone area.
8. The project activity should not affect the coastal ecosystem including marine flora and fauna.
9. Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
10. The project proponent shall adhere to the Construction and Demolition Waste Management Rules 2018.
11. The project proponent shall provide suitable monitoring system for the implementation of "SUP BAN" in the premises and policy should be prepared with co-ordination with Tamil Nadu Pollution Control Board.

The Project Proponent has submitted the replies for the above said conditions, vide letter dated 18.01.2024

Provisions as per the CRZ Notification, 2011

- As per Para 3(ii)(a) of CRZ Notification, 2011, Setting up of new industries and expansion of existing industries except those directly related to waterfront or directly needing foreshore facilities is prohibited activities.
- As per Para 4 (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- As per Para 8 (i) II CRZ-II, storage of non-hazardous cargo, such as edible oil, fertilizers and food grain in notified ports, is permissible activities.
- As per Para 4(ii)(d), laying of pipelines, conveying system, transmission line are permissible activities and should obtain clearance from MoEF & CC, GoI.

Remarks of the Technical Expert Committee

- The detailed Disaster Management Plan and Contingency plan should be furnished.
- As the Project Proponent is ready to voluntarily commit for Ecological and Environment Conservation activities, the Authority may suggest such conservation activities to the proponent.

- The Proponent needs to prepare and submit an immediate Action Plan in case of any leakage including details of equipment that are readily available with them.

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

Agenda Item No.10

Proposed construction of Heritage and Cultural Complex named "Bharatamritam" at S.F.No. 98/1, 98/2, 98/3B1 etc., at Poonjeri Village, Tirukazhukundram Taluk, Chengalpattu district by M/s. Mata Amrithanandamayi Mandir Trust, Chennai (Single Window No. SW/171372/2024)

The District Environmental Engineer, TNPCB, Maraimalai Nagar has forwarded a proposal received from M/s. Mata Amrithanandamayi Mandir Trust, Chennai for the construction of Heritage and Cultural Complex named "Bharatamritam" at S.F.No. 98/1, 98/2, 98/3B1 etc., at Poonjeri Village, Tirukazhukundram Taluk, Chengalpattu district. The project information and EIA report prepared by M/s. Green Envirocare Private Limited, Chennai having NABET certificate valid upto 19.10.2026.

Project description

M/s. Mata Amritananadamayi Mandir Trust has proposed the Heritage and Cultural Complex named " **Bharatamritam**" at S.F.No.s 98/1, 98/2, 98/3B1, 98/4, 98/5, 98/6A, 98/6B, 98/7, 99/1, 99/2A, 99/2B, 99/3A, 99/4, 101/1, 101/2A, 101/2B, 101/3, 101/4, 101/5, 101/6, 101/7, 101/8, 101/9, 102/1A, 102/1B, 102/2A, 102/2B, 102/2C1, 102/2C2, 102/3, 103/1A, 103/1B, 103/2A1, 103/2A2, 103/2A3, 103/2A4, 103/2A5, 103/2B, 103/3, 104/1, 104/2, 106/1A1A, 106/1A1B, 106/1A2A, 106/1A2B, 106/1B, 106/2, 106/3, 106/4, 107/1A1, 107/1A2, 107/1B1, 107/1B2, 107/2, 107/3A, 107/3B, 107/3C, 107/3D, 107/3E, 107/3F, 107/3G, 107/3H, 107/4A, 107/4B, 107/5, 107/6A, 107/6B, 108/1, 108/2, 108/3, 108/4, 108/5, 108/6A, 108/6B, 108/7, 108/8A, 108/8B, 109/1, 109/2, 110/1, 110/2A, 110/2B, 110/2C, 110/3A, 110/3B, 110/3C, 110/4A, 110/4B, 110/5A, 110/5B, 111, 112/2, 112/3A, 112/3B, 112/3C, 112/4, 113/1, 113/2, 113/3, 114/1, 114/2A, 114/2B, 115/1A, 115/1B, 115/1C, 115/1D, 115/2, 115/3, 115/4, 115/5, 116/1A, 116/1B1, 116/1B2A, 116/1B2B, 116/1B2C1, 116/1B2C2, 116/1B2C3, 116/1B2C4, 116/1B3, 116/2, 116/3, 117/1, 117/2, 117/3B, 118/2, 118/3A, 118/3B, 118/5A, 118/5B1, 118/5B2, 118/5C, 118/5D, 118/5E, 118/6, 119/3A, 120/3A, 121/1, 121/2, 121/3, 121/4, 122/1A1, 130/3A, 161/1, 161/2B, 161/4A, 161/4C, 163/2A, 163/2B, 163/1B1, 163/1B2, 165/1, 165/2, 165/3, 165/4, 165/5, 165/7A, 165/8A, 166/1A, 166/2A, 166/2B, 167/1A, 167/1B, 167/1C1, 167/1C2, 167/1D1, 167/1D2, 167/1E1A, 167/1E1B, 167/1E2, 167/1E3, 167/2A, 167/2B, 167/3A1, 167/3A2, 167/3B, 167/3C1, 167/3C2, 167/3D, 167/3E1, 167/3E2, 167/3F, 167/4, 168/1, 168/2, 168/3A, 168/3B, 168/3C, 168/3D, 168/4A, 168/4B, 168/4C, 169/1, 169/2, 169/3, 170/1A1, 170/1A2, 170/1B, 170/1C, 170/1D1, 170/1D2, 170/1E, 170/1F, 170/2A, 170/2B, 170/3A, 170/3B, 171/1A1B, 171/1A4, 171/1A5, 171/1A6, 171/1A7, 171/1A8, 171/1B1, 171/1B2, 171/1C1, 171/1C2, 171/1D, 171/2, 172/1, 172/2A, 172/2B, 172/3A, 172/3B, 172/4A, 172/4B, 172/5, 173/2, 173/1A, 173/1B, 173/1C, 173/3A1, 173/3A2, 173/3B, 173/3C1, 173/3C2, 173/3C3, 173/3C4, 173/3D1A, 173/3D1B,

173/3D2, 173/3E1, 173/3E2, 173/3F1, 173/3F2, 173/3F3, 173/3F4A, 173/3F4B, 173/3F5, 173/3F6, 173/3G, 174/2A3, 174/2A4, 174/2A5, 174/2A6, 174/2B1B, 174/2B2, 174/2B3A, 174/2B3B1, 174/2B3B2, 185/2B, 186/1, 186/2, 187/1, 188, 189/1A, 189/2A, 189/3A, 189/4, 209/3A, 209/3C1, 209/3C2, 209/3C3, 210/1A1, 210/1A2A2, 210/1A2B, 210/2A1, 210/2A2, 210/2B1, 210/2B2, 210/3A, 210/3B, 210/3C, 210/3D1, 223/1A1A4, 223/1A1B2, 223/1A1C, 223/1A1D2, 223/1A2, 223/1B, 223/2A, 223/2B, 223/3B, 223/4, 223/5, 223/6B, 223/7, 223/8, 223/9A2, 223/9B, 223/10B, 223/11, 223/12 of Poonjeri Village, Thirukazhukundram Taluk, Chengalpattu District to develop spiritual and intellectual practices among the people in the mechanised life by introducing library and research centres fully equipped with advanced technologies to visualize their interest of fields such as artificial pond, Block, Central Garden, Grand open plaza, Lawn, Parking, Road, Viewing open Deck and Monument.

The proposed project site is located at Poonjeri Village, Thirukazhukundram Taluk, Chengalpattu District with total area of 3,06,792.48 Sq.m.(75.81 Acres). A typical geographical location of proposed site is 12°37'26.66"N (Latitude) 80°10'28.70"E (Longitude). The landuse break up details are given below.

S.No	Description	Area (in sq.m)	Area (in %)
1	Ground Coverage	73,712.97	24.03
2	Green Belt area (Including landscape)	1,23,459.02	40.24
3	Artificial Pond	3,942.3	1.29
4	Total Paved Area	40,834.85	13.31
5	Total Road Area	23,093	7.53
6	Open Parking Area	4852.49	1.58
7	OSR Area	36,897.72	12.03
Total		3,06,792.48	100

The area allotted for the development of proposed construction of Heritage and Cultural Complex is given below.

Bharatamritam	Area (m ²)
Total land	306792.48
Total Built up	106242.55
CRZ covered	23772.55

The following proposed facilities falls under CRZ-II zone in Survey Nos. 172/1, 172/2A, 172/3A, 172/3B, 172/4A, 172/4B, 172/5, 171/1A1B, 171/1A3, 171/1A5, 171/1A6, 171/1A7, 171/1A8, 209/3A, 171/1B2, 171/2, 102/31A, 209/3C1, 209/3C2, 209/3C3, 210/1A1, 210/1A2A, 210/1A2B are.

- OSR
- Landscape

Area allotted for development of the proposed Heritage and Cultural Complex at Poonjeri Village is given below.

Proposed Facilities	Area
OSR Area	36,897.72Sq.m.
Green Belt area(including landscape)	1,23,459.02 Sq.m.

As per the classification, the proposed development falls within the following CRZ classifications.

Description	CRZ - Classification	Area in Sq.m.
OSR Area	CRZ - II	22113.54
Landscape Area		1648.44
Project site boundary	CRZ-II	23772.55

Water Requirement

During construction phase, there are 250 persons will be working in the proposed project. The total water consumption for construction is 18,250 LPD and water requirement during operation phase is 159 KLD. Water consumption during construction phase will be supplied through tankers and during operation phase the total water requirement is calculated as 447 KLD for domestic and green belt development. The sewage water will be treated in the STP with the capacity of 175 KLD and the treated water of 144 KLD will be reused for flushing and green belt development.

Solid waste Generation

Solid waste generation of about 2350 kg/day and 1410 kg/day of the biodegradable waste will be treated in Organic waste converter and Manure used for green belt development and 940 kg/day of Non bio degradable waste will be disposed through authorized recycler. STP bio sludge of 3 kg/day will be used as manure for green belt development.

Green Belt Development

The proposed Heritage and Cultural Complex has total land area of 3,06,792.48 Sq.m. In this total land area, 1,23,4569.02 Sq.m. - 40.24 % of land area will be proposed for green belt development and Landscape. Total number of trees proposed is 3,838 Nos.

Power Requirement Details

The total power consumption is 8800 kVA and it will be sourced from TANGEDCO. During power failure, DG Sets 8 Nos. of 750 kVA will be used for power backup supply.

Recommendation of DCZMA

The proposal was placed before the 12th meeting DCZMA of Chengalpattu district held on 22.01.2024 and the DCZMA has resolved to recommend the proposal to TNSCZMA with the following conditions.

1. The CRZ area shall not be developed any construction activity.
2. The project Proponent shall comply with all the conditions Stipulated in the guidelines attached as Annexure III in the CRZ Notification 2011.
3. The project proponent shall not draw any ground water within the CRZ area if the water is to be extracted from outside CRZ area, NOC from the central Ground Water Board shall be obtained for the drawl of Ground Water.
4. The project proponent should obtain planning permission for their proposed construction from the Department of Town and Country Planning.
5. The project proponent shall obtain the Environmental Clearance from the State Level Impact Assessment Authority.
6. The project proponent shall provide adequate capacity of sewage treatment plant for the treatment and disposal of sewage generated within the premises. The unit shall utilize the treated sewage generated after disinfection for toilet flushing and for green belt development within the premises after achieving discharge standards prescribed by the Tamil Nadu Pollution Control Board.
7. The project proponent shall segregate the municipal solid waste generated as Bio Degradable and Non- Bio Degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, 2016 proper arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas, by providing Organic Waste Converter(OWC)
8. The project proponent shall install roof top solar panels for the generation and utilization of electricity for its premises to the maximum extent possible.
9. The project proponent shall provide LED lighting arrangement for the entire premises to save electricity power consumption.
10. The project proponent shall provide first aid boxes at suitable locations for easy access.
11. The project proponent shall establish Environment Management Cell to administer and monitor the recommendations made in the Environmental Management Plan as contained in the EIA report of the project and shall be effectively implemented.
12. The project proponent shall create Green Development to the Maximum extent and utilize the rain water to the maximum extent.

The Project Proponent has submitted replies to the above conditions vide letter dated 07.02.2024

CRZ Classification and cost of the project

The total built up area of the project is falling outside CRZ area. However, Open Space Ratio (OSR) and landscape area only falling in CRZ-II area. The total cost of the project is Rs.327.39 crores (CRZ & non CRZ area).

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (xiii) of the said notification, dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose is only prohibited activity. There are no construction activities in CRZ area.
- However, the entire building structures are falling outside CRZ area and above 20,000 sq.mtr built up area.
- Hence, as per 4 (i) (d) of CRZ Notification, 2011, the proposal may be forwarded to SEIAA.

Remarks of the Technical Expert Committee

- There shall be no alteration in the existing natural landscape of the project area.
- Specific CER activities can be proposed by the TNSCZMA.

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

Agenda Item No.11**Modernization and Upgradation of existing Chennai Fishing Harbour at Kasimedu of Chennai district by the Fishing Harbour Management Committee of M/s. Chennai Port Trust**

The District Environmental Engineer, TNPCB, Chennai has forwarded a proposal for "Modernization and Upgradation of existing Chennai Fishing Harbour at Kasimedu of Chennai district" proposed by the Fishing Harbour Management Committee of M/s. Chennai Port Trust. The EIA report was prepared by M/s. Hubert Envirocare Systems (P) Ltd., Chennai having certificate of Accreditation from NABET valid upto 27.07.2024.

Need of the Project

- To manage and maintain the Fishing Harbour for all-weather use for fishing vessels.
- To provide convenient landing facilities to the fishing crafts.
- To facilitate handling of catches, auctioning, repairing, etc.
- To provide hygienic conditions for the pre-processes, handling of fish to match international standards.
- To maintain hygienic standards at the international levels in the handling of marine catches.

Existing facilities

S. No.	Structure	L x W (mxm)	Land Area (sq.m)
1	Auction Hall - Block -I	50 x 18	900
2	Auction Hall - Block II	25 x 18	450
3	Net Mending Shed-I	33.6 x 18	604.80
4	Net Mending Shed-2	12.4 x 36.40	451.36
5	Net Mending Shed	8.40 x 12.40	104.16
	Total Built up area		2510.32

- One breakwater is already existing on the Eastern side of a length of 1085m and one break water on the northern side of a length of 830m to ensure safe waters and tranquility in the Fishing Harbour.
- The length of Fish Handling Wharf is 250m and can accommodate 40 boats at a time and is located on Western end of Fishing Harbour.

- There are 9 Nos. of finger jetties, 6 Nos. of Western Wharf one each at South, LL Wharf and Slipway are the existing facilities.

In beginning the Project Proponent has proposed 18 activities in the proposal and the State Environmental Impact Assessment Authority (SEIAA) has issued Terms of Reference (ToR) vide letter dated 07.03.2023. The said proposal has 18 nos of activities including dredging of 454214 Sq.M. Accordingly, the Project Proponent has modified the proposal from the 18 activities to 25 activities and the SEIAA has issued amendment ToR for the modified proposal, vide letter dated 06.06.2023.

Now, the Project Proponent has proposed 25 activities in revised proposal of "Modernization and Upgradation of existing Chennai Fishing Harbour at Kasimedu of Chennai district". The details of the activities are given below.

S. No	Proposed structure	CRZ Classification (as per approved CZMP)	L x w (m x m)	Land area (Sq.m)
1.	Boat repair spare parts complex	CRZ-II	15 x15	225
2.	Fish handling shed at Trawler Wharf	CRZ-II & CRZ-IVA	100 x 27	2700
3.	Cleaning, Packaging and Cold Storage Complex	CRZ-II	20 x10	200
4.	Administrative complex & Centralized control Block with Commercial Complex on the Ground Floor, (G+2)	CRZ-II	25 x 15	375
5.	Two & Four Wheeler Parking -1	CRZ-II	45 x 16	720
6.	Two & Four Wheeler Parking -2	CRZ-II	44 x 35	1540
7.	Sanitary Complex	CRZ-II	10 x 5	50
8.	Two -lane peripheral road with storm water drains, cable truff and a pedestrian path including widening and repair of existing road network	CRZ-II & CRZ-IVA	1600 x 7.5	12000
9.	Ship lifting facility and Boat Repair Yard	CRZ-II	76 x 123	9348

10.	Vessel Monitoring and control system at harbour Entrance	CRZ-IVA	5 x5	25
11.	Additional fish Handling Shed at Trawler Wharf	CRZ-II & CRZ-IVA	100 x27	2700
12.	Two Nos. of Northern Wharf. Supporting with existing structure	CRZ-IVA	50 x 20.5	1025
13.	Truck Paved Parking area facility near proposed two & four -wheeler parking No. 1	CRZ-II	(27 x35) + (28 x35)	1925
14.	Providing Two numbers of solar operated with electrical backup fish drying machine (1 Tonne capacity) including civil structure as Pilot Project	CRZ-II	11 x22	242
15.	Two -wheeler and Car Parking for administrative and commercial complex and two -wheeler parking shed in the Eastern side of the Administrative and commercial complex building	CRZ-II	(22 x16) +(22x4)	440
16.	Net Mending shed at southern side	CRZ-II	30 x12	360
17.	New open shed with Arabian tent Roofing for fish cutting stalls near retail shops	CRZ-II	2x30x5	300
18.	Proposed rooms for stacking unsold items in the rear side of fish cutting stall	CRZ-II	72x5	360
19.	New open sheds with Arabian Tend roofing for prawn sale point	CRZ-II & CRZ-IVA	66 x20	1320
20.	Low Level reservoir	CRZ-II	11.2x7.30	81.76
21.	Over Head Water Tank	CRZ-II	Dia - 6m	28.26
22.	Effluent Treatment Plant (ETP)	CRZ-II	28.2x11.4	321.48
23.	Sewage Treatment Plant (STP)	CRZ-II	6.6x12.65	83.49
Built up area			36369.99	
24.	Dredging area	CRZ-IV	454214 sq.m	
25.	Controlled Entry and Exit Arrangements, Elevated Compound wall and 2 Nos. of Arched Entrance	CRZ-II & CRZ-IVA	1600 mtr.	

Details of the proposed project

1) Boat Repair Spare Part Complex

The spare part complex will facilitate storage and selling of fishing equipment, consumable and spares for fishing crafts.

2) Fish Handling Shed at Trawler Wharf (100m x 27m)

Based on the primary demand of the stakeholders, it is proposed to construct a fish handling shed with sufficient focus lighting arrangements.

3) Cleaning, Packing and Cold Storage facility

Proposed to construct a cleaning, packing and cold storage facility near Northern Lower Wharf with five segregated Units. Similar facility with 5 additional units is planned in the Southern Fish Handling Complex.

4) Administrative Complex & Centralised control Block with Commercial Complex on the Ground Floor - 25m x 15m (G+2)

The proposed building shall provide office spaces to Fishing Harbour Management Committee, State Fisheries Department officials, Engineering Section, Banks, Marine Enforcement Wing and CCTV Control Room. A Ground + Two floors are envisaged in this Plan.

5 & 6) Two Wheeler / Four Wheeler Parking area

2 Nos. of proposed parking facilities viz., 16m x 45m and 44m x 35m at two different locations.

7) Sanitary Complex

A toilet complex of 10m x 5m dimension is proposed at the Southern end of the Fishing Harbour, next to the proposed Southern Landing Wharf.

8) Two-lane peripheral road with storm water drains, cable truff and a pedestrian path including widening and repair of existing road network

The proposed peripheral road is running South-North orientation for a length of 1600m and width of 7.5m for hassle free movement of traffic of Two, three and Four wheelers.

9) Ship lifting facility and Boat Repair Yard

This facility will enable fishing-boat owners and repair service providers to carry out their maintenance and repair work faster. The spare part complex will facilitate storage and selling of fishing equipment, consumables and spares for fishing crafts.

10) Vessel Monitoring and control system at Harbour Entrance

It is proposed to implement a vessel monitoring and control system for providing advance warning to the Fishermen and fishing boats at the harbour in the event of natural calamities, such as cyclones, Tsunami etc.,

11) Additional Fish Handling Shed at Trawler Wharf (100m x 27m)

Pre-fishing activities involve preparing boats and manpower for sailing. It typically involves inspection of fishing boats, machineries, fishing nets, pulleys and motors and stocking up of fuel, ice, drinking water, provision, etc.,

12) Two Nos. of Northern Wharf, supporting with existing structure

Pre-fishing activities involves preparing boats and manpower for sailing. It typically involves inspection of fishing boats, machineries, fishing nets, pulleys and motors and stocking up of fuel, ice, drinking water provisions etc.,

13) Truck Paved parking area facility near proposed two & four wheeler parking area 2 Nos.

2 Nos. of proposed parking facilities viz. 27m x 35m and 28m x 35m in two locations will ensure organized parking of vehicles at these dedicated areas and help alleviate traffic congestions on the internal roads of the harbour.

14) Providing Two numbers of solar operated with electrical backup fish drying machine (1 Tonne capacity) including civil structure as Pilot Project

It is proposed to install mechanical and solar fish dryers at the harbour is a more efficient way of dehydrating fish, in a short period of time. The solar fish dryers are standalone structures which do not require electricity and providing electrical backup also, and which could provide high quality dried fish with no contamination.

15) Two -wheeler and Car Parking for administrative and commercial complex and two -wheeler parking shed in the Eastern side of the Administrative and commercial complex building

Many two-wheelers and cars belonging to the fishermen, vendors and buyers are parked at various places inside the Fishing Harbour in an unorganized manner. 2 nos. of proposed parking facilities viz. 22m x 16m and 22m x 4m in Two locations will ensure organized parking of vehicles at these dedicated areas and help alleviate traffic congestions on the internal roads of the harbour

16) Net Mending shed at southern side

The existing net mending sheds that are being utilized by the fishermen community. However, these sheds are operating at max capacity during peak days. Hence, the southern side new net mending shed construct with RCC structure with covered shed will shield fishermen, vendors, and labourers from the weather

17) New open shed with Arabian tent Roofing for fish cutting stalls near retail shops

The Prawn Sale Point are being utilized by the fishermen community. While selling Prawn some fishermen directly under the Sun and at times under rain. Hence, proposed to provide new open sheds with Arabian Tent roofing in that area

18) Proposed rooms for stacking unsold items in the rear side of fish cutting stall

Providing rooms for stacking unsold items in the rear side of fish cutting stall.

19) New open sheds with Arabian Tent roofing for prawn sale point

The Prawn Sale Point are being utilized by the fishermen community. While selling Prawn some fishermen directly under the Sun and at times under rain. Now, the Project Proponent proposed to provide new open sheds with Arabian Tent roofing in that area.

20 & 21) Low Level reservoir and Overhead Water Tank

The proposal is for 2,00,000 litres capacity Low-level reservoir and 1,00,000 litres capacity overhead tank. The project includes water distribution to all the major facilities inside the fishing harbour including water dispensing outlets at regular intervals in wharf area for intended use by fishing crafts.

22 & 23 Effluent Treatment Plant (ETP) & Sewage Treatment Plant (STP)

In order to properly segregate, store, process and dispose of the waste generated at the Chennai Fishing Harbour, it is proposed to develop a solid and liquid waste disposal mechanism including the aggregation and disposal of the waste. This waste management intervention will ensure a clean and sustainable environment inside and around the fishing harbour.

24) Dredging

The area of dredging is 4,54,214 sq.m. The quantity of dredged material is 5,60,000 Cum. It is proposed to carry out maintenance dredging activity within the fishing harbour to facilitate effective and optional utilization of harbour. The depth of the dredging is varying from 1- 2m in accordance with the site conditions. The dredged

materials are proposed to be transported through self-propelled dump barge (bottom open drop barge)

25) Controlled Entry and Exit Arrangements, Elevated Compound wall and 2 Nos. of Arched Entrance

It is proposed to construct Compound Wall 3 mtrs. high and 1700m long all along the periphery of the Chennai Fishing Harbour (East of EMRIP Road). The compound wall will have arched entrance at two of the three main gate. In addition, four wicket gates at all four underpasses will be provided.

Other details

- The total land area of the project is 2,42,800,Sq.m which is 59.97acres.
- The water spread area is 4,85,600,Sq.m which is 119.99 acres.
- The proposed facility is well within the existing area of 7,28,700,sq.m.
- The source of fresh water is met through Chennai Metro Water Tankers.
- 5 RO Plants of capacity 25 LPH and 2 Nos. of RO Plants capacity 500 LPH are to be proposed as Potable drinking water for users of Fishing Harbour.
- In existing phase, 154.67 Kw is equipped and its sourced from TANGEDCO. The existing will be used for proposed phase also. There are no sources of DG for power backup.

Project cost

Expected total cost of the projects is Rs.89.62 crores.

CRZ Classification of the Project

The proposed project site is falls under CRZ-IB, CRZ-II and CRZ-IVA areas.

Recommendation of DCZMA of Chennai district

The subject was placed before the DCZMA of Chennai district, in the meeting held on 31.08.2023 and the DCZMA has recommended the proposal to SCZMA, with the following conditions.

1. The project proponent should ensure that proposed activities in CRZ area are as per provisions of CRZ Notification, 2011.
2. No construction activity shall be started/ undertaken by the proponent until obtaining the CRZ clearance from the competent authority.

3. The project proponent shall modify & modernize the proposed project in consultation with the Department of Fisheries, Government of Tamilnadu according to their requirement with respect to the existing infrastructure facilities of the fishing harbour including vessel monitoring and control system.
4. The project proponent shall ensure that no construction of wharf shall be carried out for the purpose of handling trawler under the proposed modernization.
5. The project proponent shall develop software for the Vessel Monitoring and control system for the Harbour to upgrade the existing facility in consultation with the Fisheries Department, Government of Tamil Nadu.
6. The project proponent shall undertake the establishment only after getting the required Clearance form competent authorities such as planning permission, plan approval including the clearance under CRZ Notification, 2011 and other statutory clearances.
7. The Project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018.
8. Proper solid waste Management system shall be established for proper collection, transfer and disposal of solid waste including solid fish waste, trimmings from the auction hall and all other handling area in consultation with Greater Chennai Corporation.
9. The treated waste water shall be utilized for greenbelt development after proper treatment and disinfection.
10. The dredged/excavated materials shall be used for reclaiming the land and raising the existing reclaimed area.
11. Any Hazardous waste generated during construction/ operation phase shall be disposed off as per applicable rules and norms with necessary approvals of the TNPCB.
12. Oil containment boom and mop skimmer shall be established to manage in case of oil spill.
13. All the solid waste shall be handled as per the Solid waste Management Rules 2016 with coordination of Greater Chennai Corporation.
14. The project proponent should ensure that STP & ETP should be in adequate capacity.
15. Green belt shall be developed in consultation with District Forest Officer, Chennai division.
16. The project proponent shall provide suitable monitoring system for the implementation of "SUP Ban" in the premises and policy should be prepared with coordination with Tamil Nadu Pollution Control Board.
17. Vehicle monitoring system proposed should be discussed /consults with "Commissioner of fisheries".
18. The project proponent shall establish a facility for Ship braking yard for dismantling of boats and develop suitable system for the disposal of solid waste.

19. The Repair yard should be rain proof and the oil spillage needs to be collected, separated and disposal as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
20. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
21. The Proponent shall ensure the installation of safety measures for the public and marine eco- system.

The Project Proponent has submitted the compliance report to the above conditions, vide letter dated 07.02.2024.

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 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 yard, breakwaters, groynes, erosion control measures are permissible activities.
- Para 3(a), those directly related to waterfront or directly needing foreshore facilities are the permissible activity.
- Para 3 (i) (a) & 3 (iv) (b to d) construction for the foreshore facilities in CRZ and land reclamation, bunding or disturbing /the natural course of seawater for the construction or modernization or expansion of foreshore facilities like Ports, harbours, jetties etc., are permissible activities.
- However, Para 3(iii), setting up and expansion of Fish Processing Units including warehousing (except hatchery and natural fish drying in permitted areas) are prohibited activities. Hence, proposed activity of cleaning of Fish, is prohibited activity.
- 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 green belt activities including the percentage of area covered to be furnished by the Project Proponent (PP) and shall only plant native species as specified under the Green Tamil Nadu Mission.
- The Project Proponent needs to clarify on the usage of the Monitoring software iMAC. Since the iMAC headquarters is located in Gurgaon, he should clarify whether a separate control unit will be set up in Chennai for monitoring.

- The Project Proponent is requested to furnish details on the precautionary measures to be used in handling any cases of oil spill.
- The details regarding nature of material, area and quantity of disposal of dredged material that is collected during routine dredging activity shall be furnished. It is also necessary to furnish details of the model used to arrive at the quantity of dredged material.
- The Proponent shall look into possible reduction of activity in CRZ IV-A area.

With the above comments, the Expert Committee recommended the proposal for consideration by the Authority (TNSCZMA).

Agenda Item No.12 Establishment of National Centre for Coastal Research (NCCR) Field Research Centre for Sustainable Livelihood for Fishermen Communities in Gulf of Mannar at Pamban Village, Rameswaram Taluk, Ramanthapuram district by National Centre for Coastal Research (NCCR), Chennai

The National Centre for Coastal Research (NCCR) has proposed for the Establishment of "Field Research Centre for Sustainable Livelihood for Fishermen Communities in Gulf of Mannar" at Pamban Village, Rameswaram Taluk, Ramanthapuram district. The project information and EIA report prepared by M/s. ABC Techno Labs India Pvt. Ltd., Chennai having NABET certificate valid upto 24.05.2022 and got extension upto 20.07.2023.

Need for the Project

The highly productive coastal ecosystem and habitats that characterize the coastal areas support a number of living organisms. To give an impetus to fisheries sector, the Hon'ble Prime Minister of India has launched "Neel Kranti Mission" (Blue revolution) in 2016. This ambitious plan would have a multi- dimensional approach to all activities (tapping the coastal resources and enhance the productivity through aquaculture practices) concerned with all development of the fisheries sector as a modern world class industry in India. In order to protect the coastal system continuous research is required to understand the ecology. To facilitate this NCCR is planning to start research station at Pamban Village.

Land allotment

The Revenue and Disaster Management Department, Govt. of Tamil Nadu has transferred the land bearing S.No. 827, Extent of 4.69.5 hectares and S.No.829/2, Extent of 5.12.0 hectares of Pamban Village to NCCR (erstwhile ICMAM) for establishment of Field Centre for Integrated Coastal and Marine Area Management at Gulf of Mannar, vide G.O.(Ms.) No.27, Revenue and Disaster Management Department (Land Disposal Wing (LD.4(1)) Section), dated 24.01.2019.

Location of the project

S.No	Latitude	Longitude
1	9°16'42.88" N	79°12'29.47" E
2	9°16'42.45" N	79°12'30.79" E
3	9°16'42.23" N	79°12'30.73" E
4	9°16'41.80" N	79°12'32.45" E
5	9°16'41.02" N	79°12'32.47" E
6	9°16'40.29" N	79°12'33.05" E
7	9°16'38.90" N	79°12'32.50" E
8	9°16'38.24" N	79°12'32.91" E
9	9°16'37.85" N	79°12'32.16" E
10	9°16'37.13" N	79°12'31.83" E
11	9°16'36.30" N	79°12'30.22" E
12	9°16'35.75" N	79°12'30.02" E
13	9°16'35.17" N	79°12'30.46" E
14	9°16'32.35" N	79°12'36.44" E
15	9°16'30.97" N	79°12'33.85" E
16	9°16'29.18" N	79°12'33.48" E
17	9°16'30.43" N	79°12'28.70" E

S. No	Latitude	Longitude
18	9°16'30.26" N	79°12'28.38" E
19	9°16'30.54" N	79°12'28.38" E
20	9°16'30.54" N	79°12'26.74" E
21	9°16'31.43" N	79°12'25.12" E
22	9°16'30.93" N	79°12'24.95" E
23	9°16'30.83" N	79°12'23.58" E
24	9°16'30.23" N	79°12'23.56" E
25	9°16'29.82" N	79°12'22.73" E
26	9°16'30.27" N	79°12'20.86" E
27	9°16'32.66" N	79°12'21.20" E
28	9°16'32.75" N	79°12'21.53" E
29	9°16'33.76" N	79°12'22.48" E
30	9°16'36.93" N	79°12'24.71" E
31	9°16'39.19" N	79°12'27.48" E
32	9°16'39.81" N	79°12'28.19" E
33	9°16'40.91" N	79°12'28.69" E
34	9°16'42.57" N	79°12'29.08" E

Project description

The project mainly meant for protection of existing biosphere by production of fin and shellfish to enhance the livelihood of fishermen communities. In the proposed project, the following commercial, endangered and threatened species are being targeted initially for stock enhancement and sea ranching.

- i) Fishes (Seabass, grouper and seahorse)
- ii) Crustaceans (shrimps and carabs)
- iii) Gastropods (belonging to the families Strombidae, Muricidae, Conidae, Buccinidae, Melongenidae)
- iv) Sea cucumber (Holothuria atra and Holothuria scabra)

Depending on the availability of the brooders/ spawners and favorable season, the hatchery produced seed / juveniles will be released at suitable sites.

The Project Proponent has proposed to construct the following activities for Establishment of National Centre for Coastal Research (NCCR) Field Research Centre for Sustainable Livelihood for Fishermen Communities in Gulf of Mannar. The details of the construction and CRZ category is given below.

S.No	Description	Area (Sq.m)	CRZ Category
1	Toilet Block	127	IB (Intertidal Zone)
2	Compound Wall with motorable road	1087	IB (Intertidal Zone) and III (No Development Zone)
3	Monitoring Unit	295	
4	Project Site Office	1684	III (No Development Zone)
5	Office Building 2	689	III (No Development Zone)
6	Aquaculture Lab	1283	III (No Development Zone)
7	Solar Panel	898	III (No Development Zone)
8	Shore Lab	416	III (No Development Zone)
9	Guest House	198	III (No Development Zone)
10	Store	334	III (No Development Zone)
11	DG	110	III (No Development Zone)
12	EB	73	III (No Development Zone)
13	Security Room	190	III (No Development Zone)
14	Aquaculture (Hatchery, ornamental fish rearing unit) and allied structures	20,3589	IA (Mangroves) and IB(Intertidal Zone)
15	Open area/Green Belt	64,034	IB (Intertidal Zone) and III (No Development Zone)
Total		98,150	

Total built up area with CRZ Category

S.No	Description	Area (Sq.m)	CRZ Category
1	Toilet Block	127	IB (Intertidal Zone)
2	Compound Wall with motorable road	1087	IB (Intertidal Zone) and III (No Development Zone)
3	Monitoring Unit	295	
4	Project Site Office	1684	III (No Development Zone)
5	Office Building 2	689	III (No Development Zone)
6	Aquaculture Lab	1283	III (No Development Zone)
7	Solar Panel	898	III (No Development Zone)

8	Shore Lab	416	III (No Development Zone)
9	Guest House	198	III (No Development Zone)
10	Store	334	III (No Development Zone)
11	DG	110	III (No Development Zone)
12	EB	73	III (No Development Zone)
13	Security Room	190	III (No Development Zone)
	Total	7457	

Water resource

During construction phase, the water requirement of 3 KLD will be met from local arrangements and 3 KLD of water requirement for operational phase will be met through rainwater harvesting.

Effluent Treatment Plant

It is expected about 50 m³/day of hatchery drained water contains such as nitrogen, phosphorus suspended solids and organic matter will be discharged from the centre. The waste water treated with 10 ppm of active chlorine and aerated vigorously by a 3 HP air blower. After 24 hours of the chlorine is dechlorinated by sunlight. Once, de-chlorinated, the treated water will be taken to sedimentation tank for evaporation. In total there will not be any effluent let into sea.

Sewage Treatment facility

The expected manpower for the project is about 35 and expected sewage generation is about 1.2 m³/day. Since it is meager amount it is planned to have septic tank with soak pits.

Power requirement

As the proposed project is construction of field research centre. The source of power supply will be from Solar Panels and TANGEDCO.

CRZ Classification and Project Cost

The proposed project site is falling in CRZ-I(A) Mangroves, CRZ-IB (Intertidal Zone), CRZ-III (No Development Zone). The proposed project cost is Rs.25 crores.

Recommendations of DCZMA

The DCZMA of Ramanathapuram district has scrutinized the proposal in the meeting held on 02.06.2023 and submitted the following observations to the SCZMA.

- 1) In the CRZ map prepared by NCSCM based on approved CZMP, compound wall is found traversing the entire site boundary including CRZ-IB tidal influence area. It was mentioned that culverts would be provided and that tidal flow would not be affected. However, it is informed by the proponent that no studies in this regard have been carried out. Further the proponent submitted a NoC obtained from the Thasildar, Rameshwaram Taluk vide letter dated 06.10.2021 for the construction of compound wall.
- 2) In the CRZ map prepared by NCSCM based on approved CZMP, the toilet block is mentioned in CRZ IB area. The proponent vide letter dated 18.05.2023 stated that Toilet Block was erroneously mentioned and that during setting up the field Research Centre, the Toilet Block would be shifted to the neighbouring CRZ III (NDZ) area. However, the revised EIZ/EMP report in this regard has not been submitted.
- 3) The permissibility of construction activities in CRZ III (NDZ) was discussed and it was decided by committee that permissibility vide para 8 (III) (iii) (1) of CRZ Notification, 2011 may be considered as the project is beneficial to local fishing community. However, the construction of Guest House in non CRZ area may be explored.

After detailed discussion and deliberation, the DCZMA has recommended the proposal to SCZMA, subject to the following Specific and additional conditions.

Specific Conditions:

- a) The Eco sensitive Zone of Gulf of Mannar Marine National Park extends upto HTL of the project site.
- b) Toilets can be bio toilets but shall not be constructed in Eco-sensitive Zone.
- c) Compound wall adjoining ocean, must be porous. Existing compound wall shall be modified.
- d) No permanent construction shall be allowed in intertidal zone & No Development Zone. The office building, laboratory & Guest house shall be outside the No Development Zone.
- e) As the site is partially coming under Ecosensitive Zone of the Gulf of Mannar Marine National Park, there shall be "Wildlife Mitigation Plan" duly approved by Wildlife Warden Ramanathapuram & Chief Wildlife Warden of Tamil Nadu before commencement of the project.
- f) Mangrove Restoration Plan can be included in Wildlife Mitigation Plan.
- g) There should not be introduction of any exotic species. There should not be handling of any protected species under Wildlife Protection Act.
- h) The proposed coral cell shall work in co-ordination with Gulf of Mannar Marine National Park.

Additional Conditions:

- a) Studies regarding impact of Tidal Inflow due to the proposed project shall be carried out and the reports of the same shall be submitted before the commencement of the project.
- b) The Unit shall obtain consent to establishment orders from the TNPC Board for the proposed NCCR Field Research Centre at Pamban Village, Rameshwaram Coast, Ramanathapuram District under the Water & Air Acts, after obtaining CRZ clearance.
- c) The project proponent shall ensure that there shall not be any damage to the marine aquatic animals due to proposed construction of NCCR Field Research Centre at Pamban Village, Rameshwaram Coast, Ramanathapuram District in the CRZ area.
- d) The construction debris and other type of waste shall not be disposed of into the CRZ areas.
- e) The project proponent shall start the construction activities only after obtaining CRZ clearance from the Competent Authority.

The Project Proponent has submitted replies to the above conditions vide letter dated 29.11.2023. The Proponent has also stated that as per permission of District Revenue Officer, Rameswaram in letter dated 27.09.2021 the compound wall was constructed as a measure to safeguard government assets and to avoid further encroachment.

Provisions in the CRZ Notification, 2011

- As per the CRZ Notification, 2011, Para 3 (iii), setting up and expansion of fish processing units including warehousing is prohibited **except** hatchery and natural fish drying in permitted areas:
- As per Para 8 (i) (III) CRZ-III, A (iii) (l) facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like are permissible activities in CRZ-III (No Development Zone).
- As per Para 8 (i) (III) CRZ-III, A (iii) (g), facilities for generating power by non-conventional energy sources is also permissible.
- As per 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 (ii) (h), the proposal may be recommended to MoEF & CC, Govt. of India.

Remarks of the Technical Expert Committee

- The project proponent is requested to furnish the details of construction activities involved in the project
- Justification to carry out the project in the CRZ - IA area needs to be furnished.
- The Proponent must ensure that there shall be no destruction of mangroves in the project area and Mangrove rehabilitation/ compensatory afforestation shall be taken up
- The Committee noticed that there is a compound wall which is built recently in CRZ-III (A) area. The Proponent has informed that this was built to prevent encroachments in the CRZ zone by the revenue administration. However, this may be brought to the notice of TNCZMA.

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

Agenda Item No.13

Reconstruction of Arulmigu Kothandaramaswamy Temple Building Complex at S.No. 1053, Rameswaram Village, Rameswaram Taluk, Ramanathapuram district by the Joint Commissioner / Executive Officer, Arulmigu Kothandaramaswamy Temple, Hindu Religious and Charitable Endowments Department, Rameswaram (Single Window No. SW/156210/2023)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Ramanathapuram has forwarded a proposal received from the Joint Commissioner / Executive Officer, Arulmigu Kothandaramaswamy Temple, Hindu Religious and Charitable Endowments Department, Rameswaram for the proposed reconstruction of Arulmigu Kothandaramaswamy Temple Building Complex at S.No. 1053, Rameswaram Village, Rameswaram Taluk, Ramanathapuram district. The project information and EIA report prepared by M/s. Eco Services India Pvt. Ltd., Chennai having NABET certificate No. NABET/EIA/2124/RA 0214 (Rev.01) valid upto 02.04.2024

Need for the project

The Kothandaramaswamy Temple is an ancient historic structure is estimated to be constructed before 500-1000 years. It is believed that at this place Vibhishanan (Brother of Ravana) waved the white flag to surrender before Rama. In this Temple Rama bestowed his followers with Sita, Lakshman, Hanuman, and Vibhishanan and is encompassed by ocean water on all of its sides. A narrow street leads us to the Kodandarama Swamy temple, hence making the outlandish temple an interesting spot to day explore the area in Rameshwaram. The temple is located approx. 13 km from the Remeswaram. The temple is the only historical structure to survive the 1964 cyclone that washed away Dhanushkodi. Now, the Hindu Religious and Charitable Endowments Department has proposed to reconstruct the temple in an environmentally friendly manner to manage the liquid and solid waste generated from the project activity. The reconstruction is proposed to provide the good infrastructure and environmentally friendly surroundings for the pilgrims / visitors / tourists.

The project site is located at Survey No. 1053, Rameshwaram Village, Remeswaram Taluk, Ramanathapuram District, Tamil Nadu. It is located in the vicinity of

Palk Bay and the project site entirely falls in CRZ-II as per the approved CZMP (Map No. TN 40).

Project site description

The project site is located at 9° 13' 58.34"N latitude and 79°20'52.31"E longitude. The Project is located at the southernmost tip of the island. The project site is surrounded by Bay of Bengal and the island connects to main city Remeswaran by the narrow stretch of land towards the South west of the project site.

Project components

The proposed reconstruction of Kothandaramaswamy Temple Building Complex will comprise of Temple Complex with Entrance Gopuram, Mandapams, Madapalli, Admin building, Store, Retail Shops, and Common Toilet with total built-up area of 2,645 sq.m in the total land extent of 24,135 sq.m. The detailed break-up of land and total built-up area of the proposed building are given below.

Sl. No.	Description	Area in sq.m
a.	Total Ground Coverage area of building	2,645
b.	Green belt area	3,134
c.	Roads & Pavements	9,546
d.	Surface Parking	1,949
e.	Utilities area (Theertha & Nizhal Mandapam & Open Sit out area)	641
f.	Vacant area	6,220
	Total land area	24,135

Breakup of total built-up area

Sl. No.	Description	No. of Floors	Area in sq.m
1	Temple complex with entrance Gopuram	Ground Floor	1890.50
2	Common Toilet Block	"	136.50
3	Madapalli	"	136.50
4	Admin	"	136.50
5	Store	"	136.50
6	Retail Shop	"	185.50
7	Security Cabin	"	23.00
	Total		2645

Occupancy:

The daily visitor of the temple ranges from 1000 to 1500 persons in weekdays and 5000 to 10000 in weekend days. The visitors will spend around 1 to 1.5 hrs in the temple building complex towards temple worship and sightseeing. Thus, the temple staff with 25 nos. and temporary visitors of 300 nos. is considered for providing environment management in the project site.

Water requirement and Wastewater management

Water requirement for the project during construction is primarily for preparation of mortar, PCC, RCC, curing, sprinkling and domestic uses (construction work force). It is estimated that about 1 KLD of water is required during peak construction periods. This would be sourced from private water tankers. The sewage generated from the toilets would be disposed through septic tank with soak pit arrangement.

Total water requirement is estimated to be 17 KLD for operation of the Kothandaraman Temple at full occupancy on daily basis. The fresh water required will be met through private water tankers. 15 Common toilets are proposed within the temple complex to provide hygiene sanitation. The sewage generated from the toilets will be treated in Septic tank with soak pit arrangements.

Solid Waste Management

The solid waste from the Temple Building Complex will comprise of biodegradable wastes like domestic food waste, horticultural waste etc. and non-biodegradable / recyclable waste like plastics, paper etc., The quantity of solid waste generated is expected to be about 0.1-0.2 kg/capita/day for Temple complex.

Power requirement & Energy conservation

The total power requirement during the operational phase of the buildings is about 20 KVA which will be sourced through dedicated solar panels.

Recommendation of DCZMA of Ramanathapuram

The proposal has been placed before the DCZMA of Ramanathapuram district in the meeting held on 13.07.2023. During the discussion, the Forest Department has been requested to clarify whether the project area covers any Reserve Forest. Accordingly, the Forest Department stated that the S. No. 1053 Rameswaram Village does not fall within the boundaries of the Rameswaram Reserved Forest Areas.

After the detailed discussion and deliberation, the DCZMA has recommended the proposal to MoEF & CC, Govt. of India through SCZMA, subject to the following conditions:

- i. The project proponent shall ensure that there shall not be any damage to the marine aquatic animals due to proposed project.
- ii. The project proponent shall ensure that there shall not be any disturbance/harm occurs to any adjoining Rameswaram Reserve Forests areas. In the event of any impact, it is imperative that corrective actions shall be taken by the project proponent.
- iii. The project proponent shall not carry out dredging and piling in lagoon area as it will affect the ocean eco system.
- iv. The construction debris and other type of waste shall not be disposed into the CRZ areas.
- v. The project proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority and permission from DTCP.

The Project Proponent has submitted replies to the above conditions vide letter dated 06.12.2023

CRZ Classification and cost of the project

The total project site boundary and proposed construction activities are falling in CRZ-II areas and the total cost of the project is Rs.39 crores.

Provisions as per the CRZ Notification, 2011

- Para 8 (i) II CRZ-II (i), building shall be permitted only on the landward side of the existing road or on the landward side of the existing building.
- Para 8 (i) 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 existing local town and country planning regulations including the '**existing**' norms of Floor Space Index or Floor Area Ratio

- Para 8 (i) II CRZ-II (iii), reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use.
- Para 4 (ii) (i), Demolition and reconstruction of Demolition and reconstruction of (a) buildings of archaeological and **historical importance**, heritage buildings; and buildings under public use which means buildings such as for the **purposes of worship**, education, medical care and cultural activities, are permissible and shall require clearance from MoEF & CC, GoI, after being recommended by the SCZMA.

Remarks of the Technical Expert Committee

- Raising a bio-fence or using eco-friendly alternatives in place of compound wall may be considered by the Project Proponent.
- The PP is requested to obtain NoC from Archeological Department, if applicable as the temple is considered ancient and heritage.
- A study has to be done to ascertain erosion in the project area in last 10-15 years. If data on erosion is already available with NCCR/NCSCM, it can be placed before the TNSCZMA.
- The details of the percentage of road and paver block covered in the overall project site should be segregated.
- The project area should be maintained plastic free zone.
- Green belt activities shall be increased wherever possible
- Proper sewage disposal shall be carried out and care should be taken to avoid any seepage of sewage water into the sea water.
- The proponent should display 3D walk through of the project while presenting to the Authority.

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

Agenda Item No.14

Renovation and Redevelopment at S.F.No. 487 & 490, Muttom Beach in Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district by the General Manager, Tamil Nadu Tourism Development Corporation Ltd., Chennai (Single Window No. SW/167644/2024)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagercoil has forwarded a proposal received from General Manager, Tamil Nadu Tourism Development Corporation Ltd., (TTDC), Chennai for the proposed "Renovation and Redevelopment at S.F.No. 487 & 490, Muttom Beach in Kadiapattinam Village, Kalkulam Taluk, Kanyakumari 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 Muttom Beach and Thirparappu Falls Kanyakumari district tourism activities" at an estimated cost of Rs7.15 crores.

As the pace of urbanization and industrialization accelerates, many cities have few opportunities for recreation and open green space. Expanding riverside trails will provide residents with new recreational opportunities and increase awareness of the natural aspects of river life. Waterfront promenades will attract more and more for, morning walkers and after-work runners. The form of urban redevelopment can transform riverfront areas from marginal use and neglect into centres of public activity and private investment. In this daily exchange of ideas and perspectives, cities find the energy where drive to persistently improve and redesign themselves. Against this background, the Tamil Nadu Tourism Development Authority proposed to the Government of Tamil Nadu the development of Muttom Bay with various facilities.

Location of the project

The project site is located at Muttom Village, Kalkulam Taluk, Kanniyakumari District, Tamil Nadu, with total area of 11.51 Acres including S.F Nos 487 & 490. The total proposed land belongs to Tamil Nadu Tourism Development Board. The geographic locations having 8°04'50.72" N latitude and 77° 32'24.79" E longitude. The details of location of the project is given below.

Description	Label	Latitude	Longitude
Site Boundary	A	8°07'35.451" N	77° 18'48.472" E
	B	8°07'28.183" N	77° 18'56.161" E
	C	8°07'25.305" N	77° 18'53.620" E
	D	8°07'25.771" N	77° 18'48.705" E
	E	8°07'29.299" N	77° 18'46.120" E
	F	8°07'29.976" N	77° 18'50.547" E
	G	8°07'29.516" N	77° 18'53.897" E

Details of the proposed activities

The proposed structures of the project site is around 3499 Sq.m and the proposed structures which includes the construction of sanitary block, children play area, central plaza, parking area.

Sl. No.	Proposed structures	Sq.m
1	Sanitary Block	178.52
2	Children's play Area	455.53
3	Central Plaza	700
4	Parking Area	2165.42
	Total Area	3499.47

Renovation of the existing structure in project site:

Renovation and Redevelopment of Muttom are as follows to be renovated are Platform for Landscape Element Connecting, Staircase on the Rock, Sun Dial, Visitor Pavilion, Visitor Pavilion, Visitor Pavilion, Visitor Pavilion, Souvenir Shop, Souvenir Shop, Pump House, Ticket Counter. The details of existing and renovation and the structures of existing and renovation and the layout are given below.

Details of existing & renovation are as Follows:

Sl. No.	Existing Structures	Sq.m.
1	Platform for Landscape Element	8.18
2	Connecting Staircase on the Rock	16.51
3	Sun Dial	63.88
4	Visitor Pavilion - 4	44.87
5	Visitor Pavilion - 5	24.96
6	Visitor Pavilion - 6	28.75
7	Souvenir Shop - 7	71.37
8	Souvenir Shop - 8	71.63
9	Pump House	67.97
10	Ticket Counter	44.31
	Total	442.43

CRZ Classification of the project site and proposed development

Description	CRZ - Classification	Area in Sq.m	Total Area in Sq.m
Project Site Boundary	CRZ - IB	7013.70	46577.36
	CRZ - III (NDZ)	39563.66	
Proposed Development	CRZ - III (NDZ)	3499.00	3499.00
Existing structures to renovate	CRZ - IB	67.80	442.00
	CRZ - III (NDZ)	374.20	

Power requirement

The Power supply during the construction phase is used by diesel generator which produces an output power of 7.5 kW and the power supply during the construction phase will be produced through TANGEDCO where the 6 kW of output power is produced.

Solid waste

The Solid waste generation per day is 28 kg per day. It will be disposed by Village Panchayat as per Solid Waste Management - 2016 norms.

Sl. No.	Source	No. of Persons	Generation rate kg/person/day	Quantity (Kg/day)
1	Employee	10	0.2	2
2	visitors	1300	0.02	26
Total				28

Wastewater Management

The proposed project is expected 1300 Nos. of tourist per day. For the wastewater management perspective 25000 liters of capacity septic tank is proposed to meet the sewage and it will be disposed through tanker lorry.

Manpower Requirement

The manpower requirement during construction phase is 25 Nos. Manpower during operation phase is 10 Nos.

Water requirement

Water requirement during construction phase will be approximately 1 KLD where the water transported through water tanker. The total water requirements during operation phase of the Muttom will be 20 KLD which will be sourced from local panchayat.

CRZ Classification and cost of the project

The proposed facilities are falls in CRZ-IB, CRZ-III (No Development Zone) and expected cost of the project is Rs.2.84 crores.

Recommendation of DCZMA of Kanyakumari district

The proposal was placed before the DCZMA of Kanniyakumari district on 20.11.2023 and the DCZMA has recommended the proposal to SCZMA.

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 (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.
- There is no proposed new structure in CRZ-IB and only the renovation activities are proposed in the existing structure.
- 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 PP is requested to present Google Earth View and 3D walkthrough of the project while presenting before the Authority.
- The DCZMA may specifically mention the CER activities which the project proponent would commit.

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

Agenda Item No.15

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. Accordingly, the proposal was placed before the 122nd meeting of TNSCZMA.

Minutes of the 122nd Meeting of the TNSCZMA held on 09.11.2023

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.

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.**

Representation received from Project Proponent

The Project Proponent in letter dated 06.02.2024 (received on 16.02.2024) has stated that as suggested by the TNSCZMA, the master plan has been revised to re-orient the amenity block and include less concrete in the structure and submitted the revised master plan for consideration.

Remarks of the Technical Expert Committee

- The PP should submit the revised HTL Demarcation map in line with the revised project layout.
- The Project Proponent shall present a 3D walkthrough of the revised project layout.
- Earlier the TNSCZMA has asked the TEC members to inspect the site.

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

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

Sd./- xxxx

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

Minutes of the 123rd meeting of Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 23.02.2024

The Member Secretary welcomed all the members of SCZMA, for the 123rd meeting of the TNSCZMA.

Agenda Item No. 01: Confirmation of the minutes of the 122nd meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.11.2023

The minutes of the 122nd meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.11.2023, communicated to the Members of the Authority in letter No. P1/1950/2021 dated 28.11.2023 of the Director of Environment & Climate change, was confirmed.

Agenda Item No.02: The action taken on the decisions of 122nd meeting of the Authority held on 09.11.2023

The Member Secretary briefed the Members about the action taken by the Department of Environment and Climate Change on the decisions made during the 122nd meeting held on 09.11.2023.

**Agenda Item No.03: Establishment of Ice Plant at S.F.No. 518/3, Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district by Thiru A. Joseph Stalin, Kizha Muttom Village, Kalkulam Taluk, Kanyakumari dist.
(Single Window No. SW/140467/2023)**

Project Cost: Rs.2.99 crores

CRZ Classification:

The project falls in the CRZ-III (200m to 500m) area

The SCZMA has 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 16.10.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee during their presentation.

Provision in the CRZ Notification, 2011

- As per CRZ Notification, 2011, the activity is permissible in CRZ-III (A) No Development Zone.
- As per Para 4(i) (d) of the said Notification, the proposal may be recommended to DTCP, for issuing Clearance.

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 per the proposal.
2. The proposed construction should conform 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 that adequate safety precautions are provided for handling ammonia in the proposed ice plant.
4. The Proponent shall strictly adhere to 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 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 as a part of environmental activities.
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. 4: Proposed "Relaying of existing Bituminous Concrete Road at Thiruvanmiyur Village, Velachery Taluk, Chennai district" by Greater Chennai Corporation
(Single Window No. SW/156112/2023)

Project Cost: Rs.46.86 lakhs.

CRZ Classification:

The project 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 Chennai district in the meeting held on 31.08.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Decision / Remarks of TNSCZMA

The proposal was not placed before the Authority as the Proponent had withdrawn the proposal.

Agenda Item No. 5: 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 crore.

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

The SCZMA had already reviewed the proposal in the 122nd meeting held on 09.11.2023. The decision / remarks of the 122nd meeting of TNSCZMA are as follows.

- 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.

The replies submitted by the Project Proponent in letter dated 05.12.2023 was placed before the Technical Expert Committee (TEC) constituted by Government of Tamil Nadu to examine the proposals which require CRZ Clearance. The TEC has suggested that since there is no solid justification on the strategic importance of the project, the Committee is of the opinion that the Project Proponent may seek alternate land outside CRZ to carry out this project.

Decision / Remarks of 123rd TNSCZMA meeting

Considering the above facts and the observations of the Technical Expert Committee, the Authority decided that the Project Proponent may seek alternate land outside CRZ to carry out this project.

Agenda Item No.6: Construction of Beach Resort at S. No. 87/1B, 87/1A2, 87/2, 81/1B1A, 81/2B2 at Kannirajapuram Village, Kadaladi Taluk, Ramanathapuram district by M/s. K four Apartments & Hotels Pvt Ltd., Madurai (Single Window No. SW/170209/2024)

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.

Decision / Remarks of TNSCZMA

The Authority decided to recommend to MoEF&CC, GoI to issue an amendment to change the Survey No. as 81/1B1A in place of the Survey No. 87/1B1A.

Agenda Item No.7: Proposed installation of Skid mounted Compressed Bio Gas (CBG) Storage Unit along with its prefabricated portable computer room in the CRZ-III (NDZ) within the existing site at S.F.No. 135/2A (Part), SIPCOT Phase-II, Semmankuppam Village of Cuddalore Taluk and district by M/s. Covestro (India) Pvt. Ltd., Cuddalore (Single Window No. SW/149921/2023)

Project Cost: Rs.3.00 crores

CRZ Classification:

The project falls in the CRZ-III (No Development Zone) 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 Cuddalore district in the meeting held on 22.09.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Provisions as per CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 8 III CRZ-III A (iii) (e), facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II of said notification is permissible activities.
- 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:

1. No ground water from Coastal Regulation Zone shall be tapped for the project.
2. All the solid waste shall be handled as per the Solid Waste Management Rules 2016.
3. The project proponent shall undertake green belt development all along the periphery of the project area and also alongside the road.
4. The Project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
5. The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.
6. All safety standards and precautions should be adhered.

Agenda Item No. 8 **“Underground laying of Natural Gas Transportation Pipeline passing through Uppanar River approximately a length of 0.255 km²s out of the total length of 29.197 km from Palayapalayam Village, Sirkali Taluk to Memathur Village Tharangambadi Taluk, Nagapattinam District” proposed by M/s. GAIL (India) Ltd., Karaikkal**

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 Mayiladuthurai district in the meeting held on 08.11.2023 and the replies submitted by the Project Proponent on the remarks of the Technical Expert Committee, during their presentation.

Decision / Remarks of TNSCZMA

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

- All the conditions imposed by the DCZMA in the meeting held on 08.11.2023 should be followed.
- All the conditions stipulated by the TNSCZMA for CRZ Clearance vide, Environment, Climate Change & Forest Department, Govt. of Tamil Nadu letter No. 2586/EC.3/2022-1, dated 21.03.2022 shall be followed in letter and spirit.

Agenda Item No.9 Establishment of Edible Oil Storage Terminal at 'O' Yard in Area-I (North) of Chennai Port Area by M/s. KTV Oil Mills Pvt. Ltd., Chennai (Single Window Number. SW/152967/2023)

Project Cost: Rs.4.90 crores

CRZ Classification:

The project falls in the CRZ-II 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 Chennai district in the meeting held on 08.11.2023 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 Para 3(ii)(a) of CRZ Notification, 2011, Setting up of new industries and expansion of existing industries except those directly related to waterfront or directly needing foreshore facilities is prohibited activities.
- As per Para 4 (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.

- As per Para 8 (i) II CRZ-II, storage of non-hazardous cargo, such as edible oil, fertilizers and food grain in notified ports, is permissible activities.
- As per Para 4(ii)(d), laying of pipelines, conveying system, transmission line are permissible activities and should obtain clearance from MoEF& CC, GoI.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the proposal to MoEF& CC, GoI with the following conditions.

1. The project proponent shall comply with the provisions of CRZ Notification 2011.
2. No Construction activity shall be started / Undertaken by the proponent until obtaining the CRZ clearance.
3. Appropriate facility shall be provided for collection of oil spillage, around the take form area.
4. Construction of storage tanks shall satisfy the prescribed standard norms by the competent authority.
5. The project proponent shall store only edible oil in the storage tanks as proposed.
6. The Unit shall lay pipelines only for the purpose of transferring edible oil from wharf to their proposed storage terminal within the Chennai Port area.
7. No extraction of ground water shall be carried out within the coastal Regulation zone area.
8. The project activity should not affect the coastal ecosystem including marine flora and fauna.
9. Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
10. The project proponent shall adhere to the Construction and Demolition Waste Management Rules 2018.
11. The project proponent shall provide suitable monitoring system for the implementation of "SUP BAN" in the premises and policy should be prepared with co-ordination with Tamil Nadu Pollution Control Board.
12. In case of any leakage of pipeline, immediate remedial measures should be ready for execution.
13. The project proponent has offered for a voluntary contribution of 1% of the total project cost to EMAT, for carrying out the environmental related activities.

Agenda Item No.10 Proposed construction of Heritage and Cultural Complex named "Bharatamritam" at S.F.No. 98/1, 98/2, 98/3B1 etc., at Poonjeri Village, Tirukazhukundram Taluk, Chengalpattu district by M/s. Mata Amrithanandamayi Mandir Trust, Chennai. (Single Window No. SW/171372/2024)

Project Cost: Rs.327.39 crores

CRZ Classification:

The project 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 Chengalpattu district in the meeting held on 22.01.2024 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) of the said notification, dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose is only prohibited activity.
- However, there are no construction activities in CRZ area. The entire building structures of more than 20,000 sq.mtr built up area are falling outside CRZ.
- Hence, as per 4 (i) (d) of CRZ Notification, 2011, the proposal may be forwarded to SEIAA.

Decision / Remarks of TNSCZMA

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

1. There shall be no construction activity in CRZ area.
2. The project proponent shall not draw any ground water within the CRZ area and if the water needs to be extracted from outside CRZ area, NoC from the Central Ground Water Board shall be obtained for drawal of Ground Water.
3. The Project Proponent should obtain planning permission for their proposed construction from the Department of Town and Country Planning.
4. The project proponent shall obtain the Environmental Clearance from the State Level Impact Assessment Authority.
5. The Project Proponent shall provide adequate capacity of sewage treatment plant for the treatment and disposal of sewage generated within the premises. The Unit shall utilize the treated sewage generated after disinfection for toilet flushing and for green belt development within the premises after achieving discharge standards prescribed by the Tamil Nadu Pollution Control Board.
6. The Project Proponent shall segregate the municipal solid waste generated as Bio-degradable and Non Bio-degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, 2016. Proper

- arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas, by providing Organic Waste Converter(OWC)
7. The Proponent may explore the possibilities of environmentally sustainable energy sources wherever possible.
 8. The project proponent shall provide LED lighting arrangement for the entire premises to save electricity power consumption.
 9. The project proponent shall provide first aid boxes at suitable locations for easy access.
 10. The project proponent shall establish Environment Management Cell to administer and monitor the recommendations made in the Environmental Management Plan as contained in the EIA report of the project and shall be effectively implemented.
 11. The project proponent shall create Green Belt to the maximum extent and utilize the rain water to the maximum extent.
 12. The project proponent is requested to consult with the Forest Department and plant native species.

Agenda Item No.11 Modernization and Upgradation of existing Chennai Fishing Harbour at Kasimedu of Chennai district by the Fishing Harbour Management Committee of M/s. Chennai Port Trust (Single Window No. SW/170245/2024)

Project Cost: Rs.89.62 crores

CRZ Classification:

The project 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 Chennai district in the meeting held on 31.08.2023 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, vide Para 4 (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 yard, breakwaters, groynes, erosion control measures are permissible activities.
- Para 3(a), those directly related to waterfront or directly needing foreshore facilities are the permissible activity.

- Para 3 (i) (a) & 3 (iv) (b to d) construction for the foreshore facilities in CRZ and land reclamation, bunding or disturbing /the natural course of seawater for the construction or modernization or expansion of foreshore facilities like Ports, harbours, jetties etc., are permissible activities.
- However, Para 3(iii), setting up and expansion of Fish Processing Units including warehousing (except hatchery and natural fish drying in permitted areas) are prohibited activities.
- 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

As per the CRZ Notification,2011 Para 3(iii), setting up and expansion of Fish Processing Units including warehousing (except hatchery and natural fish drying in permitted areas) are prohibited activities.

Hence, the Authority has deferred the proposal at this stage and instructed the Project Proponent to resubmit the proposal. The modified proposal will be considered after fresh recommendation of DCZMA.

Agenda Item No.12 Establishment of National Centre for Coastal Research (NCCR) Field Research Centre for Sustainable Livelihood for Fishermen Communities in Gulf of Mannar at Pamban Village, Rameswaram Taluk, Ramanthapuram district by National Centre for Coastal Research (NCCR), Chennai
(Single Window No. SW/170822/2024)

Project Cost: Rs.25 crores

CRZ Classification:

The project falls in the following CRZ area, CRZ-I(A) Mangroves, CRZ-IB (Intertidal Zone), 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 Ramanathapuram district in the meeting held on 02.06.2023 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 the CRZ Notification, 2011, Para 3 (iii), setting up and expansion of fish processing units including warehousing is prohibited except hatchery and natural fish drying in permitted areas:*
- *As per Para 8 (i) (III) CRZ-III, A (iii) (I) facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like are permissible activities in CRZ-III (No Development Zone).*
- *As per Para 8 (i) (III) CRZ-III, A (iii) (g), facilities for generating power by non-conventional energy sources is also permissible.*
- *As per 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 (ii) (h), the proposal may be recommended to MoEF& CC, Govt. of India.*

Decision / Remarks of TNSCZMA

The Authority decided to recommend the proposal to MoEF&CC, GoI with the following conditions.

- 1) The Project Proponent should avoid any activity that causes destruction of the sporadic presence of mangroves at the project site. In case of unavoidable scenario, adequate restoration and compensatory plantation has to be ensured.
- 2) No permanent construction shall be allowed in Intertidal Zone & No Development Zone.
- 3) As the site is partially coming under Eco-sensitive Zone of the Gulf of Mannar Marine National Park, there shall be "Wildlife Mitigation Plan" duly approved by Wildlife Warden, Ramanathapuram & Chief Wildlife Warden of Tamil Nadu before commencement of the project. The project proponent shall also ensure that there shall not be any damage to the marine aquatic animals.
- 4) Mangrove Restoration Plan can be included in Wildlife Mitigation Plan.
- 5) There should not be introduction of any exotic species. There should not be handling of any protected species under Wildlife Protection Act.
- 6) The proposed coral cell shall work in co-ordination with Gulf of Mannar Marine National Park.
- 7) Studies regarding impact of Tidal Inflow due to the proposed project shall be carried out and the reports of the same shall be submitted to the DCZMA, before the commencement of the project.
- 8) The Unit shall obtain Consent to Establish from TNPCB for the proposed NCCR Field Research Centre at Pamban Village, Rameshwaram Coast, Ramanathapuram District under the Water & Air Acts, after obtaining CRZ clearance.

- 9) The construction debris and other type of waste shall not be disposed of into the CRZ areas.
- 10) The project proponent shall start the construction activities only after obtaining CRZ clearance from the Competent Authority.

Agenda Item No.13 **Reconstruction of Arulmigu Kothandaramaswamy Temple Building Complex at S.No. 1053, Rameswaram Village, Rameswaram Taluk, Ramanathapuram district by the Joint Commissioner / Executive Officer, Arulmigu Kothandaramaswamy Temple, Hindu Religious and Charitable Endowments Department, Rameswaram (Single Window No. SW/156210/2023)**

Project Cost: Rs.39 crores

CRZ Classification:

The project 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 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

- Para 8 (i) II CRZ-II (i), building shall be permitted only on the landward side of the existing road or on the landward side of the existing building.
- Para 8 (i) 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 existing local town and country planning regulations including the '**existing**' norms of Floor Space Index or Floor Area Ratio
- Para 8 (i) II CRZ-II (iii), reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use.
- Para 4 (ii) (i), Demolition and reconstruction of Demolition and reconstruction of (a) buildings of archaeological and **historical importance**, heritage buildings; and buildings under public use which means buildings such as for the **purposes of worship**, education, medical care and cultural activities are permissible and shall require clearance from MoEF& CC, GoI, after being recommended by the SCZMA.

Decision / Remarks of TNSCZMA

The Authority decided to recommend the proposal to MoEF & CC, GoI with the following conditions

- 1) A letter should be obtained from Archeological Survey of India to the effect that the temple is not in their Archeological list of Heritage Structures.
- 2) Raising a bio-fence or using eco-friendly alternatives in place of compound wall may be considered by the Project Proponent.
- 3) The project area should be maintained as plastic free zone.
- 4) Green belt activities shall be increased wherever possible.
- 5) Proper sewage disposal shall be carried out and care should be taken to avoid any seepage of sewage water into the sea water.
- 6) The Project Proponent shall ensure that there shall not be any damage to the marine aquatic animals due to proposed project.
- 7) The project proponent shall ensure that there shall not be any disturbance/harm to adjoining Rameswaram Reserve Forest areas. In the event of any impact, it is imperative that corrective actions shall be taken by the project proponent.
- 8) The project proponent shall not carry out dredging and piling in lagoon area as it will affect the ocean eco system.
- 9) The construction debris and other type of waste shall not be disposed into the CRZ areas.
- 10) The project proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority and permission from DTCP.

Agenda Item No.14 **Renovation and Redevelopment at S.F.No. 487 & 490, Muttom Beach in Kadiapattinam Village, Kalkulam Taluk, Kanyakumari district by the General Manager, Tamil Nadu Tourism Development Corporation Ltd., Chennai**
(Single Window No. SW/167644/2024)

Project Cost: Rs.2.84 crores

CRZ Classification:

The project falls in the following CRZ areas, CRZ-IB, 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 Kanniyakumari district in the meeting held on 20.11.2023 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 (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, playfield and forestry are the permissible activities in CRZ (No Development Zone) area.
- There is no proposed new structure in CRZ-IB and only the renovation activities are proposed in the existing structure.
- 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 proposal to SEIAA with the following conditions.

- 1) No permanent structures should be allowed in the CRZ-IB area.
- 2) The proposed construction should not disturb the land and marine ecology.
- 3) No ground water from Coastal Regulation Zone area shall be tapped for the proposed project.
- 4) The project proponent shall provide bio-toilet with leach pit arrangement for the treatment and disposal of sewage generated.
- 5) All the solid waste generated from the proposed activity shall be handled as per the Solid Waste Management Rules 2016.
- 6) The proposed project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
- 7) The project proponent shall comply with the Environmental Management Plan both during construction and operational phases.
- 8) The proposed construction shall comply with the Construction and Demolition Waste Management Rules, 2016.
- 9) The project proponent shall undertake the establishment only after getting the required Clearances form the competent authorities.
- 10) The Proponent may explore the possibilities of tapping environmentally sustainable energy sources wherever possible.

Agenda Item No 15: 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)

Minutes of the 122nd Meeting of the TNSCZMA held on 09.11.2023

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.

Decision / Remarks of TNSCZMA during 122nd meeting

- 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.

Representation received from Project Proponent

The Project Proponent in letter dated 06.02.2024 (received on 16.02.2024) has stated that as suggested by the TNSCZMA, the master plan has been revised to re-orient the amenity block and include less concrete in the structure and submitted the revised master plan for consideration.

Decision / Remarks of TNSCZMA

The Authority scrutinized the revised master plan and revised HTL Demarcation map submitted by the Project Proponent and felt that the revised plan not obstructs the

aesthetic and scenic view of mangroves. Finally, the Authority decided to recommend the proposal to MoEF& CC, Govt. of India, 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. No ground water from Coastal Regulation Zone area shall be tapped for the project.
5. 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.
6. All the solid waste shall be handled as per the Solid Waste Management Rules 2016.
7. The Project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
8. The Proponent shall comply with the Environmental Management Plan both during construction and operational phases.
9. The construction shall be designed and constructed in accordance to the seismic factors applicable to moderate intensity zone.
10. The construction shall comply with the Construction and Demolition Waste Management Rules, 2016.
11. 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.
12. The Proponent may explore the possibilities of tapping environmentally sustainable energy sources wherever possible.
13. Facilities for first aid shall be maintained at the premises.

Agenda Item No.16 Additional Agenda points

Item No. 1 Development of Green Belt within the CRZ area over an extent of 27.826 acres falling in SIPCOT industrial park, Cuddalore phase-II by SIPCOT, Cuddalore (Single Window No. SW/172725/2024)

Project Cost: Rs.15.50 Lakhs

CRZ Classification: The project falls in the CRZ-III (No Development Zone)

The SCZMA examined the recommendation of the DCZMA of Cuddalore district in the meeting held on 19.02.2023.

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).

Decision / Remarks of TNSCZMA

The Authority decided to recommend the proposal to Local Planning Authority with the following conditions

- The Proponent should ensure that only 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.
- The Proponent may explore the possibilities of using treated wastewater for watering the plants.

Item No.2 Status of preparation of draft Coastal Zone Management Plan (CZMP) as per CRZ Notification, 2019

The Member-Secretary explained the present status of preparation of draft CZMP by National Centre for Sustainable Coastal Management (NCSCM). Further, he stated that as per the directions of the Hon'ble NGT (SZ), the missing details viz.,

fishing zone, fish breeding areas, fishing village boundaries, breeding and spawning grounds etc., are being included in the draft CZMP in the presence of district representatives from 18.01.2024 to 12.03.2024. The Authority was informed that the draft CZMP will be completed during end of March 2024 by NCSCM.

Sd./- xxxx

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