

129th MEETING

**TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY**

Date: 29.11.2024 (Friday)

Time: 11.00 A.M.

Venue:

**7th Floor, Conference Hall,
Environment, Climate Change &
Forests Department,
Namakkal Kavignar Maaligai,
Secretariat, Chennai.600 009.**

INDEX

Agenda No.	Description	Pg. No.
01	Confirmation of the minutes of the 128 th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.08.2024	01
02	The action taken on the decisions of 128 th meeting of the Authority held on 09.08.2024	01
03	Proposed reconstruction of Hotel Tamil Nadu at S. No. 128 & 129/ 1B in Rameswaram Village, Ramanathapuram District by the General Manager/DRO, Tamil Nadu Tourism Development Corporation Limited, Chennai (Single Window No. SW/205935/2024)	03
04	Proposed construction of Overhead Water Tank (310 KL) at S. F. No. 1/3A2 (Pt) at Tsunami colony in Velakanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velakanni Town Panchayat, Nagapattinam	08
05	Proposed construction of Overhead Water Tank (200 KL) under New Water Supply Scheme in S. F. No. 100 (Pt) at Beach Park in Velakanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velakanni Town Panchayat, Nagapattinam	11
06	Proposal for Enhancing the Coastal community's Adaptive capacity to mitigate the Climate Change impacts by means of protecting and Restoring Kariyachalli Island and the surrounding coral and Sea grass Habitats in Gulf of Mannar, Tamil Nadu by the Wild life Warden, Wildlife Division, Ramanathapuram	14
07	Discussion on violation cases	20
08	Development of Website for Tamil Nadu State Coastal Zone Management Authority (TNSCZMA)	22
09	Any other subject with the permission of the Chair	23

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

129th MEETING

AGENDA

Date: 29.11.2024 (Friday)
Time: 11.00 A.M.

Venue:
7th Floor, Conference Hall,
Environment, Climate Change &
Forests Department,
Namakkal Kavignar Maaligai,
Secretariat, Chennai.9

Agenda Item No. 01: Confirmation of the minutes of the 128th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.08.2024

The 128th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 09.08.2024 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1950/2021 dated 24.08.2024.

Agenda Item No.02: The action taken on the decision of 128th meeting of the Authority held on 09.08.2024.

S. No.	Subject	Action taken
01	Proposed amendment of cement handling and closed transits of 1.2 Million TPA at V.O. Chidambaranar Port Authority, Harbour Estate, Thoothukudi by The Chief Engineer, M/s. V.O. Chidambaranar Port Authority, Harbour Estate, Thoothukudi	As resolved by the Authority, the proposal has been recommended to MoEF& CC, GoI, for issuing Clearance, vide this office letter No. P1 / 1395 / 2024 dated 03.09.2024.
02	Development of Website for Tamil Nadu State Coastal Zone Management Authority (TNSCZMA)	The comments suggested by the Authority was resolved.
03	Action to be taken on the CRZ violation petition	A Proposal for Draft Standing Operating Procedure (SOP) for handling CRZ violation cases has sent to Government vide letter No. P1/3261/2023 dated:12.09.2024. The additional details to Government is under preparation.
04	Draft Standing Operating Procedure (SOP) for handing CRZ violation cases	

05	Present status on the draft Shoreline Management Plan (SMP) for the entire coast of Tamil Nadu prepared by NCCR	A letter was sent to NCCR to consider the comments send by various Departments and to submit the updated draft SMP. The NCCR has submitted their reply on the comments.
06	Present status on preparation of Coastal Zone Management Plan (CZMP) as per the provisions of the CRZ Notification, 2019 (Date: 09.08.2024)	As per the order of the Hon'ble NGT (SZ) in OA No.101 of 2024, the details / particulars were sent to NCSCM for making ground truthing, vide this office letter dated 30.10.2024.

Agenda Item No 3: Proposed reconstruction of Hotel Tamil Nadu at S. No. 128 & 129/ 1B in Rameswaram Village, Ramanathapuram District by the General Manager/DRO, Tamil Nadu Tourism Development Corporation Limited, Chennai (Single Window No. SW/205935/2024)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Ramanathapuram District has forwarded a proposal received from the General Manager, Tamil Nadu Tourism Development Corporation Limited, Chennai proposed for reconstruction of Hotel Tamil Nadu at S. No. 128 & 129/ 1B in Rameswaram Village, Ramanathapuram District. The EIA report prepared by M/s. ABC Techno Labs India Pvt Ltd, Chennai having NABET certificate valid upto 16.11.2025.

Need of the project:

The Hotel Tamil Nadu, Rameswaram consists of three hotel blocks and a restaurant. The main block, the mini block and the new block. Presently, the main block is a 45-year-old RCC structure and having insufficient amenities for tourists. Therefore, Tamil Nadu Tourism Development Department, Government of Tamil Nadu has planned to demolish existing main block and proposed to reconstruct of new hotel block at Hotel Tamil Nadu in Rameswaram Village & Taluk, Ramanathapuram district, Tamil Nadu to provide safe & comfortable accommodation facilities for pilgrimage.

Description of the project:

The Hotel Tamil Nadu, Rameswaram consists of three hotel blocks and a restaurant. The main block, the mini block and the new block contains 63 rooms. The existing main block consists G+1 structure of 21 rooms. The ground floor has Reception, Waiting Hall, Office and 10 Guest rooms & 1 suite room and the first floor has 9 guest rooms, 1 suite room, an administrative office and a housekeeping room, which is a 45-year-old framed RCC structure. Now, TTDC has planned to demolish existing main block and proposed to construct new hotel block at S. F. No. 128 & 129/1B, Rameswaram Taluk, Ramanathapuram district. The infrastructure facilities envisaged includes a G+1 structure with 24 rooms. The total plot area of the project site is 25,583.85 sq.m with total built up area of 2125 sq.m.

Location of the project:

The geographical location of the proposed project is given below

Description	Latitude	Longitude
Project site Boundary	9°17'30.252" N	79°19'23.995" E
	9°17'26.749" N	79°19'19.876" E
	9°17'35.441" N	79°19'20.217" E
Proposed Building	9°17'27.905" N	79°19'20.506" E
	9°17'30.080" N	79°19'22.451" E
Existing Mini Block	9°17'31.15" N	79°19'22.61" E
Existing New Block	9°17'31.63" N	79°19'20.61" E
Existing Restaurant	9°17'30.66" N	79°19'21.88" E
Future Expansion Building	9°17'29.605" N	79°19'22.978" E
	9°17'30.859" N	79°19'23.037" E

Built up area break up for proposed reconstruction:

S. No	Description	FSI Area (Sq.m)	Non FSI Area (Sq.m)	Total Built up Area (Sq.m)	Rooms	Remarks
1	Ground floor	1062	-	1062	11	10-Deluxe rooms 1-Suite room
2	First floor	868	-	868	13	12- Deluxe rooms 1-Suite room
3	Terrace floor	-	100	100	-	-
4	Portico	-	95	95	-	-
Total		1930	195	2125	24	22-Deluxe rooms 2- Suite rooms

FSI of the project - 0.083

Height of the building - 7.2 m

CRZ classification in the project site:

CRZ classification	Area in Sq.m
CRZ-II	13,564.29
Outside CRZ	12,019.56
Total	25,583.85

Manpower requirement:

During construction Phase: 50 Nos. & during operation Phase: 187 Nos.

Water requirement:

During construction phase, the water requirement will be about 2.98 KLD will be sourced from Rameswaram Municipality. During operation phase of the project after reconstruction is about 30.78 KLD out of which 20.46 KLD of fresh water requirement which will be sourced from Rameswaram Municipality.

Power requirement:

Power will be availed from Tamil Nadu Electricity Board (TNEB). Total power requirement for the proposed project is about 123 KW. 1 No of DG set having capacity of 250 kVA will be used as backup power

Sewage generation:

During construction phase will be around 2.533 KLD. Thus, the sewage will be collected in septic tank and disposed through tankers. The existing waste water generation is collected in septic tank and disposed through tankers. After reconstruction, generated waste water is about 27.71 KLD will be treated through STP of capacity 30 KLD.

Solid Waste Management:

S. No	Description	% of waste	Quantity (kg/day)	Method of Treatment / Disposal
1	Biodegradable Waste	40	17.68	Will be handed over to Municipality
2	Non- Biodegradable Waste	60	26.52	
3	STP Sludge		3.99	Used as manure in greenbelt development

CRZ Classification and Project cost:

The project site falls in CRZ-II and the total cost of the project is Rs.9.90 crores

Recommendation of DCZMA of Ramanathapuram district:

The proposal was placed before the DCZMA, Ramanathapuram district on 10.08.2024 and the DCZMA recommended the project to the SCZMA subject to the following conditions:

1. The project proponent shall ensure that there shall not be any damage to the marine aquatic animals/Reserve Forest areas due to proposed project.
2. The construction debris and other type of waste shall not be disposed of into the CRZ areas.
3. The project proponent shall start the construction activities only after obtaining CRZ Clearance from the Competent Authority.
4. The project proponent shall obtain consent to establishment orders from the TNPC Board for the proposed project under the Water & Air Acts, after obtaining CRZ Clearance.
5. The project proponent shall obtain necessary building plan approval from the DTCP.
6. The proponent shall submit Demand draft of Rs. 9.9 Lakhs of Corporate Environmental Responsibility (CER) to
 - The Municipal Commissioner, Rameswaram Municipality, Rameswaram.
 - The District Forest Officer, Ramanathapuram.
 - The Wild Life Warden & Trust Director, Gulf of Manner Biosphere Reserve Trust, Ramanathapuram.

The Project Proponent has submitted the replies to the above conditions vide letter dated 05.09.2024

Provisions in CRZ Notification, 2011:

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (i) and (ii) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 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".
- As per CRZ Notification 2011, vide 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;
- The Annexure-III of CRZ Notification 2011 has issued guidelines for development of beach resorts or hotels in the designated areas

of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of MoEF & CC, Govt. of India.

- Hence, the proposal may be recommended to MoEF & CC, Govt. of India, for issuing Clearance.

Remarks of the Technical Expert Committee (Meeting held on 25.10.2024)

- The PP has to ensure STP sludge is fully treated and not discharged into seawater
- The PP should maximize renewable energy use (e.g., solar) to offset project energy demands
- The Proponent has to ensure that there is no exploitation of groundwater.
- The facilities of Rain Water Harvesting have to be done wherever possible in the project area.
- The Proponent should furnish details such as location of dumping of the dredged material and quantity of dredging to be done.

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

Agenda Item No.4: Proposed construction of Overhead Water Tank (310 KL) at S. F. No. 1/3A2 (Pt) at Tsunami colony in Velankanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velankanni Town Panchayat, Nagapattinam District (Single Window No. SW/211723/2024)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam District has forwarded a proposal received from the Executive Officer, Velankanni Town Panchayat, Nagapattinam proposed for construction of Overhead Water (310 KL) at S. F. No. 1/3A2 (Pt) at Tsunami colony in Velankanni Town Panchayat, Kilvelur Taluk, Nagapattinam District. The EIA report was prepared by M/s. Eco Tech Labs Pvt. Ltd., Chennai having certificate of Accreditation from NABET valid upto 10.04.2025.

Need of the project:

The proposed project is developed with an intention to improve the livelihood of the local people of Velankanni Town Panchayat.

Location of the project:

The geographical co-ordinates of the project site is given below

Description	Latitude	Longitude
Project site boundary overhead water tank	10°41'22.379" N	79°50'59.009" E
	10°41'22.235" N	79°50'59.717" E
	10°41'21.730" N	79°50'59.607" E
	10°41'21.875" N	79°50'58.906" E
Project site	10°41'22.065" N	79°50'59.284" E

Details of the project:

S. No	Area statement	Land Area (in Sq.m)	CRZ classification
1	Land Area	263.04	CRZ-II
2	Built up Area	40	
3	Open Area	233.04	

Water Requirement:

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

During operation phase, the construction of water tank, which is used to store and supply water to nearby areas.

Power Requirement:

The power requirement for the project is about 5KW and it will be sourced from TANGEDCO through the transformers within project premises.

Solid Waste Generation:

There is no solid waste generated as the operators just work for few hours.

CRZ Classification and Project cost:

The project site falls in CRZ-II area and the total cost of the project is Rs.1.00 crore.

Recommendation of DCZMA, Nagapattinam district

The proposal was placed in the DCZMA of Nagapattinam district on 10.07.2024 and the Authority has resolved to recommend the proposal to TNSCZMA, with the following conditions.

1. The construction debris and other type of waste shall not be disposed into the CRZ areas.
2. The Project Proponent shall start their construction activities only after obtaining CRZ clearance from the Competent Authority.

The Project Proponent has submitted the replies to the above conditions vide letter dated 22.10.2024

Provisions in CRZ Notification, 2011

- 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 and 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".

(The DCZMA, Nagapattinam has clarified that during inspection it was found that an existing road is located between the Project Site and HTL of sea. Further, Village Administrative Officer, Velakanni has stated that an

existing road is located between the Project Site and HTL of Sea and the existing road was constructed before the 1991)

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (iii) reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use;
- As per the Para 4 (i) (d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Remarks of the Technical Expert Committee (Meeting held on 25.10.2024)

- The Proponent has to ensure that there is no exploitation of groundwater.
- The overhead tank should be maintained hygienically.

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

Agenda Item No.5. Proposed construction of Overhead Water Tank (200 KL) under New Water Supply Scheme in S. F. No. 100 (Pt) at Beach Park in Velakanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velakanni Town Panchayat, Nagapattinam District (Single Window No. SW/211595/2024)

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam District has forwarded a proposal received from The Executive Officer, Velakanni Town Panchayat, Nagapattinam proposed for construction of Overhead Water (200 KL) under New Water Supply Scheme in S. F. No. 100 (Pt) at Beach Park in Velakanni Town Panchayat, Kilvelur Taluk, Nagapattinam District. The EIA report was prepared by M/s. Eco Tech Labs Pvt. Ltd., Chennai having certificate of Accreditation from NABET valid upto 10.04.2025

Need of the project:

The proposed project is developed with an intention to improve the livelihood of the local people of Velakanni Town Panchayat.

Location of the project:

The geographical co-ordinates of the project site are given below

Description	Latitude	Longitude
Project site boundary overhead water tank	10°40'52.812" N	79°51'8.868" E
	10°40'52.688" N	79°51'9.611" E
	10°41'50.527" N	79°51'9.245" E
	10°40'50.777" N	79°51'8.494" E
Project site	10°40'51.926" N	79°51'9.165" E

Land area of the project:

S. No	Area statement	Land Area (in Sq.m)	CRZ classification
1	Land Area	2376	CRZ-II
2	Built up Area	38	
3	Open Area	2338	

Water Requirement:

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

During operation phase, the construction of water tank, which is used to store and supply water to nearby areas.

Power Requirement:

The power requirement for the project is about 5KW and it will be sourced from TANGEDCO through the transformers within project premises.

Solid Waste Generation:

There is no solid waste generated as the operators just work for few hours.

CRZ Classification and Project cost:

The project site falls in CRZ-II area and the total cost of the project is Rs.0.89 crores

Recommendation of DCZMA, Nagapattinam district

The proposal was placed in the DCZMA of Nagapattinam district on 10.07.2024 and the Authority has resolved to recommend the proposal to TNSCZMA, with the following conditions.

1. The construction debris and other type of waste shall not be disposed into the CRZ areas.
2. The Project Proponent shall start their construction activities only after obtaining CRZ clearance from the Competent Authority.

The Project Proponent has submitted the replies to the above conditions vide letter dated 22.10.2024

Provision of the CRZ Notification, 2011:

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (i) and (ii) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 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".

(The DCZMA, Nagapattinam has clarified that during inspection it was found that an existing road is located between the Project Site and HTL of sea. Further, Village Administrative Officer, Velakanni has stated that an existing road is located between the Project Site and HTL of Sea and the existing road was constructed before the 1991)

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (iii) reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use;
- As per the Para 4 (i) (d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Remarks of the Technical Expert Committee (Meeting held on 25.10.2024)

- The Proponent has to ensure that there is no exploitation of groundwater.
- The overhead tank should be maintained hygienically.

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

Agenda Item No.6: Proposal for Enhancing the Coastal community's Adaptive capacity to mitigate the Climate Change impacts by means of protecting and Restoring Kariyachalli Island and the surrounding coral and Sea grass Habitats in Gulf of Mannar, Tamil Nadu by the Wild life Warden, Wildlife Division, Ramanathapuram

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Thoothukudi District has forwarded a proposal received from the Wild life Warden, Wildlife Division, Ramanathapuram proposed for Enhancing the Coastal community's Adaptive capacity to mitigate the Climate Change impacts by means of protecting and Restoring Kariyachalli Island and the surrounding coral and Sea grass Habitats in Gulf of Mannar, Tamil Nadu. The EIA report prepared by Department of Ocean Engineering, IIT Madras, Chennai.

Location of the Project:

Kariyachalli Island, Gulf of Mannar is about 4 km south of Sippikulam and about 20 km north east of Tuticorin Old Harbour.

Brief description of the project:

The project is to enhance the adaptive capacity of the coastal community against the impacts of climate change through building climate resilience by protecting and restoring Kariyachalli Island and surrounding coral and seagrass habitats in the Gulf of Mannar, Tamil Nadu

The main objectives of the project are

1. Deployment of multipurpose artificial reef modules in Kariyachalli Island in order to protect and restore this eroding island and to enhance the coral-associated biodiversity in particular fish production to help build livelihood sustainability for the benefit of small-scale fishermen through incremental fish production, and to maintain ecological balance.
2. Restoration of the ecological services through rehabilitation of degraded coral reefs around Kariyachalli Islands as options for climate adaptation and provision of stable substratum to protect Kariyachalli Island.
3. Restoration of the ecological services through rehabilitation of degraded seagrass beds around Kariyachalli Islands as options of climate adaptation and provision of stable substratum to protect Kariyachalli Island.

4. Promotion of eco-development activities among the coastal communities to enhance their adaptive capacity so that they can have sustained livelihood and food security.

- Size of the project: Island coastal length 1.14 km
- Total cost of the project: Rs. 5073.5319 lakhs
- CRZ classification: CRZ - IA area

Recommendation of DCZMA of Thoothukudi district:

The DCZMA recommended the proposal subject to the following conditions, as per Office Memorandum F. No. 19-84/2020-IA.III dated: 27.07.2022 of MoEF & CC, GoI.

1. The artificial modules / structures shall not be deployed in or over the natural living coral reef or sea-grass areas, if any
2. These structures shall not hinder the navigational channel or the monitoring station /units deployed in the sea.
3. The CZMA / Fisheries Department undertake monitoring and analyze the changes in biodiversity/fisheries and seabed morphology after complete deployment through necessary studies.
4. There shall be encouragement for use of green artificial modules reef structures to utilize marine resources in the sustainable way.

About O.M. F. No. 19-84/2020-IA.III dated: 27.07.2022:

The O.M. states that the proposed activity of deployment of Artificial Reef Modules made of concrete in the sea does not require any prior permission as per the CRZ Notification, 2011. However, in order to avoid conflict with other activities, the concerned CZMA may issue general guidelines for undertaking such activities incorporating, amongst others, with terms and conditions as stated above.

Draft guidelines for the proposed project:

- It should not have any influence in the neighbouring island.
- It should facilitate the growth of corals
- The project proponent should obtain clearance / permissions, if any required from the local authorities, Forest Department etc., concerned without fail and any breach of rules and regulations, the project proponent is responsible for the consequences.

- The Department of Environment & Climate Change (DoE & CC) is not responsible for any untoward incidents accidents if any occurred during the course of project implementations and the DoE & CC is not liable for any loss, damage occurred during the project implementation. The project proponent should ensure the safety and effective implementation of the project.
- A team consisting with the officials from the Department of Environment, Tamil Nadu State Coastal Zone Management Authority and experts in the relevant filed will inspect the implementation of the project, as and when necessary and the project proponent should furnish details required by the Members of inspection and also the Project proponent should facilitate and arrange for the said inspections.
- The latitude and longitude details could be furnished with reference to each block where AR modules deployed in the sea.
- The deployment will be carried out in the presence of Forest Department staff only.
- Any other guidelines suggested by the TEC members.

Remarks of the Technical Expert Committee (Meeting held on 25.10.2024)

- The PP (Project Proponent) should initiate the collection of long-term tidal variation data by installing appropriate tide-gauge stations. Additionally, the PP should conduct periodic monitoring of erosion and accretion on the island, both before and after project implementation, to assess the project's impact accurately.
- The PP should ensure that the nearby reefs should not be disturbed while deploying the artificial reefs in the sea.
- The PP should submit the Google earth images of the project site from 2018 - 2024 before Authority.

Guidelines

1. **Deployment of Artificial modules (AR Modules)**

- Reef construction should be environmentally safe, material should not toxic in nature. Manufacture, and their handling, transportation, preparation, and placement on the sea floor should be scientifically accomplished within safe and relatively low-risk. Avoid materials that can degrade into harmful substances or cause pollution.

- The design must be strong enough to withstand ocean currents, storms, and other forces. Ensure long-term stability to prevent disintegration or movement of the structure
- AR modules should be made of Reinforced concrete of grade M40. Mix design should be obtained from IIT Chennai.
- Engrave identification number in each AR reef like "AR Phase I / 001, AR-Phase II/002 etc.
- Before deployment of each cluster of AR reef modules, the outer boundary has to be fixed with help of GPS and the position has to be marked with buoys with the assistance of scientific professional divers with expertise in coastal habitat.
- Underwater fixing of AR deployment location (South East of the Kariyachali Island) as per the layout drawing approved by IIT Chennai, avoiding coral area.
- IS Codal provisions should be followed while casting the reefs, necessary quality control test should be done on time to time.
- Deploy the artificial reef carefully to avoid damage during installation. Cranes, barges, or specialized underwater equipment should be utilized for the deployment of reef. Well maintained mechanized vessels has to be employed to tow the barge to transport the AR modules to deployment site.
- Navigation route should be selected to avoid interaction with local fishing boats. Forecasts of weathers and sea conditions have to be properly monitored to ensure safe navigation and minimize the risk associated with adverse weather condition.
- Place the reef at appropriate depths to prevent hazards to navigation and ensure the reef attracts the desired species. Avoid deployment in areas with intense human activity like shipping lanes.
- Do not place artificial reefs too close to each other to avoid overcrowding of marine life and potential negative ecological impacts.
- PP should prepare Work plan with timeline chart for systematic way of execution. It should be planned according to the climatic condition of the GoM
- Post-Deployment Monitoring: Regular monitoring of the artificial reef is crucial to assess its effectiveness, track biodiversity changes, and detect any environmental impacts.

- The PP should involve local communities, fishermen, conservationists and other stakeholders in the planning and deployment of the reef to ensure alignment with local interests and sustainable use.
- The PP should promote public awareness and education about the benefits and conservation goals of artificial reefs.
- Comprehensive safety briefing, equipment checks and emergency response drills have to be conducted to mitigate potential hazards and address unforeseen challenges during deployment activities.
- Maintenance: Artificial reefs requires occasional maintenance to ensure structural integrity, and any accumulated debris must be removed.
- None of the project activities should negatively impact on the existing integrity of the marine resources in the vicinity of the project location and livelihood of coastal community

2. Coral rehabilitation

- The PP should ascertain the exact degraded coral area by underwater survey before coral rehabilitation.
- Standardized low tech low cost transplantation techniques should be adopted.
- Concrete frames should be casted with M40 mix design approved by IIT Chennai. It should be stable enough to withstand ocean currents, storms, and other forces. Ensure long-term stability to prevent disintegration or movement of the structure.
- The coral fragments of native coral species should be preciously harvested and tied firmly to cement slab using nylon ropes.
- The substrata should be deployed in the identified degraded area in clusters of concrete frames covering the required project area.
- Regular monthly monitoring should be carried out to study the survival and growth of the transplanted fragments and community structures at the rehabilitated area.

3. Seagrass rehabilitation

- The PP should ascertain the exact degraded seagrass area by detailed underwater survey before executing the seagrass rehabilitation
- Standardized low tech low cost transplantation techniques should be adopted

- Regular monthly monitoring should be carried out to study the survival and growth of the transplanted fragments and community structures at the rehabilitated area
- The PP should ensure the quality of material such as pipes etc before fixing.

4. Eco development activities

- The PP should prepare and submit detailed layout plan for development of infrastructure facilities like interpretation centres, upgradation of fish landing centres with respect to type of foundation, type of structure with detailed specification.
- The PP should furnish Village wise work plan for all 10 targeted villages

With the above observations and remarks, the TEC has recommended the proposals for further consideration by the TNSCZMA

Agenda Item No.7 Discussion on violation cases

S. No	Description	Action taken	Reply from the petitioner
1	Representation received on Construction of building at S.No. 48,49,50,51 & 52 of Karungali Village, Tiruvallur district.	Show Cause notice issued vide this office Proceedings No. Efile/DOECC/100 /2024/P1, dated 02.09.2024.	The reply was submitted by the petitioner on 25.09.2024 Our construction is temporary in nature (as mentioned in the guidelines) and environmental benign covering the environmental sustainable nature like, Solar Energy, Electric vehicles, Bio septic toilets, Zero waste discharge and Carbon neutral concepts and we have planted Vetriver to avoid soil erosion.
2	Representation received on construction of Compound wall by M/s. Energy Brama Infra Private Limited located at S.F. No. 334/5A & 7, 337/2-5 Anumandhai Village, Marakanam Taluk, Villupuram	Show Cause Notice issued vide this office letter dated:06.09.2024	The reply was submitted by the petitioner on 16.09.2024 <ul style="list-style-type: none"> • In order to prevent illegal activities from the unknown tress passers and to safe guard our company's ownership of the said land from the encroachers, decided to construct the compound wall. • If we had the knowledge that our land falls under CRZ -I zone we would have been getting permission/clearance under the CRZ Notification, 2011 from the concerned authorities.
3	Original Application No. 136 of 2024 NGT (SZ) - construction of groynes and dumping of rocks along the shore at Thenpattinam, Vadapattinam, Kadalur, Pudhupattinam,	Show Cause Notice issued vide this office letter dated:24.07.2024	<ul style="list-style-type: none"> • The Fisheries and Fishermen Welfare Department clarified that the construction of groynes and the dumping of rocks in Chengalpattu district were undertaken in compliance with existing laws and were necessary to address severe coastal erosion threatening the livelihood of local fishing communities.

	Thiruvидanthai and Muttukadu Villages, Chengalpattu district.		<ul style="list-style-type: none"> The department requested that the TNSCZMA reconsider the notice and allow the halted works to proceed, underscoring the urgent need for action to prevent further damage and safeguard the affected communities.
4	Original Application No. 106 of 2024 (SZ) filed by Thiru K. Saravanan regarding construction of 4-lane highway inside the odiyur lagoon	MoEF & CC - Regional Office, Chennai has sent a letter requesting TNSCZMA to take suitable action as per Ministry's OM No. IA3-2/11/2021-IA.III, dated: 22/08/2022.	<p>The Member Secretary, TNSCZMA decided to impose environmental compensation to the Project Proponent</p> <p>The Environmental Compensation (EC) is calculated using the formula:</p> $EC = PI * N * R * S * LF$ <p>Where:</p> <ul style="list-style-type: none"> • PI - Pollution Index • N - Number of days of violation • R - Rupee factor for EC • S - Scale of Operation factor • LF - Location Factor <p>Thus, the Environmental Compensation is calculated as follows</p> $EC = 50 * 63 * 250 * 1 * 1.25 = ₹9,84,375/-$

Agenda Item No. 08 Development of Website for Tamil Nadu State Coastal Zone Management Authority (TNSCZMA)

In the Comptroller and Auditor General of India's report on the Conservation of Coastal Ecosystems, it was noted that West Bengal and Tamil Nadu's State Coastal Zone Management Authorities (SCZMAs) do not have dedicated websites for public information dissemination. In the other states, although websites have been established, they lack regular updates on critical information such as violations, actions taken, court cases, agenda items, and minutes of meetings.

Hence, Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) requested TNeGA to offer support in developing the web portal. TNeGA selected M/s. 360 Degree Info Pvt. Ltd. to undertake the project.

The web portal will offer all information on TNSCZMA including CRZ Notification, Meeting Minutes, Agenda, Approved CZMP maps, Procedure for CRZ Clearance through Parivesh Portal 2.0, etc.,

It will also serve as grievance redressal platform for the public. Provision is also underway to include payment Gateway for receiving Scrutiny fee.

Project Cost:

The cost of developing the web portal is Rs.2,05,530/- (Rupees Two Lakhs Five Thousand Five Hundred Thirty only) as quoted by the Vendor.

Present Status:

The demo website was placed before the TNSCZMA in the 128th meeting held on 09.08.2024 and the Authority observed the features and contents added in the TNSCZMA website and instructed to include some additional details in the TNSCZMA website before launch.

The details have been included in the website and presented before the Authority for approval to launch.

Addl. Agenda Item No 1: Proposed integrated Coastal Community Development in Kasimedu, Thiruvottiyur, Injambakkam and Akkarai, Chennai district

The Chennai Metropolitan Development Authority (CMDA) has applied for CRZ Clearance to the following proposals.

1. Proposed Integrated Coastal Community Development in Injambakkam to Akkarai, Chennai district in Greater Chennai Corporation area by Chennai Metropolitan Development Authority, Chennai
2. Proposed Integrated Coastal Community Development in Kasimedu, Tondiarpet Village, Chennai district, Greater Chennai Corporation area proposed by Chennai Metropolitan Development Authority, Chennai
3. Construction of integrated coastal community development at Ernavoor Village & Thiruvottiyur Village, Greater Chennai Corporation area by Chennai Metropolitan Development Authority, Chennai

The above said proposals were placed in the 124th meeting of TNSCZMA held on 04.03.2024 and the Authority felt the necessity of the projects for the benefit of the coastal communities and nearby localities by means of providing alternate livelihood opportunities. The Authority has also discussed the provisions of Blue Flag Certification Programme.

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

Hence, the Authority suggested that the Project Proponent may explore the possibility of the said project for blue flag certification, in consultation with NCSCM.

Based on the above recommendations, the CMDA has initiated the procedures for obtaining the Blue Flag Beach Certification from the Foundation of Environmental

Education (FEE) in consultation with NCSCM and stated that four sites have been registered under Blue Flag Programme on 25.09.2024. Also, the Government vide G.O. (Ms) No. 217, Housing and Urban Development (UD3{1}) Department, dated 20.11.2024 has accorded approval for the development of Kasimedu, Thiruvottiyur, Injambakkam and Akkarai beaches as Blue Flag Beaches adhering to the criteria prescribed by FEE at a cost of Rs.81.71 crores subject to certain conditions.

Now, the CMDA requested the TNSCZMA for obtaining CRZ Clearance based on S.O. No. 125 (E), dated 09.01.2020 of MoEF & CC, Govt. of India, vide letter dated 27.11.2024 and based on the direction of NGT.

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

Addl. Agenda Item No. 2 One day workshop on Sterilization of Atomic Minerals (Beach Sand Minerals) in Coastal States held on 30.09.2024 - Settlement of Travelling charges to Dy. Director (Land Use)

The One-day Workshop on Sterilization of Atomic Minerals (Beach Sand Minerals) in coastal States organized by Atomic Minerals Directorate (AMD) & Indian Rare Earth Limited (IREL) was held on 30.09.2024 at Bhubaneswar, Odisha.

The AMD, Hyderabad has invited Director, Department of Environment & Climate Change to attend the workshop on 30.09.2024. Hence, Thiru N. Suresh Kumar, Deputy Director (Land Use) / Asst. Conservator of Forest has been deputed to attend the meeting.

The Deputy Director (Land Use) has attended the meeting and submitted bills at a cost of Rs.19.054/- and requested to reimburse the same.

As the training programme provided knowledge on "beach sand mining", the subject closely related to the Coastal Regulation Zone (CRZ). Hence, the Authority may therefore consider to reimburse the amount of Air fare and accommodation charges to the concern, from the State Coastal Zone Development Funds.

Addl. Agenda Item No. 3 Demarcation of HTL (High Tide Line) maps - GIS Cell - Programme Officer and Technical Officer were directed to visit NCESS, Kerala & KCZMA - 03/10/2024 to 05/10/2024 - Reimbursement of expenditure towards Travelling charges to officials of GIS Cell

The Director, Department of Environment & Climate Change (DoE&CC), and the Member Secretary of the Tamil Nadu State Coastal Zone Management Authority instructed the Programme Officer and Technical Officer of the GIS Cell within DoE&CC to visit the Kerala Coastal Zone Management Authority (KCZMA) and the National Centre for Earth Science Studies (NCESS) in Kerala to assess the implementation of the CRZ Notification, 2019, in the state of Tamil Nadu.

In line with the above instructions, the Programme Officer and Technical Officer of the GIS Cell visited KCZMA and NCESS from October 2nd to 5th, 2024, and subsequently submitted their outcome report on the visit to the Director, Department of Environment & Climate Change.

The purpose of the visit was to gain insights on how the KCZMA successfully conducted their Public Hearing. It is crucial to acquire this knowledge for the effective preparation and conduct of similar Public Hearing in the state of Tamil Nadu.

As the visit provided valuable insights into conducting the Public Hearing for the Draft Coastal Zone Management Plan (CZMP) prepared under the CRZ Notification, 2019, in Tamil Nadu, it is recommended that reimbursement of Rs.10,313/- (Rupees Ten thousand three hundred and thirteen only) to Thiru M. Vinoth Kumar, Programme Officer and Rs.9,709/- (Rupees Nine thousand Seven hundred and nine only) to Thiru K. Bhuvaneshwaran, Technical Officer for train fare and eligible Daily Allowance (DA) from the State Coastal Zone Development Fund.

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
Dr. P. Senthil Kumar, I.A.S.,
Chairperson, Tamil Nadu State Coastal
Zone Management Authority and
Principal Secretary to Government,
Environment, Climate Change &
Forest Department,
Secretariat, Chennai-9.

Minutes of the 129th meeting of Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 29.11.2024

The Member Secretary welcomed all the members of TNSCZMA, for the 129th meeting of the TNSCZMA.

Agenda Item No. 01: Confirmation of the minutes of the 128th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.08.2024

The 128th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 09.08.2024 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1/1950/2021 dated 24.08.2024.

Agenda Item No.02: The action taken on the decision of 128th meeting of the Authority held on 09.08.2024.

The Member Secretary briefed the Members about the action taken by the Department of Environment and Climate Change on the decisions made during the 128th meeting held on 09.08.2024.

Agenda Item No 3: Proposed reconstruction of Hotel Tamil Nadu at S. No. 128 & 129/ 1B in Rameswaram Village, Ramanathapuram District by the General Manager/DRO, Tamil Nadu Tourism Development Corporation Limited, Chennai (Single Window No. SW/205935/2024).

Project Cost: Rs.9.90 crores

CRZ classification: CRZ-II

The proponent stated that the 45-year-old building has been demolished, and the reconstruction of the building is currently proposed to meet the tourist requirements of Rameshwaram.

The SCZMA examined the recommendation of the District Coastal Zone Management Authority (DCZMA) of Ramanathapuram district in the meeting held on 10.08.2024. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the replies submitted by the Project Proponent for those remarks.

Provisions in CRZ Notification, 2011:

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (i) and (ii) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 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".
- As per CRZ Notification 2011, vide 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;
- The Annexure-III of CRZ Notification 2011 has issued guidelines for development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of MoEF& CC, Govt. of India.
- Hence, the proposal may be recommended to MoEF& CC, Govt. of India, for issuing Clearance.

Decision / Remarks of TNSCZMA

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

1. No construction activity shall be started / undertaken by the Proponent until obtaining the CRZ Clearance from the competent authority.
2. There shall be no extraction of ground water during both the construction and operation phase in the CRZ area.
3. The proponent should develop rainwater harvesting system to enhance the effective use of rainwater to meet all freshwater demands.
4. The treated water from the STP may be recycled and reused for toilet flushing and gardening.
5. The project proponent shall explore the possibility of maximum utilization

of power generated through renewable energy source.

6. The entire solid waste shall be handled as per the Solid Waste Management Rules, 2016.
7. The authority recommended that the project proponent should use the anaerobic composting method to manage organic waste effectively to eliminate the foul odors. The manure generated from this process should be used in gardening.
8. The project proponent shall ensure that no construction debris shall be deposited/ disposed in the Coastal Regulation Zone areas.
9. The proponent shall comply with the Environmental Management Plan both during construction and operation phases.
10. In addition, the Project proponent shall comply with all the conditions stipulated in the guidelines attached as Annexure III in the CRZ Notification, 2011.

Agenda Item No.4: Proposed construction of Overhead Water Tank (310 KL) at S. F. No. 1/3A2 (Pt) at Tsunami colony in Velankanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velankanni Town Panchayat, Nagapattinam District (Single Window No.SW/211723/2024)

Project Cost: Rs.1.00 crores

CRZ classification: CRZ-II

and

Agenda Item No.5. Proposed construction of Overhead Water Tank (200 KL) under New Water Supply Scheme in S. F. No. 100 (Pt) at Beach Park in Velakanni Town Panchayat, Kilvelur Taluk, Nagapattinam District by The Executive Officer, Velakanni Town Panchayat, Nagapattinam District (Single Window No.SW/211595/2024)

Project Cost: Rs.0.89 crores

CRZ classification: CRZ-II

The proponent stated that OHT tanks are proposed in the Park's OSR land to satisfy the water demand of the residents in the Tsunami Colony and surrounding sea shore villages.

The SCZMA examined the recommendation of the District Coastal Zone Management Authority (DCZMA) of Nagapattinam district in the meeting held on 10.07.2024. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the replies submitted by the Project Proponent for those remarks.

Provisions in CRZ Notification, 2011

- 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 and 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".

The DCZMA, Nagapattinam has clarified that existing road is located between the Project Site and HTL of sea. Further, Village Administrative

Officer, Velakanni has stated that an existing road is located between the Project Site and HTL of Sea and the existing road was constructed before the 1991.

- As per CRZ Notification 2011, vide Para 8 (i) II CRZ-II (iii) reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use;
- As per the Para 4 (i) (d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Decision / Remarks of TNSCZMA

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

1. There shall be no extraction of groundwater in the CRZ zone during both the construction and operational phases. The project proponent stated that water will be sourced from the Kollidam River through a combined water system in operation phase.
2. No construction activity shall be started/ undertaken by the proponent until obtaining CRZ clearance from the competent authority.
3. The Project Proponent should ensure that the entire construction activity will be established as per the proposal.
4. The Unit shall dispose the solid waste generated as per the Solid Waste Management Rules, 2016.
5. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018. The construction debris and other type of waste shall not be disposed off into the sea.
6. The overhead tank should be maintained hygienically.

Agenda Item No.6: Proposal for Enhancing the Coastal community's Adaptive capacity to mitigate the Climate Change impacts by means of protecting and Restoring Kariyachalli Island and the surrounding coral and Sea grass Habitats in Gulf of Mannar, Tamil Nadu by the Wild life Warden, Wildlife Division, Ramanathapuram

Project Cost: Rs. 50.73 Crore

CRZ Classification: CRZ - IA area

The proponent outlined the key objectives of the projects, highlighted the need to protect and restore the eroding substratum of Karachavali Island.

The SCZMA examined the recommendation of the District Coastal Zone Management Authority (DCZMA) of Ramanathapuram district in the meeting held on 27.06.2024. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the replies submitted by the Project Proponent for those remarks.

The authority recommended that 'General Guideline for undertaking the above restoration activities in Karayachavali Island" to be circulated to the Members of the Authority for their remarks.

Decision / Remarks of TNSCZMA

1. The Project proponent should initiate collection of long term tidal variation data by installing appropriate tide gauge station in consultation with the Tamilnadu Maritime Board.
2. The Authority advised to use sulphate resisting cement (SRC cement) rather than OPC for underwater precast concrete blocks and also recommended to explore the ecofriendly materials like calcium carbonate blocks as alternative to the concrete for mimicking the natural reef.
3. The project proponent should monitor the changes in the coastal line after implementing the restoration of the island
4. The Project Proponent should ensure continuous post deployment monitoring and maintenance strategy to safeguard the AR reefs.

Agenda Item No.7 Discussion on violation cases

S. No	Description	Remarks of the Authority
1	Representation received on Construction of building at S.No. 48,49,50,51 & 52 of Karungali Village, Tiruvallur district.	The Authority resolved to address coastal violations under the Environment Protection Act and decided to take following action against the violations, 1. Lock and seal of the property 2. Disconnect the EB and water supply through the concerned department. 3. TNPCB should issue notice and impose penalty for the environmental compensation in accordance with the relevant act. 4. Issue a notice to the violators instructing them to demolish the structures at their own. 5. If they fail to comply, enforce the demolition as per Environment Protection Act.
2.	Representation received on construction of Compound wall by M/s. Energy Brama Infra Private Limited located at S.F. No. 334/5A & 7, 337/2-5 Anumandhai Village, Marakanam Taluk, Villupuram	The authority suggested that live fencing may be allowed and decided to issue notice to the violators to demolish the compound wall at their own.
3	Original Application No. 136 of 2024 NGT (SZ) - construction of groynes and dumping of rocks along the shore at Thenpattinam, Vadapattinam, Kadalur, Pudhupattinam, Thiruvidanthai and Muttukadu Villages, Chengalpattu district.	The Authority decided to obtain AG opinion for OA No.4 of 2013 for the implementation of the Shoreline Management Plan.
4	Original Application No. 106 of 2024 (SZ) filed by Thiru K. Saravanan regarding construction of 4-lane highway inside the odiyur lagoon	The Authority suggested that Penalty amount calculated using Environment compensation formula should be vetted by the Tamil Nadu Pollution Control Board.

Agenda Item No. 08

Development of Website for Tamil Nadu State Coastal Zone Management Authority (TNSCZMA)

The Authority has made certain suggestions and once it is incorporated, the website can be launched.

ADDITIONAL AGENDA

Addl. Agenda Item No.1 Proposed integrated Coastal Community Development in Kasimedu, Thiruvottiyur, Injambakkam and Akkarai, Chennai district submitted by CMDA

Project Cost: Rs.81 crore

CRZ classification: CRZ II

The project proponent has stated that the coastal community centric developments of Kasimedu, Tiruvottiyur, and Injambakkam-Akkarai coastal areas is a part of chennai shoreline renourishments and revitalization project. The proposed infrastructure facilities like pedestrian walkways, cycle track, bio toilets, food courts kiosk, play and sitting areas are in adherence to CRZ norms and it will improve access and safety for beach users.

The proponent highlighted the following points in the aspects of environment safety.

1. The proposal was earlier placed in 124th TNSCZMA meeting, as recommended by the authority initiated the process of obtaining blue flag beach certification from FEE. The projects will fulfill the 33 criteria required for blue flag beach certification
2. Pre fabricated structures (Prefab) are proposed rather than traditional concrete structure
3. Natural Stone pavers are proposed in the pedestrian walkways as per their blue flag beach guideline
4. 10m buffer from the HTL is provided
5. The proponent ensured that No sand dunes are available in the proposed sites
6. The proponent also ensured that Turtle nesting ground in akkarai beach will not be disturbed; the projects are proposed 16m away from the HTL.

Decision / Remarks of TNSCZMA

The Authority emphasized that **CMDA shall comply with all conditions laid down in the S.O. No. 125(E), dated 09.01.2020 issued by MoEF & CC, Govt. of India** and also ensure that:

1. No permanent road shall be laid as a part of these projects.
2. Ecofriendly materials should be used in the proposed facilities.
3. Turtle nesting ground should not be disturbed during the construction phase, as well as the nesting periods.
4. The authority suggested CMDA to sign an MoU with NCSCM for applying Blue Flag Beach Certification.

Addl. Agenda Item No.2 :Proposed construction of Sailors Academy at the Cooum confluence with Sea Marina Beach with a overall built-up area of 2450 Sqm. at R.S. No.3372/1, Triplicane Village, Mylapore-Triplicane Taluk, Chennai district by the Member-Secretary, Sports Development Authority of Tamil Nadu

The Member-Secretary, Sports Development Authority of Tamil Nadu has applied clearance under the CRZ Notification, 2011 for the proposed construction of Sailors Academy, Cooum sea confluence Area, Marina Beach, Chennai which a Training Institute for sailors located at R.S. No.3372/1, Triplicane Village, Mylapore-Triplicane Taluk, Chennai.

The Hon'ble Chief Minister of Tamil Nadu has announced under Rule 110 in Tamil Nadu Legislative Assembly on 24.10.2016 for the establishment of Sports Development Authority of Tamil Nadu Sailing Academy and Centre of Excellence in sailing and rowing at Chennai. Based on the announcement the Government, Youth Welfare and Sports Development (S2) Department has issued Government Order for the sanction of Funds, vide G.O. (Ms.) No.36 dated 08.10.2016.

The proposed development aims to establish a state-of-the-art Sailors Academy to train youth to become professional sailors in the world class environment. The academy is envisioned to encourage sailing skills, promote excellence in the sport, and contribute to the development of Tamil Nadu as a hub for sailing activities. The original proposal included the following components:

1. Academy Complex Building having 1250 sq.mtr built up area. (CRZ-II)
2. RCC ramp for moving the boats / yachts sailing into sea with a length of 55m and 5m wide. (CRZ-II, CRZ-IVA and CRZ-IA)
3. Approach Platform from Academy Complex building to RCC ramp for shifting of boats with 168m length and 7m wide (CRZ-II and CRZ-IA).

The DCZMA has reviewed the above proposal and recommended it to the SCZMA during its meeting held on 05.11.2020.

The proposal was deliberated in the 112th meeting of the TNSCZMA held on 21.01.2021, during which the Authority resolved to request the Project Proponent to address the following points and submit the necessary documents/revisions:

- a. The Project Proponent should revise the proposals confirming the use of the existing road facilities and proof for existed building eliminating the proposed ramp.
- b. The Project Proponent should submit the water quality report including biological/ bacterial pollution status.
- c. The proposal should include the faunal & floral study and impacts on marine ecosystem and their mitigation measures.
- d. The Project Proponent should correctly provide the provision of the CRZ Notification, 2011 for permitted construction activity in the report confirming the use of road and existing building.
- e. The Authority suggested that the proponent should justify the need of the selected location, sustainability of the proposed activities and mitigation measures addressed for the adverse environmental impacts.
- f. The Proponent should submit a modified proposal considering the above points in conformity with the relevant conditions laid by the DCZMA.

Modified proposal submitted by the Project Proponent

The Project Proponent has now submitted a modified proposal with the following details

- The proposed development is expected to comprise of a single building of G+1 Floors, with allied amenities for a total built-up area of 2450 Sq.Mtrs.
- The overall plot area of the land as allotted to the academy by the Govt. is 11,129 Sq.M

- The area matrix and functional distribution of the two floors are as follows

Ground floor facility of academy complex building

- Main Kitchen along with Utilities & Storage and Gaming & library room area respectively 1160 Sq.ft. & 930 Sq.ft.
- Restaurant will be 2219 Sq.ft.
- Waiting Lounge Reception will be 2405 Sq.ft.
- A toilet block for public use is proposed near the reception area.
- Boat gallery in a size of 1217 Sq.ft.
- An Office room (985 Sq.ft) with facilities of 3 cabins, Souvenir shop (87 Sq.ft) conference room, workstation and toilets for manager / committee accounting and administration.
- Boat shed of 1526 Sq.ft. with storage (300 Sq.ft) and tool shed room (300 Sq.ft)
- Swimming pool and outdoor cafeteria with an area of 1835 Sq.ft and 3382 Sq.ft respectively

First floor facility of academy complex building

- Open Class Room (1852 Sq.ft), Mini Classrooms - 2 Nos (276.5 Sq.Ft, 722 sq.ft) for conduct of theory classes and for briefing and debriefing. The same rooms will be used as Jury hearing rooms during events.
- A gymnasium (1134 Sq.ft) to address the specific training needs of sailing (strengthen the abdomen Core and arms and legs for sailing). Thus, attached rest rooms will be provided.
- Two Dormitories have been considered each of 752 sq.ft along with attached toilets each 147 sq.ft
- Kitchen and service rooms will be 305 Sq.ft., other utilities would be 267 sq.ft
- Lounge of 1130 Sq.ft has been considered.

Environmental Components

- Freshwater is expected to be sourced from Greater Chennai Corporation, to a tune of 50 KLD.
- A total 13 KLD of sewage is expected to be generated within the facility, which shall be treated via an in-situ Sewage Treatment Plant.
- 15 KLD capacity STP is proposed, adopting MBR Technologies, ensuring to meet the prevalent treated water output characteristics.
- Power back up DG of 200 KVA is proposed and the same shall be installed with acoustic enclosures and complying to the latest and prevailing emission norms as prescribed by CPCB/ TNPCB
- Domestic Solid Wastes generated around 81 Kgs/ Day shall be segregated at source and shall be disposed through Greater Chennai Corporation provisions.
- The current clearance is sought for the development of the academy block only of G+1 floor with allied amenities.

CRZ Classification for the revised proposal

The revised proposal falls under the CRZ-II category. However, it is noted that there are no existing authorized structures or authorized roads between the proposed site and the HTL of the sea.

The total estimated cost of the project is ₹7 crores.

The revised proposal was presented before the TNSCZMA during its 129th meeting held on 29.11.2024, where the Authority examined the proposal in light of the provisions of the CRZ Notification, 2011.

Provision in the CRZ Notification, 2011:

- As per the CRZ Notification, 2011, Para 4(i)(a), Clearance shall be given **for any activity** within the CRZ if it requires **waterfront and foreshore facilities**;
- As per the CRZ Notification, 2011, 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.
- As per the CRZ Notification, 2011, Para 8 (i) II CRZ-II, (ii) buildings permitted on the landward side of the existing authorized structures shall be subject to the existing local town and country planning regulations as modified

from time to time, except the Floor Space Index or Floor Area Ratio, which shall be as per 1991 level.

- **Furthermore, there is no existing authorized structure or authorized road between the proposed site and the HTL of Sea.**
- The Office Memorandum dated 26.04.2022 (Procedure for clearance of permissible activities as per the CRZ Notification, 2011), Para 4 mentioned "In case, the CZMA desires to consider an activity which is not explicitly mentioned in the Notification (CRZ Notification, 2011) or not permissible, such recommendations shall be forwarded with detailed justification to the Ministry for consideration.

Justification for recommending proposal to MoEF & CC, GoI

Selection Criteria of the site

- The location provides an open sea, ideal for extensive racecourses, offering optimal conditions for competitive sailing activities.
- The site experiences low tidal differences with minimal currents, making it one of the best locations for sailing races in India.
- A waterway leading inland from the sea facilitates easy launching and mooring of boats, ensuring seamless operations for sailing activities.
- The historical presence of an old boathouse and jetty at this site further underscores its suitability for water-based sports infrastructure.
- The location allows for high visibility of the sport, attracting both participants and tourists.
- As sailing is inherently a sea-front activity, the site fulfils the fundamental requirement of proximity to the sea.

Regulatory Justification:

If the site falls under the CRZ-III category (200-500m from the HTL), the construction is permissible as per Para 8 (i) III CRZ-III B (i) of the CRZ Notification, 2011.

Recommendation of the proposal to MoEF & CC, Govt. of India

Considering the aptness of the site for the construction of the Sailors Academy and the nature of the proposed activity as a foreshore and waterfront endeavor, the TNSCZMA recommends the proposal for issuance of CRZ Clearance subject to the following conditions:

1. The Project Proponent shall undertake the constructions only after getting the required Clearances from the Competent Authorities such as Planning Permission, Plan Approval etc.,
2. The swimming pool shall be used exclusively for training purposes for sailors and not for any commercial or entertainment activities.
3. The proponent should not carry out any other activities other than proposed.
4. The Project Proponent shall not draw any groundwater in CRZ area, under any circumstances.
5. Excavated materials generated during construction must not be dumped in water bodies or adjacent areas to avoid environmental degradation.
6. A rainwater harvesting system shall be developed to maximize the effective use of rainwater, ensuring all freshwater demands are sustainably met.
7. The Project Proponent shall explore and implement measures for maximum utilization of renewable energy sources to reduce dependence on non-renewable energy.
8. Solid waste generated during the project shall be managed in accordance with the provisions of the Solid Waste Management Rules, 2016.
9. No construction debris shall be deposited or disposed off in Coastal Regulation Zone areas
10. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure minimal environmental impact.

Addl. Agenda Item No. 3 One day workshop on Sterilization of Atomic Minerals (Beach Sand Minerals) in Coastal States held on 30.09.2024 - Settlement of Travelling charges to Dy. Director (Land Use)

and

Addl. Agenda Item No. 4 Demarcation of HTL (High Tide Line) maps - GIS Cell - Programme Officer and Technical Officer were directed to visit NCESS, Kerala & KCZMA - 03/10/2024 to 05/10/2024 - Reimbursement of expenditure towards Travelling charges to officials of GIS Cell

The Authority has permitted to reimburse the actual travel expenses incurred by them to the said officials of Department of Environment and Climate Change from the Coastal Zone Development fund.

The meeting concluded with vote of thanks.

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
Dr. P. Senthil Kumar, I.A.S.,
Chairperson, Tamil Nadu State Coastal
Zone Management Authority and
Principal Secretary to Government,
Environment, Climate Change &
Forest Department,
Secretariat, Chennai-9.