

# 116<sup>th</sup> MEETING

## TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 20.06.2022 (Monday)

Time: 10.30 AM

Venue:

Chambers of the Additional Chief  
Secretary to Govt.,  
Environment, Climate Change & Forests  
Department,  
Namakkal Kavignar Maaligai,  
Secretariat, Chennai.9

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THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

116<sup>th</sup> MEETING

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**AGENDA ITEM NO.01:** Confirmation of the minutes of the 115<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 05.04.2022

The 115<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 05.04.2022 and the minutes were communicated to the Members of the Authority, vide this office letter No.P1/1950/2021 dated 06.05.2022.

**AGENDA ITEM NO.02:** The action taken on the decisions of 115<sup>th</sup> meeting of the Authority held on 05.04.2022

Sl. No.	subject	Action taken
01	Construction of training walls in the Northern and Southern sides of Ennore Creek / Inlet (South Side of M/s. KPL Ltd.) and deepening the Kosasthalaiyar River mouth for the sustainable opening of River mouth in Thiruvottiyur Taluk, Tiruvallur district by the Executive Engineer, Water Resources Department, Araniyar Basin Division, Chepauk, Chennai.	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF & CC, GoI, vide this office letter No.P1/1932/2021, dated 12.05.2022

Sl. No.	subject	Action taken
01	Construction of Curved Training Walls (Groynes) in the Northern and Southern sides of Cooum River Mouth (Eastern side of Regulator) and allied works for the sustainable opening of Cooum River Mouth in Chennai district proposed by Executive Engineer, Water Resources Department, Araniyar Basin Division, Chepauk, Chennai.	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/2500/2021, dated 12.05.2022
02	Proposed Development of Fish Market at S.No.7581, Block No. 48, Mylapore Village, Mylapore Taluk, Chennai district proposed by Superintending Engineer, Buildings Department, Greater Chennai Corporation (resubmission)	As resolved by the Authority, the proposal has been recommended to CMDA, vide this office letter No.P1/054/2021, dated 18.05.2022
03	Proposed laying of pipeline over a distance of 1.47 KM in the CRZ area of Nagapattinam district by M/s. Torrent Gas Private Limited, Karaikkal	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/1763/2021, dated 12.05.2022
04	India Asia Xpress (IAX) Submarine cable system landing at Santhome High Road, Basha Garden, Mylapore, Chennai, Tamil Nadu by M/s. Reliance JioInfocomm Limited, New Delhi	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. No. P1/2501/2021, dated 10.05.2022 The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 8129/EC-3/2022-1 dated 30.05.2021.
05	Proposed laying of submarine cable system spanning 8100km for the proposed Myanmar/Malaysia India Singapore Transit (MIST) Submarine cable System landing at Near Block AP, Foreshore Estate Promenade Road, MRC Nagar, Chennai by M/s. NTT Communications India Network Services Pvt. Ltd., Gurgaon	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. No. P1/2504/2021, dated 10.05.2022. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 8130/EC-3/2022-1 dated 30.05.2021.

Sl. No.	subject	Action taken
06	Proposed construction of Shoreline Protection Structure(Groynes Field for erosion prevention & control) at Melmidalam, Karungai Village, Killiyoor Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil.	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/108/2021, dated 12.05.2022
07	Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Enayam, Keezhkulam Village, Killiyoor Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil.	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/109/2022,dated 18.05.2022
08	Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Azhikkal, Ganapathipuram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/110/2022,dated 18.05.2022
09	Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Periyamayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/111/2022,dated 18.05.2022
10	Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Kovalam, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/112/2022,dated 18.05.2022

Sl. No.	subject	Action taken
11	Construction of Integrated StormWater Drains (ISWD) in "Kovalam Basin" within Greater Chennai Corporation limits, viz., Kottivakkam, Palavakkam, Neelankarai, Enchambakkam, Uthandi Villages in Chennai district by Greater Chennai Corporation, Chennai	As resolved by the Authority, the Project Proponent has been requested to submit the additional details, vide this office letter No.P1/2498/2021, dated 12.05.2022
12	Application for CRZ Clearance received for the establishment of Captive Coal Jetty and Pipe Conveyor System for 2 x 660 MW Udangudi Supercritical Power Project - Stage-I at Udangudi, Tiruchendur Taluk, Thoothukudi district - Extension of validity	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. No. P1/538/2022, dated 10.05.2022. The E,CC&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 8131/EC-3/2022-1 dated 30.05.2021.
13	CRZ Clearance issued for "Creation of Leisure Cycle Track, Pedestrian Walkway & Tree Plantation along Buckingham Canal from Kasturibai Nagar MRTS to Thiruvanmiyur MRTS Stations by Superintending Engineer, Special Project Department, Chennai.3" - Exemption requested for remitting 2% on total project cost to CER activity	As resolved by the Authority, a letter exempting to remit CER amount and recommended to CMDA, vide this office letter No.P1/370/2021, dated 18.05.2022.
14	CRZ Clearance issued for "Formation of new link road connecting Greenways Road (DGS DinakaranSalai) with DurgabhaiDeshmukh road through Tamil Nadu Music College in Mylapore Village and Mylapore Taluk, Chennai district" Proposed by Highways Department, Chennai.25 - Exemption requested for remitting 2% on total project cost to CER activity	As resolved by the Authority, a letter exempting to remit CER amount, vide this office letter No.P1/2800/2020, dated 12.05.2022.

Sl. No.	subject	Action taken
15	Existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, VilavancodeTaluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, VilavancodeTaluk, Kanyakumari district	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/1689/2020, dated 12.05.2022
16	Existing Unit of M/s. Amali Ice Plant at S.No.130/1, Simon Colony Village, KalkulamTaluk, Kanyakumari district proposed by Thiru A. Reslin, Proprietor, Amali Ice Plant, Simon Colony Village, KalkulamTaluk, Kanyakumari district	As resolved by the Authority, the proposal was returned to DCZMA, vide this office letter No.P1/1690/2020, dated 18.05.2022
17	Draft Report on All India Performance Audit on Conservation of Marine Ecosystem conducted by the o/o Accountant General (Audit-II), Chennai.	As resolved by the Authority, the draft report on All India Performance Audit on Conservation of Marine Ecosystem was circulated to the Members of TNSCZMA, vide this office lr. No. P1/255/2020, dated 27.04.2022



**AGENDA ITEM NO.03: Development / Improvement of 7 Infrastructure facilities at Chennai Port proposed by M/s. Chennai Port Trust, Chennai.**

- 1) M/s Chennai Port Trust, Chennai has proposed the following Development / Improvement of 7 infrastructure facilities at Chennai Port, Chennai.
  - i. Improvement to the existing Jawahar Dock (East) Berths for handling bulk cargoes (Modernization).
  - ii. Improvement to the existing Bharathi Dock-II Berth for handling bulk cargoes (Modernization)
  - iii. Relocation of existing Sand Trap and Capital Dredging (Change in location).
  - iv. Development of Multi level Car Parking facility (5000 cars) (New)
  - v. Development of Coastal Terminal (1MTPA) at Northern sheltering arm at east of Bharathi Dock turning circle (New).
  - vi. Development of Dry Dock Facility in the Boat Basin / Timber Pond Area (New) and
  - vii. Development of Storage Sheds and Tank Farms as per the Land Use Plan of the Chennai Port (New).
- 2) The details of the proposed works are given below.
  - i) **Improvement to the existing Jawahar Dock (East) Berths for handling bulk cargoes** - The total quay length in Jawahar Dock is about 1.3km with 6 berths, 3 each on the east and the west and basin dimensions of 655m x 152m. The proposal envisages improvement to the existing berths in the form of strengthening of berth structure for about 140m out of 655m long and re-paving the yard on the eastern side of the JD berths.
  - ii) **Improvement to the existing Bharathi Dock-II Berth for handling bulk cargoes** - The proposal envisages improvement to the existing berths in the form of re-paving the berth surface, replacement of fenders, strengthening works to the steel piles, yard pavement and dismantling of existing conveyor lines / drive house / stacker cum reclaimer.
  - iii) **Relocation of existing Sand Trap and Capital Dredging** - Based on the study of CWPRS (Central Water & Power Research Station), the optimum size of the Sand Trap 250m x 500m to be dredged from the average sea bed level of (-)14m to (-)22m below CD. The quantity of sand to be dredged is 9,20,000m<sup>3</sup>.

- iv) **Development of Multi level Car Parking facility** - The proposed berth designed for 300m length and 30m width based on the requirement to accommodate 225m to 275m length of car carrier / cargo vessels. The total area to be dredged is estimated 35,000 sqm and the dredged quantity about 2,00,000m<sup>3</sup>.
- v) **Development of Coastal Terminal (1MTPA) at Northern sheltering arm at east of Bharathi Dock turning circle** - It is proposed to develop exclusive Coastal Terminal with open type piled wharf structure of 260m x 16m to 19.5m in front of the Northern Sheltering arm of breakwater at southeast corner of Bharathi Dock turning Basin. The alongside of the Coastal Terminal and the adjacent areas of the Turning Basin could be dredged to (-)9.00m CD to accommodate Coastal Shipping Vessels having drafts upto 8.00m.
- vi) **Development of Dry Dock Facility in the Boat Basin / Timber Pond Area** - The Boat basin/ Timber pond is a shallow basin with drafts varying from 1m to (-)6m CD. It serves as a shelter for port crafts mainly tugs, launches etc., and for port craft that require repair and maintenance. The proposed facility is conversion of existing Boat Basin and Timber Pond located in the southwest end of inner harbor to facilitate the repairing of ships.
- vii) **Development of Storage Sheds and Tank Farms as per the Land Use Plan of the Chennai Port** - The Port has finalized the Land Use Plan and proposed to allot land to the users on tender basis. As part of the Land Use Plan, Port has identified the Land for Development of Covered Sheds, Tank Farm etc. The facilities will be developed either through internal recourses or through third party.

3) The project is falling in CRZ-II and CRZ-IVA and the proposed project cost is Rs.905.59 crores.

4) The DCZMA for CMDA areas has resolved to recommend the proposal to the TNSCZMA in the meeting held on 22.06.2020, with the following conditions.

- a) Location of the projected dumping area for dumping of the de-silted sand from the existing sand trap duly marked in the HTL map 2018, shall be furnished.
- b) Location of the projected dumping area for dumping of the dredged material for the development of coastal terminal, duly marked in the HTL Map 2018, shall be furnished.
- c) Copy of MoU executed with the Coast Guard for the development of dry dock-facility in the Boat/Basin/Timber Pond shall be furnished.

.08.

d) The Chennai Port Trust (CPT) shall ensure and permit the establishment of tank farms facility in the area designated by CPT, only after those proponents obtain the CRZ Clearance for the proposed establishment of tank farms facility.

5) The Project Proponent has submitted the revised HTL Demarcation map superimposing the location of the dumping area for dumping of dredged material and submitted the updated EIA report. The Project Proponent has assured that some of the conditions will be complied with during the project execution, vide their letter dated 19.09.2020.

6) The subject was placed before the 111<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021 and the Authority resolved to submit the revised proposal incorporating the following details to take further action.

- a) The proposed project shall include the bathymetric study mainly considering the adverse effect to marine eco system.
- b) The Project Proponent shall furnish the plan and other details of the development of storage sheds and the tank farms.
- c) The EIA report should include the impacts and mitigation separately for each proposed component.
- d) The Project Proponent shall provide the detailed study of identification of the site and handling capacity for the dumping of dredged material with clear outcome that the marine ecosystem does not get affected by the dredging materials.
- e) The proposed projects shall include the indigenous species selection for green belt development not only on the port area but also considering surrounding area wherever possible.
- f) The proposal should include the revised faunal area assessment.
- g) The Proponent should ensure providing the MoU, before the commencement of the project activity.
- h) The Project Proponent should submit the details of the Corporate Environmental Responsibility (CER) activities proposed.
- i) In the case of development of multilevel car parking facility, the proponent should provide the Oil Spill Waste Management Report.
- j) The Project Proponent should formulate the Port Reception facility for Hazardous and other Wastes.

k) The Project Proponent should ensure about the management of the Ballast Water as per the MARPOL Convention.

7) The Project Proponent has submitted the replies for the above, vide their letter dated 01.06.2021 and the proposal was again placed before the Authority in the 113<sup>th</sup> meeting held on 27.10.2021 & 01.11.2021 and the Authority resolved to take up the proposal in the next meeting subject to clearing the following queries:

- a) The Tank Farms store oil but are very close to the sea. Details of precautions taken to prevent oil spill, as already an incident had occurred in the Ennore Port.
- b) If the debris are dumped into the sea, the benthic organisms would be affected hence these building debris cannot be dumped into the sea.
- c) The recommendation of the Pune Institute is not accepted and the project proponent should consult IIT Madras.
- d) No waste can be dumped into the sea as the marine habitat will be choked hence proper disposal method has to be mentioned in the proposal.
- e) The project proponent has to mention the waste from all the 7 infrastructure activities to be taken up. This should include the Quantity or the number of Lorry loads of the waste or iron scrap to be disposed from the site along with the disposal method and also the monitoring mechanism. CCTV camera may be installed for monitoring with control room where recording can be done. TNPCB can visit and monitor it.
- f) The project proponent should furnish the details of EIA for each activity to be taken up separately.

8) The applicant has submitted the reply to the above, vide letter dated 06.04.2022 and informed that the **Development of Dry Dock Facility project was dropped** as the area was handed over to Coast Guard on long term lease basis. (copy enclosed). Hence, the Project Proponent has proposed only six activities in the proposal.

9) As per the CRZ Notification 2011, vide para 3 (i) (a), the foreshore facilities for the activities and operations of ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like are permissible activities. Further vide para 3 (iv) Land reclamation, bunding or disturbing the natural course of seawater are permissible activities for the setting up, construction or modernisation or expansion of foreshore facilities like ports, harbours, jetties etc., However the above activities require Clearance from the MoEF&CC., GoI vide para 4 (ii) (a) of the CRZ Notification 2011.

**Remarks of the Technical Expert Committee**

*The Project Proponent has not submitted the recommendation of IIT Madras, instead have given justification to consider the report given by Pune Institute. The Project Proponent may be instructed to get the recommendations of IIT Madras or any other reputed institute.*

The proposal is placed before the Authority for taking suitable decision.

**AGENDA ITEM NO.04: Construction of Integrated Storm Water Drains (ISWD) in "Kovalam Basin" within Greater Chennai Corporation limits, viz., Kottivakkam, Palavakkam, Neelankarai, Enchambakkam, Uthandi Villages in Chennai district by Greater Chennai Corporation, Chennai**

The Superintending Engineer, Special Project & Bridges, Greater Chennai Corporation has proposed for the construction of Integrated Storm Water Drains (ISWD) in "Kovalam Basin" within Greater Chennai Corporation limits, viz., Kottivakkam, Palavakkam, Neelankarai, Enchambakkam, Uthandi Villages in Chennai district.

**Description of the project**

- a) The Integrated Storm Water Drain Scheme will cover the extended area of Perungudi, Sholinganallur Zone of Greater Chennai Corporation.
- b) The Storm water drain is proposed to be constructed for a length of 52.472 km both in CRZ II and Non CRZ areas in Kottivakkam, Palavakkam, Nilangarai, Injambakkam, Sholinganallur Census Towns and Uthandi Village, Sholinganallur Taluk, Chennai District for collection of storm water from the catchment area of 1137.50 hectares of which 32.644 Km falls under CRZ-II zone with 27 Nos of outfalls and the remaining 19.828 km falls under non-CRZ zone.
- c) The proposed project will prevent rainwater stagnation and flooding during heavy rainfall in the project area.
- d) The storm water collected through storm water drain from the catchment area will be connected and discharged into the existing outfall along Bay of Bengal by gravity and outfalls falls in CRZ II area.
- e) The proponent has proposed to provide 1 No of 62.5kVA DG set during construction phase as a power back up and committee instructed to provide adequate stack height with acoustic enclosures to the DG set as per the CPCB norms.
- f) It is reported that there will not be any construction in CRZ-IA Area (Sand Dunes/Turtle Nesting Areas, etc.) and in CRZ-IB Area, the area between LTL & HTL.
- g) The water requirement of about 10-13 KLD during construction phase for domestic consumption will be sourced through private tankers arranged by the Contractor.

The Project Proponent has stated that about 1,977 silt catch pits (at every 10 m inside the Drain), 171 sunken wells (at every 300 m along the Drain) and 21 Eco-storage Blocks (at identified Public Places like GCC Parks, etc.) is proposed to be constructed/incorporated in ISWD. The minimum size for rectangular channels is 0.60 x 0.75 m with a free board of 0.15 m and the maximum drain size is 2.5 x 2.0 m. The storm water is proposed to be discharged to the sea by gravity through Outfalls (27 Nos.) which will also discharge the water through infiltration means. Outfalls are for distributed discharge with minimum velocity of the surface drains and no disturbance to the Beach Profile.

Further, the Project Proponent stated that in view of the strategic importance of Panaiyur as water aquifer zone and as part of the continuing effort for protecting the "Aquifer Area", the Government of Tamil Nadu, vide GO (Ms) No.18 has issued Tamil Nadu Combined Development and Building Rules, 2019, for ensuring maximum percolation of rain water in the Aquifer Zone. According to the above guidelines, 8 village areas have been declared as Aquifer Recharge Area that serves as one of the major sources for city water supply.

#### **Hon'ble NGT (SZ) orders**

It is know that the works were commissioned in August 2020 and the works were stalled in December 2020 on account of the Original Applications (OAs) that was filed against the Project in the Hon'ble National Green Tribunal (NGT), South Zone, Chennai and Tamil Nadu State Coastal Zone Management Authority vide R.C.No.P1 / 2190 / 2020-1 dated 23.12.2020 requested the Commissioner, the Greater Chennai Corporation to stop all the activities for construction of Storm Water Drain along the stretch at Sholinganallur, Uthandi, Palavakkam Villages, till further orders.

The Hon'ble NGT (SZ) in the order dated 6.9.2021 in Original Application No. 233 of 2020(SZ), O.A. No. 243 of 2020(SZ), O.A. No. 251 of 2020 (SZ) & O.A. No. 252 of 2020(SZ) has directed the following and disposed the case.

*"Para 28: The principle of 'sustainable development' requires that all development activities must be undertaken consistent with the environmental concerns. We are in agreement with the expert Committee view that the project needs to be revisited and can proceed only after requisite CRZ clearance. The stand of the officers of the PP that the project is part and parcel of road laying work and the*

*drain does not fall in CRZ IA and I-B cannot be accepted. The project admittedly falls in CRZ-II and CRZ-III and its outfall is also in CRZ-IA which is ecologically sensitive area being notified as Ridley Turtle nesting site. Activities in CRZ-I are prohibited except those permitted in para 8. Construction of SWD in CRZI which is ecologically sensitive area is not permitted. The project needs to be revisited for feasibility of collection and re-use of rain water.*

*Para 29. Accordingly, we direct the State of Tamil Nadu and the PP to revisit the project in the light of observations of the expert Committee. They are free to consider the views of IIT, Chennai and other expert Institutions like the Indian Institute of Sciences, Bangalore. In case it is decided to go ahead with the project with suitable changes, the PP may proceed further only after statutory CRZ clearance granted. Before granting CRZ Clearance, CZMA may issue appropriate ToRs to enable Environment Management Plan to be prepared to mitigate the adverse consequences of damage to the environment. Such plan may be duly appraised while granting the CRZ Clearance. In view of statement of learned Advocate General that there is an interim order on the issue of CRZ clearance, this order will be subject to any such order. Further work of the project may be undertaken only after decision on re-visiting the project is finalized and CRZ clearance is granted as above.*

*Para 30: We record our displeasure against the officers of the PP for undertaking the work in violations of the stop work order and without requisite CRZ clearance. We also give liberty to the concerned authorities including MoEF&CC to take action for the violations in undertaking work as above. However, since it has been found that no substantial work has been executed in violation of the stop work order, we are not inclined to award compensation”.*

#### **Total cost of the project and CRZ area classification**

The total cost of the project is Rs.309.86 crores and the project is falling in CRZ-II areas.

#### **DCZMA for CMDA areas decision**

The subject was placed before the DCZMA for CMDA areas in its meeting held on 08.11.2021 and the DCZMA has resolved to recommend the above project to the Tamil Nadu State Coastal Zone Management Authority subject to the following conditions that

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. There shall not be disposal of untreated/treated waste water into the coastal area.
3. Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011 on the landward side of the existing road.



4. The project shall adhere to the Construction and Demolition Waste Management Rules, 2018.
5. No construction activity shall be started / undertaken by the proponent until obtaining the CRZ clearance from the competent authority.
6. No ground water from Coastal regulation zone area shall be tapped for the project.
7. Oil spills if any shall be properly collected and disposed as per the Rules.
8. The proponent shall furnish the site plan with the details of area earmarked for the solid waste disposal, storage of fresh water for consumption etc.,
9. The proponent shall furnish the detailed proposal for handling of solid wastes.
10. All the solid waste shall be handled as per the Solid waste Management Rules 2016.
11. The proponent shall provide necessary permission obtained from CMWSSB for water supply.
12. The sewage generated shall be transported through pipeline and connected to CMWSSB sewer after obtaining necessary permission from CMWSSB.
13. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
14. Necessary green belt of native species shall be developed along the project area to improve the air environment as per the site plan submitted and also shall contribute to Tamil Nadu Green Climate Company towards Green Tamil Nadu Mission in order to enhance the forest and tree cover in the State.
15. 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.
16. All approvals are subject to the final order of Hon'ble National Green Tribunal Southern Zone, Chennai in O.A. No. 233 of 2020(SZ), O.A. No. 243 of 2020(SZ), O.A. No. 251 of 2020 (SZ) & O.A. No. 252 of 2020(SZ).

Further, the Project Proponent has submitted the compliance report on the above conditions, vide letter dated 18.03.2022.

The subject was placed before the 115<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 05.04.2022 and the Authority decided to request the Project Proponent to submit the following additional details in the next meeting.

- i) The Project Proponent should ensure that the proposal is designed as per the directions of the Hon'ble NGT (SZ) and as per the report submitted by the Expert Committee constituted by the Hon'ble NGT (SZ), in a tabular column. It should contain the changes or interventions mentioned by the Hon'ble NGT. This should be vetted by the same Expert Committee constituted by the Hon'ble NGT.
- ii) Certificate should be submitted stating that no sewage water will be mixed with storm water drain structures even during heavy rain.
- iii) The Authority also asked the proponent to explore the Natural drains available for ensuring draining of water.

The Project Proponent has submitted the replies, vide letter dated 14.05.2022 (copy enclosed).

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

**As per CRZ Notification 2011, vide Para 3 (v) (b), stormwater drains and ancillary structures for pumping is permissible activities; Further, as per Para 8 (i) I CRZ-I (i)(b), the above activities are also permissible activities. However as per Para 4 (ii) (d), the proposed activities require clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.**

#### **Remarks of the Technical Expert Committee**

*The reply of the Project Proponent may be placed before the Authority for scrutiny.*

The proposal is placed before the Authority for taking suitable decision.

**AGENDA ITEM NO.05: Proposed Beach Resort and Convention Centre at S.No.14/3c2a and 14/3c2b of Deveneri Hamlet, Mamallapuram Village, Thirukazhukundram Taluk, Chengalpattu district by M/s. VGS Estates Pvt. Ltd., Nandanam, Chennai.35**

The District Environmental Engineer, TNPCB, Maraimalai Nagar, Chengalpattu district has forwarded a proposal received from M/s. VGS Estates Pvt. Ltd., Nandanam, Chennai.35, for the proposed Beach Resort and Convention Centre at S.No.14/3c2a and 14/3c2b of Deveneri Hamlet, Mamallapuram Village, Thirukazhukundram Taluk, Chengalpattu district for clearance under CRZ Notification 2011.

2) The above subject has been placed before the TNSCZMA meeting held on 23.08.2012 and as resolved by the Authority the proposal has been forwarded to MoEF&CC, Govt. of India, for Clearance. However, the project was not carryout by the Project Proponent.

3) Now, the Project Proponent has again proposed to construct the beach resort and Convention Centre at S.No.14/3c2a and 14/3c2b of Deveneri Hamlet, Mamallapuram Village, Thirukazhukundram Taluk, Chengalpattu district, in a plot area of 7.85 acres with total built up area of 15,054.47 Sq.m, which includes King Village Ground +1 Floor, Hotel Block is Ground+2 Floors besides 22 Nos. of Cottages, Restaurant, Bar, Swimming Pool, Entrance Arch, Convention Centre etc.,

4) The total water requirement for the project for operation phase is 181 KLD. The Project Proponent has stated that the fresh water requirement for the project is estimated to be 80 KLD and recycled water 101 KLD. The fresh water requirement will be met from in house Desalination Plant with a capacity of 87 KLD. The latitude and longitude of the intake pipeline is 12° 38' 42.140"N and 80° 12' 50.978"E and the RO reject is 12° 38' 34.367"N and 80° 13' 23.261"E.

5) The Project Proponent has stated that they proposed to establish 110 KLD Sewage Treatment Plant with UF and UV for treatment and recycling of treated sewage.

6) The power requirement is estimated to be 2700 kVA, which will be sourced from the State Grid and the power backup proposed is 2 X 1500 kVA, DG Sets.

7) The entire proposed project is falling in CRZ-IB, CRZ-II and CRZ-IVA area and the proposed cost of the project is Rs. 70 crores.

8) The DCZMA for Chengalpattu district has recommended the proposal to the TNSCZMA in the meeting held on 21.10.2020, with the following conditions.

- a) The Project Proponent shall provide adequate capacity of Sewage Treatment Plant for the treatment and disposal of sewage generated from its activity and shall utilize the treated sewage generated for toilet flushing and for green belt development within the premises after achieving discharge standards prescribed by the Tamil Nadu Pollution Control Board.
- b) The Project Proponent shall segregate the municipal solid waste generated as Biodegradable and Non-biodegradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, 2016.
- c) Proper arrangements should be made for the disposal of biodegradable solid waste generated in the project areas, by providing Organic Waste Converter (OWC).
- d) The Project Proponent shall install rooftop solar panels for the generation and utilization of electricity for its premises to the maximum extent possible.
- e) The Project Proponent shall provide LED lighting arrangement for the entire premises to save electricity power consumption.
- f) The Project Proponent shall provide rainwater storage / harvesting facilities to recharge the ground water.
- g) The Unit shall establish Environment Management Cell to administer and monitor the recommendations made in the Environment Management Plan as contained in the EIA report of the project and shall be effectively implemented.
- h) The Concentration of toxic metals may get increased due to desalination process and therefore the effluent shall be properly treated by suitable methods to remove the toxic trace metals and other contaminants if it exceeds the standards prescribed by the Board, before discharging into the sea. Periodical monitoring shall be carried out to assess the concentration of toxic trace metals in the reject water.
- i) The temperature of the effluent (reject water) shall be within the permissible limit.
- j) A moored data buoy shall be maintained in the vicinity of the effluent discharge to continuously monitor the changes in the selected physiochemical parameters.
- k) The Project Proponent shall discharge the RO reject back into the sea through uniform distribution system without any sudden increase in TDS concentration in the area. In order to reduce the effluent of high saline discharge, an efficient dispersion model shall be carried out by reputed scientific institute and the recommendations shall be implemented.

- l) The Project Proponent shall discharge the RO rejects into the sea at a distance as proposed after satisfying the standards prescribed by the Board.
- m) The Project Proponent shall provide proper stability to the marine outfall system with appropriate anchor so that it can withstand in cyclonic condition.
- n) The proposed intake and outfall activities in the sea shall not cause hindrance to the fishing activity, movement of boats etc.,
- o) The pipeline both intake and outlet shall not cause any hindrance to the movement of local communities including the fishermen.
- p) The pipeline shall not disturb the movement of fishing vessels or fishermen.
- q) Markers shall be installed at every 30 meters along the pipeline route to indicate the position of the line.
- r) A continuous and comprehensive post-project marine quality monitoring program shall be taken up. This shall include monitoring of water quality, sediment quality and biological characteristics. Baseline data shall be collected prior to commencement of the project.
- s) It shall be ensured that due to the project, there is no adverse impact on the drainage of the area and recharge of groundwater shall be tapped in the project area.
- t) The project activity shall not affect the coastal eco system including the marine flora and fauna.
- u) The project proponent shall ensure that the desalination area shall be paved completely so that the seawater shall not gain access on ground leading to ground water pollution.
- v) The high saline reject water shall be periodically monitored for the physiochemical and toxic traces metal contents through appropriate standard procedure.
- w) The Project Proponent should obtain planning permission approval for their proposed activity from the Department of Town and Country Planning.
- x) The Project Proponent shall comply with all the conditions stipulated in the guidelines attached as Annexure-III in the CRZ Notification, 2011.
- y) The Project Proponent shall develop green belt to the maximum extent within the premises.

9) The subject was placed before the 111<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021 and the Authority has resolved to request the Project Proponent to submit the following additional details from the Project Proponent for taking further action.

- a) The Project Proponent should submit the HTL Demarcation map clearly indicating the Zonation of the CRZ areas.
- b) The separate EMP should be submitted for the proposed desalination plant including the details of the depth and exact geo coordinates of pipelines in the Intertidal Zone.
- c) The Proponent should explain the impacts and mitigations for the intake and outfall pipelines of the proposed desalination plant.
- d) The Proponent should furnish the detailed Benthic Impact Study for the proposed project.
- e) Compliance report on the conditions imposed by the DCZMA.
- f) Remarks / Opinion from the authorized institute like NIOT should be obtained for the location of the proposed desalination plant mainly for the outfall.

10) The Project Proponent has submitted the replies with reference to the above vide their letter dated 27.04.2021 and 28.04.2021 and hence the proposal was again placed before the 113<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.10.2021 & 01.11.2021 and the Authority resolved to request the proponent to furnish the following additional details for clarification.

- a) The Proponent should furnish the exact built-up area as the built up area exceeds the 33% norms and seating capacity of the proposed Convention Centre.
- b) The Proponent should clarify the proposed building construction details with the overall height of the construction, as the MoEF & CC, GoI have issued in the Annexure-III of the CRZ Notification, 2011 that the overall height of the construction upto the highest ridge of the roof shall not exceed 9mts and the construction shall not be more than 2 floors (Ground Floor + 1 Upper Floor).
- c) The project proponent has not replied to the earlier query on the report to be procured from NIOT for location of the proposed desalination Plant mainly for the outfall area.

d) A detailed report on the Sewage Treatment Plant facility should be furnished.

11) Further, the Project Proponent has submitted the details w.r. to the above vide letter dated 15.02.2022 except Sl. No. (c) and informed that they have contacted NIOT past three months, but the NIOT has replied that it cannot take up these studies.

**Remarks of the Technical Expert Committee**

*Since NIOT has expressed their inability to offer remarks or take up study, the Project Proponent may be requested to contact any other Institution/ Agency for getting remarks / opinion on the location of the proposed outfall of the desalination plant.*

**Provisions on the CRZ Notification, 2011**

As per the approved CZMP during 2018, the project site is falling in CRZ II on seaward side. As per the CRZ Notification, 2011, the MoEF&CC, Govt. of India have issued guidelines vide Annexure III for the development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of the Ministry of Environment and Forests. The Proposal satisfies the guidelines stipulated for the beach resorts in CRZ II. Further, vide para 4 (i) (a), para 8 (i) I CRZ I (i) (b) and 8 II CRZ II (v), the desalination plant is permissible activity. However, the project requires clearance from the MoEF& CC, Govt. of India, vide para 4 (ii) (h) of CRZ Notification 2011.

12) The Authority may consider.

**AGENDA ITEM No.06: Construction of Clinic Building at T.S. No.223/3, 229, 230, Ward No.6, Block No.9, Pudupalayam, Cuddalore, Cuddalore district by Dr. SathyaMariappan, Anna Nagar, Cuddalore**

Dr. SathyaMariappan has proposed to construct a Clinic building in T.S. No.223/3, 229, 230 Ward No.6, Block No.9, Pudupalayam, Cuddalore, Cuddalore district.

**Description of the project**

The total floor area is 297.58 sq.mtr. which includes 217.69 sq.mtr for ground floor and 79.89 sq.mtr for 1<sup>st</sup> floor. The open space area will be available 618.31 sq.mtr. The total height of the building is 6.90 m.

**CRZ classification & total cost of the project**

The CRZ classification of the area is CRZ-II and one of the existing road is available between the site and the HTL of Kadilam River, as per the HTL demarcation map submitted by the Project Proponent. The total cost of the project is Rs.35 lakhs.

**Source of fresh water**

The source of water supply for construction activities will be met from outsourcing. After construction, the fresh water will be met from Municipal water supply.

**Provisions in the 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 16<sup>th</sup> June 2015 as Para 8 II CRZ-II (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level".

**Remarks of the Technical Expert Committee**

*The Committee decided to place the proposal before the Authority*

The subject is placed before the Authority for taking suitable decision.



**AGENDA ITEM No. 07:** Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Enayam, Keezhkulam Village, Killiyoor Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil.

The Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil has proposed for the construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Enayam, Keezhkulam Village, Killiyoor Taluk, Kanyakumari district.

**Need of the project**

The Enayam Village situated at 8.5 km northwest of Colachel Fishing Harbour and 3km Southeast of Thengapattinam Fishing Harbour. The beach is covered with elevated rubble mound seawall. There is no beach present in this region beyond the seawall at the seaward side. The entire region is at an elevation of about 4m above MSL. However, the waves approaching the shore are overtopping the existing seawall. The high waves experienced seasonally affects the buildings close to the shoreline. Few patches of rocky headlands are present till 500m offshore. Hence, the Project Proponent has proposed to construct one groyne at Enayam from the shorefront of the Enayam Church.

**Project description**

The Project Proponent has proposed to construction one groyne for a length of 111.8m. The IIT Madras has prepared the design of the project, as detailed below.

- A "L" shaped groyne is proposed based on the field requirements.  
Latitude : 8° 13' 1.740" N      Longitude : 77° 11' 15.850" E
- The proposed groynes are only the first phase of construction and are designed to be within the funds available. The shoreline changes due to construction of proposed groynes are to be monitored and if erosion is observed adjacent to the groynes, either seawall or transition groynes are to be constructed in the second phase.

**CRZ classification & total cost of the project**

The CRZ classification of the area is CRZ-IB (Intertidal Zone) and CRZ-IV (A). The total cost of the project is Rs.8.1229 crores.

### **DCZMA recommendation**

The DCZMA for Kanyakumari district has recommended the project to SCZMA in the meeting held on 30.12.2021.

### **TNSCZMA's decision**

The proposal was placed before the 115<sup>th</sup> TNSCZMA meeting held on 05.04.2022 and resolved to return the proposal to DCZMA, as Village was not mentioned in the draft Comprehensive Shoreline Protection Management Plan prepared by IIT Madras. Hence, the proposal was returned to DCZMA.

### **Appeal from the Project Proponent through DCZMA**

The Project Proponent has approached the DCZMA and informed that the Enayam Village is available in the draft Comprehensive Shoreline Protection Management Plan prepared by the IIT Madras.

The DCZMA of Kanyakumari district has convened a 93<sup>rd</sup> meeting of the DCZMA and mentioned in the minutes that Enayam Village is available in the draft Shoreline Protection Management Plan prepared by IIT Madras in Table No.2.3 (Sl. No.23) in protected reaches of Tamil Nadu and now it is damaged and cause further soil erosion. Hence, the DCZMA recommended and forwarded the Proponent's representation to SCZMA for CRZ Clearance.

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

- As per CRZ Notification 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; vide Para 4(i) (f) and vide 8 I CRZ-I (ii) (b) of the said Notification, erosion control measures are permissible activities.

### **Status on Application No. 4 of 2013**

An Application No.4 of 2013 was filed before the Hon'ble NGT (SZ), on erosion control measures at shoreline. The Hon'ble NGT (SZ) has disposed the Application, with the below directions, vide order dated 11.04.2022.

"The approved CZMP shall contain the parameters as listed in the CRZ 2019 Notification including High, Medium and Low erosion stretches for such erosion prone areas. SMP shall be prepared as illustrated by NIOT for such erosion prone areas. We further direct preparation/updation of their SMPs for such identified eroding stretches shown in the CZMPs within six months. Pending preparation/updation of such SMPs by the Coastal States/UTs, no further hard structures for erosion control be raised or constructed".

**Remarks of the Technical Expert Committee**

*The Committee opined that as per the order of the Hon'ble NGT dated 11.04.2022, Shoreline Management Plan (SMP) for erosion prone areas are to be incorporated in the CZMP 2019, which is pending. Therefore, the proposal may be considered, after preparation of SMP. The above status on the proposal is brought to the knowledge of the Authority, for taking suitable decision.*

**AGENDA ITEM No. 08: Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Azhikkal, Ganapathipuram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil**

The Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil has proposed for the construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Azhikkal, Ganapathipuram Village, Agastheeswaram Taluk, Kanyakumari district.

**Need of the project**

The Azhikkal Village is situated at about 1 km east of Muttom Fishing Harbour. It has been stated by the Villagers that after the construction of breakwaters of Muttom Harbour, the Village is facing very large amount of cross-shore sediment deposition. The cross-shore sediment deposition resulted in formation of sand dunes and sand berms in that region. Due to the activity of wind the sand is again transported from the dunes and berm to further foreshore. This Aeolian transport has affected the buildings located close to the shoreline and has also caused casualties in the Village. Hence, the Project Proponent has proposed to construct four short groynes at Azhikkal.

**Project description**

The Project Proponent has proposed for the construction of 4 Nos. of series groynes at Azhikkal, Ganapathipuram Village, for a length of 64m, 60m, 57m, 50m respectively. The IIT Madras has prepared the design of the project, as detailed below.

- A groyne field consisting of 4 groynes is proposed based on the field requirements.

Latitude :	8° 7' 29.470"N	8° 7' 29.050"N
Longitude :	77° 20' 18.080" E	77° 20' 23.010" E
Latitude :	8° 7' 28.340"N	8° 7' 27.080"N
Longitude :	77° 20' 27.740" E	77° 20' 32.370" E

- The proposed groynes are only the first phase of construction and are designed to be within the funds available. The shoreline changes due to construction of proposed groynes are to be monitored and if erosion is observed adjacent to the groynes, either seawall or transition groynes are to be constructed in the second phase.

#### **CRZ classification & total cost of the project**

The CRZ classification of the area is CRZ-IB (Intertidal Zone) and CRZ-IV(A). The total cost of the project is Rs.9.38 crores.

#### **DCZMA recommendation**

The DCZMA for Kanyakumaridistrict has recommended the project to SCZMA in the meeting held on 30.12.2021.

#### **TNSCZMA's decision**

The proposal was placed before the 115<sup>th</sup> TNSCZMA meeting held on 05.04.2022 and resolved to return the proposal to DCZMA, as Village was not mentioned in the draft Comprehensive Shoreline Protection Management Plan prepared by IIT Madras. Hence, the proposal was returned to DCZMA.

#### **Appeal from the Project Proponent through DCZMA**

The Project Proponent has approached the DCZMA and informed that "The west coast is vulnerable to both SW and NE monsoons as recommended in the IIT report viz., "Protection Measures for Tamil Nadu Coast - March 2005". Also it was recommended in Page No.71 of the said report that the plantations are recommended on the east of Muttom consisting of certain villages including "Azhikkal" where crest of the sea wall and land are at the same elevation so that raising crest elevation by 1 mtr. was recommended to prevent overtopping. Also Thiru R. Sundaravadelu, IIT Professor recommended for short groynes in Azhikkal instead of seawall and plantation to retain and safeguard the existing beach". Hence, the DCZMA recommended and forwarded the Proponent's representation to SCZMA for considering CRZ Clearance, in the 93<sup>rd</sup> meeting held on 28.05.2022.

**Provisions in the CRZ Notification, 2011**

- As per CRZ Notification 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; vide Para 4(i) (f) and vide 8 I CRZ-I (ii) (b) of the said Notification, erosion control measures are permissible activities.

**Status on Application No. 4 of 2013**

An Application No.4 of 2013 was filed before the Hon'ble NGT (SZ), on erosion control measures at shoreline. The Hon'ble NGT (SZ) has disposed the Application, with the below directions, vide order dated 11.04.2022.

"The approved CZMP shall contain the parameters as listed in the CRZ 2019 Notification including High, Medium and Low erosion stretches for such erosion prone areas. SMP shall be prepared as illustrated by NIOT for such erosion prone areas. We further direct preparation/updation of their SMPs for such identified eroding stretches shown in the CZMPs within six months. Pending preparation/updation of such SMPs by the Coastal States/UTs, no further hard structures for erosion control be raised or constructed".

**Remarks of the Technical Expert Committee**

*The Committee opined that as per the order of the Hon'ble NGT dated 11.04.2022, Shoreline Management Plan (SMP) for erosion prone areas are to be incorporated in the CZMP 2019, which is pending. Therefore, the proposal may be considered, after preparation of SMP. The above status on the proposal is brought to the knowledge of the Authority, for taking suitable decision.*

**AGENDA ITEM No. 09: Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Periyamayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil**

The Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil has proposed for the construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Periyamayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district.

**Need of the project**

The Periyamayagi Street is located at about 1 km north of the famous historical monument, Thiruvalluvar Statue and 900m southwest of Chinna Muttom Harbour. The Village of Kanyakumari is densely populated. The coast comprises of sandy beach with three types of sand - yellow, black and red sand. Eventhough there are few short groynes at 150m to 200m spacing already constructed along the shoreline, the shoreline towards the residence is located at proximity. Hence, the Project Proponent has proposed to extend one of the existing groyne.

**Project description**

The Project Proponent has proposed to extend one of the existing groyne at Periyamayagi Street, Kanyakumari Village additionally 171m. The IIT Madras has prepared the design of the project, as detailed below.

- The proposed length of the extension groyne is 171m, and is recommended based on the field requirements. Latitude : 8°5'18.785"N, Longitude : 77°33'24.775"E
- The existing damaged armour layer has to be rehabilitated with armour stones available at site.
- The proposed groynes are only the first phase of construction and are designed to be within the funds available. The shoreline changes due to construction of proposed groyne is to be monitored and if erosion is observed adjacent to the groynes, either seawall or transition groynes are to be constructed in the second phase.

### **Existing groynes details**

The Project Proponent has submitted only the year of construction of existing groynes i.e. 2005 and the valid evidence on the year of construction and its approval is yet to be submitted by the Project Proponent.

### **CRZ classification & total cost of the project**

The CRZ classification of the area is CRZ-IV(A). The total cost of the project is Rs.6.94 crores.

### **DCZMA recommendation**

The DCZMA for Kanyakumaridistrict has recommended the project to SCZMA in the meeting held on 30.12.2021.

### **TNSCZMA's decision**

The proposal was placed before the 115<sup>th</sup> TNSCZMA meeting held on 05.04.2022 and resolved to return the proposal to DCZMA, as Village was not mentioned in the draft Comprehensive Shoreline Protection Management Plan prepared by IIT Madras. Hence, the proposal was returned to DCZMA.

### **Appeal from the Project Proponent through DCZMA**

The Project Proponent has approached the DCZMA and informed that the report on Protection Measures for Tamil Nadu Coast - March 2005, it was recommended to extend the groynes G1 (Ratchangan Street) and G5 (Periyanayaki street) for rehabilitation and extension. Hence, the DCZMA recommended and forwarded the Proponent's representation to SCZMA for considering CRZ Clearance.

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

- As per CRZ Notification 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; vide Para 4(i) (f) and vide 8 I CRZ-I (ii) (b) of the said Notification, erosion control measures are permissible activities.



**Status on Application No. 4 of 2013**

An Application No.4 of 2013 was filed before the Hon'ble NGT (SZ), on erosion control measures at shoreline. The Hon'ble NGT (SZ) has disposed the Application, with the below directions, vide order dated 11.04.2022.

"The approved CZMP shall contain the parameters as listed in the CRZ 2019 Notification including High, Medium and Low erosion stretches for such erosion prone areas. SMP (Shoreline Management Plan) shall be prepared as illustrated by NIOT for such erosion prone areas. We further direct preparation/update of their SMPs for such identified eroding stretches shown in the CZMPs within six months. Pending preparation/update of such SMPs by the Coastal States/UTs, no further hard structures for erosion control be raised or constructed".

**Remarks of the Technical Expert Committee**

*The Committee opined that as per the order of the Hon'ble NGT dated 11.04.2022, Shoreline Management Plan (SMP) for erosion prone areas are to be incorporated in the CZMP 2019, which is pending. Therefore, the proposal may be considered, after preparation of SMP. The above status on the proposal is brought to the knowledge of the Authority, for taking suitable decision.*

**AGENDA ITEM No.10: Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Kovalam, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil**

The Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil has proposed for the construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Kovalam, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district.

**Need of the project**

The Kovalam Village is located at about 3km west of the famous historical monument, Thiruvalluvar statue. The coast of Kovalam is a sandy bay with rocky headlands at the East. Fishermen land their boats in the bay. The bay is partially protected by an existing "L" groyne located in the west which is severely damaged at the offshore end. Due to damaged groynes extreme seasonal waves are witnessed in the bay causing damage to the fishermen's boat and properties. Not much erosion was observed on the either side of the bay, whereas the bay was subjected to seasonal sediment deposition. Thus the Project Proponent has proposed to extend the one existing groyne.

**Project description**

The Project Proponent has proposed to extend one of the existing groyne at Kovalam Village additionally 131.5m. The IIT Madras has prepared the design of the project, as detailed below.

- The proposed length of the extension groyne is 131.5m, and is recommended based on the field requirements. Latitude : 8° 4' 47.860"N, Longitude : 77° 31' 30.470"E.
- The existing damaged armour layer has to be rehabilitated with armour stones available at site.
- The proposed groynes are only the first phase of construction and are designed to be within the funds available. The shoreline changes due to construction of proposed groyne is to be monitored and if erosion is observed adjacent to the groynes, either seawall or transition groynes are to be constructed in the second phase.

### **Existing groynes details**

The Project Proponent has stated that the year of construction of existing groynes i.e. 2005 and submitted the Minutes of the Project Monitoring Committee for HUDCO held on 08.04.2004 and G.O. Ms. No.76, dated 30.03.2005.

### **CRZ classification & total cost of the project**

The CRZ classification of the area is CRZ-IV(A). The total cost of the project is Rs.11.02 crores.

### **DCZMA recommendation**

The DCZMA for Kanyakumaridistrict has recommended the project to SCZMA in the meeting held on 30.12.2021.

### **TNSCZMA's decision**

The proposal was placed before the 115<sup>th</sup> TNSCZMA meeting held on 05.04.2022 and resolved to return the proposal to DCZMA, as Village was not mentioned in the draft Comprehensive Shoreline Protection Management Plan prepared by IIT Madras. Hence, the proposal was returned to DCZMA.

### **Appeal from the Project Proponent through DCZMA**

The Project Proponent has approached the DCZMA and informed that the Kovalam Village is available in the draft Comprehensive Shoreline Protection Management Plan prepared by the IIT Madras.

The DCZMA of Kanyakumari district has convened a 93<sup>rd</sup> meeting of the DCZMA and mentioned in the minutes that in the draft Shoreline Protection Management Plan prepared by IIT Madras has mentioned the entire stretch of coastal road connecting upto Kanyakumari has been lost to the sea. In addition, several houses had been sacrificed to the sea, this 500m long coastal stretch, downstream of Kovalamgroynes should be protected using a transition groyne.

**Solution suggested in the draft report:** A transition groin field is required to mitigate erosion on the north of the existing groin. Further, an additional groin may be constructed on its south to create safe fish landing facility.

**Provisions in the CRZ Notification, 2011**

- As per CRZ Notification 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; vide Para 4(i) (f) and vide 8 I CRZ-I (ii) (b) of the said Notification, erosion control measures are permissible activities.

**Status on Application No.04 of 2013**

An Application No.4 of 2013 was filed before the Hon'ble NGT (SZ), on erosion control measures at shoreline. The Hon'ble NGT (SZ) has disposed the Application, with the below directions, vide order dated 11.04.2022.

"The approved CZMP shall contain the parameters as listed in the CRZ 2019 Notification including High, Medium and Low erosion stretches for such erosion prone areas. SMP shall be prepared as illustrated by NIOT for such erosion prone areas. We further direct preparation/updation of their SMPs for such identified eroding stretches shown in the CZMPs within six months. Pending preparation/updation of such SMPs by the Coastal States/UTs, no further hard structures for erosion control be raised or constructed".

**Remarks of the Technical Expert Committee**

*The Committee opined that as per the order of the Hon'ble NGT dated 11.04.2022, Shoreline Management Plan (SMP) for erosion prone areas are to be incorporated in the CZMP 2019, which is pending. Therefore, the proposal may be considered, after preparation of SMP. The above status on the proposal is brought to the knowledge of the Authority, for taking suitable decision.*

**AGENDA ITEM No. 11** Existing Unit of M/s. OMR Ice Plant at Re.Sy.No.129/10C, Colachel Village, KalkulamTaluk, Kanyakumari district proposed by ThiruMichealRaj.J, OMR Ice Plant, Colachel Village, KalkulamTaluk, Kanyakumari district

The DCZMA for Kanyakumari district has forwarded the proposal for Clearance under the CRZ Notification, 2011 for the existing Unit of M/s. OMR Ice Plant at Re.Sy.No.129/10C, Colachel Village, KalkulamTaluk, Kanyakumari district proposed by Thiru.MichealRaj.J, OMR Ice Plant, Colachel Village, KalkulamTaluk, Kanyakumari district.

2) In the minutes of the DCZMA (held on 02.12.2021), it has been mentioned that TNPCB has issued with closure directions and disconnection of power supply to the Unit vide TNPCB Proc. No.T1/TNPCB/F-009291/NGL/Closure/W&A/2020-1 dated 22.06.2020 since the unit operated without the consent of the Board under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution), Act, 1981 and also being operated within CRZ area without obtaining necessary Clearance under the CRZ Notification and the Unit's power supply has been disconnected by the TNPCB.

3) The Unit informed that they have obtained License from Department of Industries and Commerce on 09/02/2009, electricity connection dated: 06/09/2006, building permit dated: 13/05/2004 from Town Panchayat, Tax Paying receipt dated: 07/03/2006 and receipt of Patta dated: 23/10/2020 (downloaded from the Website)

4) As per the Para 1 of the CRZ Notification, 2011 which was promulgated in the place of CRZ Notification, 1991, imposed with effect from the date of the notification, restrictions on the setting up and expansion of industries, operations or processes and the like in the CRZ area and hence the project proponent should obtain prior clearance under CRZ Notification, 1991/2011 for developmental permissible activities. However, it is noticed that the project proponent has not obtained clearance under CRZ Notification, 1991/2011. It is also submitted that carryout the works in CRZ area, without proper Clearances from the concerned statutory Authorities, as there is no provision for ratification or post-facto clearances in CRZ Notification, 2011.

5) The DCZMA for Kanyakumari district has recommended the proposal to SCZMA for considering the issue of CRZ Clearance under CRZ Notification, 2011.

**Remarks of the Technical Expert Committee**

*The MoEF& CC, GoI issued Office Memorandum (OM) on 19.02.2021 for the procedure for dealing with violations arising due to nonobtaining a prior CRZ Clearance for permissible activities. But the Hon'bleMadurai Bench of Madras High Court has issued stay for implementation of the OM of GoI, in W.P. (MD) No. 8866 of 2021 on 13.04.2021.*

**AGENDA ITEM No. 12:** CRZ Clearance for the existing Government aided School building of Bapuji Memorial Hr. Secondary School at S.No.650/9, 650/10 & 650/11, Manavalakurichi Village, Kalkulam Taluk, Kanyakumari district by Thiru Nazerath Charles, Managing Trustee, Bapuji Memorial Hr. Sec. School, Manavalakurichi Village, Kanyakumari district

The DCZMA for Kanyakumari district has forwarded the proposal for Clearance under the CRZ Notification, 2011 for the existing Government aided School building of Bapuji Memorial Hr. Secondary School at S.No.650/9, 10 & 11, Manavalakurichi Village, Kalkulam Taluk, Kanyakumari district by Thiru Nazerath Charles, Managing Trustee, Bapuji Memorial Hr. Sec. School, Manavalakurichi Village, Kanyakumari district.

2) In the minutes of the DCZMA, it has been mentioned that the existing building is situated in CRZ-II areas and the applicant has mentioned in his letter dated 05.01.2022 that the existing building was demolished and reconstructed in the year 2007 and requested to issue CRZ Clearance.

3) The school building was constructed with 3 floors (G+2) within the site area of 1,69,884 sqm. The total built up area is 8071.49 sqm and non FSI area including parking is 13,140.41 sqm. The site is falling in CRZ-II area and the cost of the project is Rs.3 crores.

4) As per the Para 1 of the CRZ Notification, 2011 which was promulgated in the place of CRZ Notification, 1991, imposed with effect from the date of the notification, restrictions on the setting up and expansion of industries, operations or processes and the like in the CRZ area and hence the project proponent should obtain prior clearance under CRZ Notification, 1991/2011 for developmental permissible activities. However, it is noticed that the project proponent has not obtained clearance under CRZ Notification, 1991/2011.

5) It is also submitted that carryout the works in CRZ area, without proper Clearances from the concerned statutory Authorities, as there is no provision for ratification or post-facto clearances in CRZ Notification, 2011.

6) However, the DCZMA for Kanyakumari district has recommended and forwarded the proposal to SCZMA in the meeting held on 13.04.2022.

**Remarks of the Technical Expert Committee**

*The MoEF & CC, GoI issued Office Memorandum (OM) on 19.02.2021 for the procedure for dealing with violations arising due to not obtaining a prior CRZ Clearance for permissible activities. But the Hon'ble Madurai Bench of Madras High Court has issued stay for implementation of the OM of GoI, in W.P. (MD) No. 8866 of 2021 on 13.04.2021.*

**AGENDA ITEM No.13: CRZ Clearance for the existing school building of "Our Lady of Mercy Matriculation School" at S.No. 312/1A1A, Ezhudesam C Village, Killiyoor Taluk, Kanyakumari district by Sr.JayaSheela.Our Lady of Mercy Matriculation School, Karunypuram,Poothurai, Kanyakuari district**

The DCZMA for Kanyakumari district has forwarded the proposal for Clearance under the CRZ Notification, 2011 for the existing school building of "Our Lady of Mercy Matriculation School" at S.No. 312/1A1A, Ezhudesam C Village, Killiyoor Taluk, Kanyakumari district proposed by Sr. Jaya Sheela.S., Our Lady of Mercy Matriculation School, Karunypuram, Poothurai, Kanyakuari district.

2) The total area of the project is 15,531.70 sq.mtr. and the plinth area of the project in Ground Floor is 962.21 sq.mtr and 480.72 sq.mtr for 1<sup>st</sup> floor. Totally 1442.93 sq.mtr is the plinth area.

3) As per the copies of the records submitted by the Project Proponent (Statement of accompany of structural soundness), it is understood that the Ground Floor was constructed in the year 2010 and the first floor was constructed in the year 2013. The project site is falling in CRZ-III and the cost of the project is Rs.95 lakhs.

4) As per the Para 1 of the CRZ Notification, 2011 which was promulgated in the place of CRZ Notification, 1991, imposed with effect from the date of the notification, restrictions on the setting up and expansion of industries, operations or processes and the like in the CRZ area and hence the project proponent should obtain prior clearance under CRZ Notification, 1991/2011 for developmental permissible activities. However, it is noticed that the project proponent has not obtained clearance under CRZ Notification, 1991/2011.

5) It is also submitted that carryout the works in CRZ area, without proper Clearances from the concerned statutory Authorities, as there is no provision for ratification or post-facto clearances in CRZ Notification, 2011.

6) However, the DCZMA for Kanyakumari district has recommended and forwarded the proposal to SCZMA in the meeting held on 13.04.2022.

**Remarks of the Technical Expert Committee**

*The MoEF& CC, GoI issued Office Memorandum (OM) on 19.02.2021 for the procedure for dealing with violations arising due to not obtaining a prior CRZ Clearance for permissible activities. But the Hon'ble Madurai Bench of Madras High Court has issued stay for implementation of the OM of GoI, in W.P. (MD) No. 8866 of 2021 on 13.04.2021.*

**AGENDA ITEM No. 14:** Construction of MuthamizhArignar Dr. Kalaignar Memorial within existing Anna Memorial campus at KamarajarSalai, Triplicane Village, Chennai 600 005" comprised in T.S.No. 3175 part, 3372/1 part, 3372/2 part, 3376, Block No.69 of Triplicane Village, Chennai district - Clearance issued under the CRZ Notification, 2011 - Amendment requested

The Clearance under the CRZ Notification, 2011 have been issued for the "Construction of MuthamizhArignar Dr. Kalaignar Memorial within existing Anna Memorial campus at KamarajarSalai, Triplicane Village, Chennai 600 005" comprised in T.S.No. 3175 part, 3372/1 part, 3372/2 part, 3376, Block No.69 of Triplicane Village, Chennai district". The decision of the TNSCZMA in the meeting held on 27.12.2021, is given below.

- a) *The SCZMA decided to grant permission for the construction of Kalaignar Memorial within the existing authorized structure, under the CRZ Notification, 2011, as recommended by the DCZMA.*
- b) *The proposal for the construction of compound wall in the north eastern portion encompassing the 40 cents comprised in Survey No. 3372/1 along with the construction of Open Air Theatre (seating area + Stage+ ramp) and Museum, can be taken up after submission of required documents by the project proponent.*

2) In this connection, the Project Proponent has informed that they proposed to construct the compound wall in the north eastern portion encompassing the 40 cents with temporary wooden fence and wooden Open Air Theatre and Museum with wood and Eco friendly materials and requested to issue amendments in the CRZ Clearance.

**AGENDA ITEM No. 15:** Any other subject with the permission of the Chair.

Sd./- xxxxx

Thiru Deepak S. Bilgi, I.F.S.,  
Member Secretary, TNSCZMA &  
Director, Dept. of Environment &  
Climate Change, Chennai - 15.



**Additional Agendas for the 116<sup>th</sup> Tamil Nadu State Coastal Zone Management Authority meeting scheduled on 20.06.2022 at 10.30 A.M.**

**Agenda Item No.15 (1):** Proposed construction of "MuthamizhArignar Dr. Kalaignar Pen Monument" in Bay of Bengal off the coast of Marina Beach near Triplicane Village, Chennai district.

The Executive Engineer, PWD, Building Construction Division-I, Chepauk, Chennai has proposed to construct "MuthamizhArignar Dr. Kalaignar Pen Monument" in Bay of Bengal off the coast of Marina Beach near Triplicane Village, Chennai district.

**Description of the project**

The proposed total area of the project is 8551.13 sq.m consisting of Pen Pedestal above sea, Pedestrian Pathway above sea, Lattice Bridge above beach & land, Pedestrian Pathway above beach, Pedestrian Pathway from MuthamizhArignar Dr. Kalaignar Memorial to bridge above beach.

<b>Sl. No.</b>	<b>Description</b>	<b>Area in Sq.m.</b>
1	Pen Pedestal above sea	2263.08
2	Pedestrian Pathway above sea	2073.01
3	Lattice Bridge above Beach & Land	1856.00
4	Pedestrian Pathway above Beach	1610.60
5	Pedestrian Pathway from MuthamizhArignar Dr. Kalaignar Memorial to bridge above beach	748.44
	<b>Total</b>	<b>8551.13</b>

- a) The proposed PEN monument is 42 mtr. tall, surrounded by landscaped gardens and located in the Bay of Bengal at a distance of 360 Mts. from the shore designed in remembrance for his contributions towards Tamil literature.
- b) There will be a pedestrian bridge from his memorial to the PEN Monument at an elevation of 6 Mts. from the High Tide Line.
- c) The length of the bridge over the land is 290 Mts. (220 mts. in CRZ-II, 70 Mts. in CRZ-IA) and over the Sea in 360 Mts. (CRZ-IVA), totally covering a travel distance of 650 Mts.
- d) For public convenience, width of the Bridge will be 7 mts. with 3 mts. of glass flooring.

e) The following are the components of the project

- Pen Pedestal
- Pedestrian cum Glass Walkway
- Lattice Walkway
- Elevated Walkway

f) Based on the bathymetry survey, the minimum depth is required for construction of monument is 6m from HTL to seabed which is achieved at the 360m from LTL of the sea.

### **Other features of the project**

- The project proponent has proposed to treat about 1 KLD of sewage generated during the construction phase through Package STP and sanitary facilities available inside the existing memorial (CRZ clearance obtained from TNSCZMA vide Proc.No.P1/2462/2021 dated 06/01/2021 dated 06/01/2022) will be utilized for the proposed sewage generated during the operation Phase.
- The treated water from the existing memorial will be used for green belt developed within the premises and sludge will be used as manure for green belt.
- The project proposes to generate 98 kg/day of municipal solid waste which would be disposed through municipal / corporation bin on daily basis.
- The project proposes to utilize DG power backup & 100KVA power sourced from TANGEDCO for lightning load and 125kVA DG set as power backup with 12 Lit/Hr of HSD as its fuel.
- The project proposes to dispose the used/spent oil generated from the DG set through TNPCB authorized recyclers.

### **Three Sites were considered**

The Project Proponent stated that three sites were considered for the above project and the details are given below.

1. Site-I - Approx. 360m away from the LTL of Cooum River Mouth

The **Site-I** was rejected due to its proximity to the Cooum River mouth, heavy siltation warrants frequent desiltation, free tidal flow of water in the Cooum River will be affected and laying of new road is required.

2. Site II- Approx.360m from the LTL of Bay of Bengal along the axis of existing MuthamizhArignar Dr.Kalaignar Memorial:

**The reasons for selection of this site:**

- The **Site II** falls in the CRZ IV A
- Its proximity& significance of the existing memorial
- No disturbance to any other nearby activities
- There will be no additional traffic congestion and community pollution load since the visitors will be common for all the attractions nearby including Marina Beach & other memorials.
- laying of new roads does not arise.

Already Anna Square within whichMuthamizhArignar Dr. KalaignarMemorial is located is a tourist attracting place. Hence it is more relevant placing this new project abutting MuthamizhArignarDr.Kalaignar Memorial

3. Site III- Approx. 360m from the LTL of Bay of Bengal near the Loop Road.

The **Site III** which falls under CRZ IV A was rejected due to its proximity to Olive Ridleys nesting sites, nearness to the fish market, fishing yard & nearer to Light house.

**Expected cost and CRZ classification of the project**

The expected cost of the project is about Rs.81 crores. The proposed site falls under CRZ-IA, CRZ-II and CRZ-IVA areas.

**Recommendations of DCZMA for Chennai district**

The subject was placed before the DCZMA meeting held on 14.06.2022 and the DCZMA has resolved to recommend the above project to the Tamil Nadu State Coastal Zone Management Authority subject to the following conditions that

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) CRZ-I (i) & (ii), 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 movement 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 10 KLD Capacity provided at the existing memorial. The treated water shall be used for green belt developed within the memorial 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 Clearances 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.

**Provisions in the CRZ Notification, 2011**

- As per CRZ Notification, 2011, Para 3, (xiii) Dressing or altering the Dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose [except utilizing the rocks/hills/natural features, only in CRZ- IV (A) areas, for development of memorials/ monuments and allied facilities, by the concerned State Government]
- Para 4 (ii) (j) construction of memorials/ monuments and allied facilities by the concerned State Government in CRZ-IV (A) areas in exceptional cases, with adequate environmental safeguards, subject to the following, namely:-
  - (A) The concerned State Government shall submit justification for locating the project in CRZ area along with details of alternate sites considered and weightage matrix on various parameters including environmental parameters to State CZMA who will examine the project and make recommendation to the Central Government (MoEF) for grant of Terms of Reference (ToRs) for preparation of an environmental impact assessment report by the State Government;
  - (B) on grant of ToRs by the Central Government, the concerned State Government shall submit the draft Environmental Impact Assessment report (EIA) with Environmental Management Plan (EMP), draft Risk Assessment Report with Disaster Management Plan (DMP) including on-site and off-site emergency plan and evacuation plan during emergency, to the State Pollution Board for conduct of public hearing for the proposed project in accordance with the procedure laid down under the Environment Impact Assessment notification;
  - (C) The concerned State Government shall submit final EIA, EMP, Risk Assessment and DMP after addressing the relevant issues raised by the public during the public hearing, to State CZMA for their examination and recommendation to MoEF.

*(Note: Construction of memorials / monuments would generally discouraged in CRZ-IV areas and the same would be allowed only in exceptional cases with adequate environmental safeguards.)*

The Authority may consider.

**Agenda Item No.15 (2): Enhancement of the salary for the GIS Cell from the State Coastal Zone Management Authority Fund**

As per CRZ Notification 2019, vide para 6 (i), that "All coastal States and Union territory administrations shall revise or update their respective coastal zone management plan (CZMP) framed under CRZ Notification, 2011 and submit to the Ministry of Environment, Forest and Climate Change for approval at the earliest". Also it is informed that vide Para 6 (ii) of CRZ Notification 2019, it has been mentioned that the CZMP may be prepared or updated by the coastal State Government or Union territory by engaging reputed and experienced scientific institution(s) or the agencies including the National Centre for Sustainable Coastal Management.

Accordingly, the National Centre for Sustainable Coastal Management (NCSCM) have been requested to revise/update the Coastal Zone Management Plan with ESA, EMP etc. in 1:25000 scale as per the guidelines prescribed in the CRZ Notification 2019 vide letter dated 19.12.2019.

In this connection, the Government have accorded sanction for setting up a GIS Cell, with the following officers / staff, in the Directorate of Environment under the World Bank Assisted Emergency Tsunami Reconstruction Project vide G.O Ms. No.310, Revenue (DM4.1) department dated 29.09.2011. It has also been ordered, in the said orders, that the recurring expenditure and establishment charges to be met from the Coastal Zone Management Fund. The subject has been placed before the 65<sup>th</sup> meeting of the TNSCZMA held on 10.02.2012 and the Authority has resolved to permit the Member Secretary to incur expenditure towards the establishment charges from the Coastal Zone Management Fund.

Subsequently appointments have been made in the following other posts, on contract basis, from December 2012, through the educational institutions, as the Employment Exchange indicated that no suitable persons have been available for the said posts.

Sl. No.	Name of the Post	No. of Posts	Consolidated pay p.m (as per G.O No. 310dt. 29.09.2011)	Revised Consolidated pay Reference G.Os
1	Programme Officer with GIS Knowledge	1	Rs.35,000/-	F.No.23/18/2020 - Eco.D, Date: 22.02.2021 Rs.46,000/- p.m.
2.	Technical Officer GIS Experience in Experience	1	Rs.25,000/-	F.No.23/18/2020 - Eco.D, Date: 22.02.2021 (IT Officer/Technical Officer) Rs.31,000/- p.m.
3	Technical Assistant with GIS Experience	1	Rs.15,000/-	G.O. No.100 E,CC & f-EC.3 dept Dated:13.06.2022 Rs.20,000/- p.m.
4.	Junior Assistant	1	Rs.10,000/-	G.O. No.100 E,CC & f-EC.3 dept Dated:13.06.2022 Rs.15,000/- p.m.

4) At present, the GIS cell is involving in the preparation of "Coastal Zone Management Plans and Local Level Coastal Zone Management Plan" as per the CRZ Notifications 2011 & 2019 and the GIS cell do have a strong hold in issuing CRZ clearance and the other activities of the Department of Environment and Climate Change. The GIS Cell is processing with equivalent qualification and work progress of the quoted G.O.s as mentioned in the above tabular column for the salary enhancement may be considered. Since, the salary for the above posts has not faced an increment in the past Twelve years.

5) The revised pay for the above posts may be met out from the Tamil Nadu State Coastal Zone Management Authority fund. In the upcoming years, from this current revision the authority may consider further upgrade in the pay scale for this GIS Cell every Two years.

The Authority may consider.

**Agenda Item No.15 (3): Upgradation of GIS Cell and computer accessories to the staff of Technical Expert Committee in the Department of Environment and Climate Change**

As per the provision of CRZ Notification 2019, the Department of Environment and Climate Change have planned to revise / update the Coastal Zone Management Plan (CZMP) for Tamil Nadu through reputed and experienced Scientific Institution.

2) GIS Cell in the Department of Environment and Climate Change will coordinate with the institutions for the preparation CZMP in 1:25000 scale.

3) Further, public hearings have to be conducted on Draft CZMP by the DCZMAs as per the guidelines prescribed in the CRZ notification 2019. Accordingly, the multiple numbers of hard copies of draft CZMP map in A0 size has to be disturbed to all the DCZMAs for conducting public hearing on the draft CZMP. Also, GIS Cell is assisting the Green Squad for monitor and mapping the violation / inspection on the Coastal areas etc.,

4) In this regard, it is informed that the plotter in the GIS Cell got repaired and the warranty period is also expired and hence, it is essential to buy a new plotter in GIS Cell immediately to take multiple copies of print outs on CZMP, Mapping on violations / inspections and other etc.,

5) The Government have sanctioned 2 posts on contract basis, viz., Assistant and Data Entry Operator for assisting the Technical Expert Committee for scrutinizing the CRZ Clearance proposals. To provide computers and printers to the above said posts and to replace the existing old computers in the GIS Cell, 4 Nos. of Desktops are required. Also seating arrangements are to be made for the newly created contract basis posts.

6) To protect high speed computer, plotter and essential soft wares (arc map, erdas), one AC is required. As the existing AC beyond repair, as it is a decade old and needs to be replaced by new one.



7) The following items are needed for the upgradation of GIS Cell and computer accessories to the staff for Technical Expert Committee in the Department.

<b>S. No</b>	<b>Items</b>	<b>Estimate Amount (Approx)</b>
1	Plotter with Scanner (buy back)	Rs.8.00 lakhs
2	High speed Desktops with UPS -4 Nos.	Rs.3.40 lakhs
3	4 Nos. of Chairs and Table	Rs.0.80 lakhs
4	B/W Printer cum scanner - 2 Nos.	Rs.0.80 lakhs
5	Photocopier (B/W)	Rs.0.50 lakhs
6	Air Conditioner 5 Star 2 Ton - 1 No. (to protect the software and high speed computers)	Rs.0.80 lakhs
	Total	Rs.14.30 lakhs

Authority may consider

**MINUTES OF THE 116<sup>th</sup> MEETING OF THE TAMIL NADU STATE COASTAL ZONE  
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 20.06.2022**

The Chairperson welcomed the members of SCZMA, for the 116<sup>th</sup> meeting of the SCZMA.

**Agenda Item No.01:** Confirmation of the minutes of the 115<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 05.04.2022

The minutes of the 115<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 05.04.2022 communicated to the Members of the Authority in letter No. P1/1950/2021 dated 06.05.2022 of the Director of Environment, were confirmed.

**Agenda Item No.02:** The action taken on the decisions of 115<sup>th</sup> meeting of the Authority held on 05.04.2022

The Member Secretary briefed the Members about the action being taken by the Department of Environment on the decisions taken during the 115<sup>th</sup> meeting held on 05.04.2022, which was noted by the members.

**Agenda Item No.03:** Development / Improvement of 7 Infrastructure facilities at Chennai Port proposed by M/s. Chennai Port Trust, Chennai.

**Project Cost: Rs.905.59 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas received vide letter No. CRZ-07/DEE/TNPCB/CHN/DCZMA/2020, dated 25.06.2020 and replies submitted by the Project Proponent for the queries raised by the TNSCZMA.

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification 2011, vide para 3 (i) (a), the foreshore facilities for the activities and operations of port sand harbours, jetties, quays, wharves, erosion control measures, break waters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like are permissible activities. Further vide para 3 (iv) Land reclamation, bunding or disturbing the natural course of seawater are permissible activities for the setting up, construction or modernisation or expansion of foreshore facilities like ports, harbours, jetties etc., However the above activities require Clearance from the MoEF&CC., GoI vide para 4 (ii) (a) of the CRZ Notification 2011.

Hence, the Authority decided to recommend the entire project activities to MoEF&CC, GoI, with the following conditions.

- The 9% of Greenbelt is already available and the Authority instructed the Project Proponent to increase and improve the greenbelt.
- The sensor based water sprinkler should be installed for handling bulk cargoes.
- The Project Proponent should ensure the debris would not be dumped into the sea.
- The Project Proponent is directed to get the recommendations of IIT Madras or any other reputed institute instead of Pune Institute, as recommended by the Technical Expert Committee.
- The conditions laid by the DCZMAs should be followed.
- The Project Proponent should remit 0.5% on the total project cost to Environment Management Agency of Tamil Nadu (EMAT) account, towards carrying out need based CER activities

**Agenda Item No.04:** Construction of Integrated Storm Water Drains (ISWD) in "Kovalam Basin" within Greater Chennai Corporation limits, viz., Kottivakkam, Palavakkam, Neelankarai, Enchambakkam, Uthandi Villages in Chennai district by Greater Chennai Corporation, Chennai

**Project Cost: Rs.309.86 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas received vide letter No. CRZ/DEE/TNPCB/CHN/DCZMA-1/MOM/2021, dated 27.11.2021 and replies submitted by the Project Proponent for the queries raised by the TNSCZMA.

**Provisions in the CRZ Notification, 2011**

As per CRZ Notification 2011, vide Para 3 (v) (b), stormwater drains and ancillary structures for pumping is permissible activities; Further, as per Para 8 (i) I CRZ-I (i)(b), the above activities are also permissible activities. However as per Para 4 (ii) (d), the proposed activities require clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.

Hence, the Authority decided to recommend the project activities to MoEF & CC, GoI, with the following conditions.

- The Project Proponent should ensure that the proposal is designed as per the directions of the Hon'ble NGT (SZ) in Original Application No. 233 of 2020(SZ), O.A. No. 243 of 2020(SZ), O.A. No. 251 of 2020 (SZ) & O.A. No. 252 of 2020(SZ) and as per the report submitted by the Expert Committee constituted by the Hon'ble NGT (SZ).
- The Authority instructed the Project Proponent to ensure the alignment and design proposed by the "Advisory Committee on Mitigation and Management of Flood Risk on Chennai Metro" headed by Thiru Thirupugazh, IAS (Retd.)
- After completing the work, the Project Proponent should ensure the Operation and Maintenance of the structures, appropriately.
- The conditions laid by the DCZMAs should be followed.

**Agenda Item No.05:** Proposed Beach Resort and Convention Centre at S.No.14/3c2a and 14/3c2b of Deveneri Hamlet, Mamallapuram Village, Thirukazhukundram Taluk, Chengalpattu district by M/s. VGS Estates Pvt. Ltd., Nandanam, Chennai.35

**Project Cost: Rs.70 crores**

The SCZMA has examined the recommendation of the DCZMA of Chengalpattu district received vide letter No. TNPCB/DEE/DCZMA/F-1/CRZ/2020, dated 05.11.2020 and replies submitted by the Project Proponent for the queries raised by the TNSCZMA in various meetings.

**Provisions on the CRZ Notification, 2011**

As per the approved CZMP during 2018, the project site is falling in CRZ II on seaward side. As per the CRZ Notification, 2011, the MoEF&CC, Govt. of India have issued guidelines vide Annexure III for the development of beach resorts or hotels in the designated areas of CRZ-III and CRZ-II for occupation of tourist or visitors with prior approval of the Ministry of Environment and Forests. The Proposal satisfies the guidelines stipulated for the beach resorts in CRZ II. Further, vide para 4 (i) (a), para 8 (i) I CRZ I (i) (b) and 8 II CRZ II (v), the desalination plant is permissible activity. However, the project requires clearance from the MoEF& CC, Govt. of India, vide para 4 (ii) (h) of CRZ Notification 2011.

Hence, the Authority decided to recommend the project activities to MoEF& CC, GoI, with the following conditions.

- As the NIOT has expressed their inability to offer remarks or take up study, the Project Proponent is directed to contact any other Institute / Approved Agency for getting remarks / opinion on the location of the proposed outfall of the desalination plant and submit the same to MoEF& CC, GoI.
- The Project Proponent should remit 2% on the total project cost to Environment Management Agency of Tamil Nadu (EMAT) account, towards carrying out need based CER activities.

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- The Authority suggested the Proponent to focus on the Turtle and Dugong conservations outside their CSR policies.
- The conditions laid by the DCZMAs should be followed.

**Agenda Item No.06:**      **Construction of Clinic Building at T.S. No.223/3, 229, 230, Ward No.6, Block No.9, Pudupalayam, Cuddalore, Cuddalore district by Dr. SathyaMariappan, Anna Nagar, Cuddalore**

**Project Cost: Rs.35 lakhs**

The SCZMA has examined the recommendation of the DCZMA of Cuddalore district received in letter No.T3/TNPCB/F.009438/CUD/2022, dated 14.05.2022.

**Provisions in the 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 16<sup>th</sup> June 2015 as Para 8 II CRZ-II (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level".

As the proposed activity is less than 20,000 sq.mts built up area, the Authority decided to recommend the proposal to the Planning Authority viz., Department of Town and Country Planning, as per the provisions of the Para 4(i)(d) of the CRZ Notification, 2011, with the following conditions.

- Prior Planning permission should be obtained for the proposed constructions 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) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
- There should not be any ground water extraction in CRZ.
- Proper arrangements should be made for the disposal of solid wastes generated in the project area.

- The Project Proponent should dispose the waste as per the Bio-medical Waste Management Rules, 2016.
- Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

**Agenda Item No. 07:** Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Enayam, Keezhkulam Village, Killiyoor Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil.

**Agenda Item No.08:** Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Azhikkal, Ganapathipuram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti SeaErosion Division, Water Resource Department, Nagercoil

**Agenda Item No.09:** Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Periyamayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil

**Agenda Item No.10:** Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Kovalam, Agastheeswaram Village, AgastheeswaramTaluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil

The Director, NCSCM has stated that identification of Low, Medium and High eroding sites in CZMP is under progress, as per the directions of the Hon'ble NGT (SZ). The Authority also opined that the Project Proponent may identify the soft / ecofriendly erosion control structure solutions instead of hard structure for urgent relief.

The Authority also examined the directions of the Hon'ble NGT (SZ) in order dated 11.04.2022 in Application No.4 of 2013 and opined that as per the order of the Hon'ble NGT, Shoreline Management Plan (SMP) for erosion prone areas are to be incorporated in the CZMP 2019, which is under progress. Therefore, the proposal may be considered, after approval of SMP.

**Agenda Item No.11:** Existing Unit of M/s. OMR Ice Plant at Re.Sy.No.129/10C, Colachel Village, KalkulamTaluk, Kanyakumari district proposed by Thiru.MichealRaj.J, OMR Ice Plant, Colachel Village, KalkulamTaluk, Kanyakumari district

**Agenda Item No.12:** CRZ Clearance for the existing Government aided School building of Bapuji Memorial Hr. Secondary School at S.No.650/9, 650/10 & 650/11, Manavalakurichi Village, KalkulamTaluk, Kanyakumari district by Thiru.Nazerath Charles, Managing Trustee, BapujiMemorial Hr. Sec. School, Manavalakurichi Village, Kanyakumari district

**Agenda Item No. 13:** CRZ Clearance for the existing school building of "Our Lady of Mercy Matriculation School" at S.No. 312/1A1A, Ezhudesam C Village, Killiyoor Taluk, Kanyakumari district by Sr.JayaSheela. Our Lady of Mercy Matriculation School, Karunyapuram,Poothurai, Kanyakuari district

The Authority accepted the recommendations of the DCZMA for necessary action.

**Agenda Item No. 14:** Construction of MuthamizhArignar Dr. Kalaighnar Memorial within existing Anna Memorial campus at KamarajarSalai, Triplicane Village, Chennai 600 005" comprised in T.S.No. 3175 part, 3372/1 part, 3372/2 part, 3376, Block No.69 of Triplicane Village, Chennai district - Clearance issued under the CRZ Notification, 2011 - Amendment requested

The Authority has scrutinized the recommendations of DCZMA of Chennai district through DEE, TNPCB, Chennai in letter No.CRZ/DEE/TNPCB/CHN/DCZMA/MOM/2022, dated 18.06.2022 and opinion received from the Expert Member on the construction of Open Air Theatre, Landscape public seating area and wooden fence structures adjoining the existing compound wall encompassing 40 cents of MuthamizhArignar Dr. Kalaighnar Memorial at T.S. No. 3372/1 (part), 3372/2 (part), Triplicane Village, KamarajarSalai, Chepauk, Chennai.

Hence, the proposal is recommended to CMDA for issuing Clearance, with the following conditions.

- The Project Proponent should not construct permanent structures using construction materials in the proposed development, as committed.
- The conditions laid by the DCZMAs should be followed.



**Agenda Item No.15 (1):** Proposed construction of "Muthamizh Arignar Dr. Kalaignar Pen Monument" in Bay of Bengal off the coast of Marina Beach near Triplicane Village, Chennai district.

**Project Cost: Rs.81 crores**

The SCZMA has examined the recommendation of the DCZMA of Chennai district received vide letter No. CRZ/DEE/TNPCB/CHN/DCZMA/MOM/2022, dated 16.06.2022.

**Provisions in the CRZ Notification, 2011**

- As per CRZ Notification, 2011, Para 3, (xiii) Dressing or altering the Dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose [except utilizing the rocks/hills/natural features, only in CRZ- IV (A) areas, for development of memorials/ monuments and allied facilities, by the concerned State Government]
- Para 4 (ii) (j) construction of memorials/ monuments and allied facilities by the concerned State Government in CRZ-IV (A) areas in exceptional cases, with adequate environmental safeguards, subject to the following, namely:-
  - (A) The concerned State Government shall submit justification for locating the project in CRZ area along with details of alternate sites considered and weightage matrix on various parameters including environmental parameters to State CZMA who will examine the project and make recommendation to the Central Government (MoEF) for grant of Terms of Reference (ToRs) for preparation of an environmental impact assessment report by the State Government;
  - (B) on grant of ToRs by the Central Government, the concerned State Government shall submit the draft Environmental Impact Assessment report (EIA) with Environmental Management Plan (EMP), draft Risk Assessment Report with Disaster Management Plan (DMP) including on-site and off-site emergency plan and evacuation plan during emergency, to the State Pollution Board for conduct of public hearing for the proposed project in accordance with the procedure laid down under the Environment Impact Assessment notification;

(C) The concerned State Government shall submit final EIA, EMP, Risk Assessment and DMP after addressing the relevant issues raised by the public during the public hearing, to State CZMA for their examination and recommendation to MoEF.

*(Note: Construction of memorials / monuments would generally discouraged in CRZ-IV areas and the same would be allowed only in exceptional cases with adequate environmental safeguards.)*

The Authority has resolved to recommend the proposal to MoEF& CC, GoI as per the provisions of the Para 4 (ii) (j) of CRZ Notification, 2011, with the following conditions, after obtaining the EIA, EMP, scrutiny fee etc.,

- The conditions laid by the DCZMAs should be followed.

**Agenda Item No. 15 (2): Enhancement of the salary for the GIS Cell from the State Coastal Zone Management Authority Fund**

The Authority accepted the revision of pay to the post's in the GIS Cell w.e.f 01.07.2022 and met out from the State Coastal Zone Development fund.

**Agenda Item No.15 (3): Upgradation of GIS Cell and computer accessories to the staff of Technical Expert Committee in the Department of Environment and Climate Change**

The Authority accepted to purchase the needed items mentioned in Agenda and instructed to follow the guidelines / procedures laid down in Government Orders / financial code provisions.

**Agenda Item No. 15 (4): General**

The Authority felt that most cases arise because of unaware state of the policies / provisions of the CRZ Notifications. Hence, workshop and awareness programme among the implementing departments / nodal agencies / public was strongly recommended. So, proposals for conducting awareness programmes and workshops may be sent by the Department of Environment & Climate Change to the Government for approval. The Authority has also accepted to meet out the expenditure for conducting workshop / awareness programme from State Coastal Zone Development fund, through reputed agencies under the guidance of Department of Environment & Climate Change.

**Sd./- xxxx**

**Thiru Deepak S. Bilgi, I.F.S.,  
Member Secretary, TNSCZMA &  
Director, Dept. of Environment &  
Climate Change,  
Chennai - 15.**

**Sd./- xxxx**

**Tmt. SupriyaSahu, I.A.S.,  
Chairperson, TNSCZMA and  
Addl. Chief Secretary to Government,  
Environment, Climate Change & Forests Dept.,  
Secretariat, Chennai-9.**