

# 115<sup>th</sup> MEETING

## TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 05.04.2022 (Tuesday)

Time: 11.00 AM

Venue:

Conference Hall, 9<sup>th</sup> Floor,  
Industries Department,  
Namakkal Kavignar Maaligai,  
Secretariat, Chennai - 600 009

## INDEX

Agenda No.	Description	Pg. No.
01	Confirmation of the minutes of the 114 <sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.12.2021	01
02	The action taken on the decisions of 114 <sup>th</sup> meeting of the Authority held on 27.12.2021	01
03	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.	03
04	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.	08
05	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)	12
06	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	15
07	India Asia Xpress (IAX) Submarine cable system landing at Santhome High Road, Basha Garden, Mylapore, Chennai, Tamilnadu by M/s. Reliance Jio Infocomm Limited, New Delhi	18
08	Proposed laying of submarine cable system spanning 8100 km 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	23
09	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	28
10	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	30
11	Construction of Shoreline Protection Structure (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 by the Executive Engineer, Anti Sea Erosion Division, Water Resource Department, Nagercoil	32

Agenda No.	Description	Pg. No.
12	Proposed construction of Shoreline Protection Structure (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	34
13	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	37
14	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 the Greater Chennai Corporation, Chennai	40
15	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) by CE, Project-II, TANGEDCO	44
16	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	46
17	CRZ Clearance issued for "Formation of new link road connecting Greenways Road (DGS Dinakaran Salai) with Durgabhai Deshmukh 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	47
18	Existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, Vilavancode Taluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, Vilavancode Taluk, Kanyakumari district	48
19	Existing Unit of M/s. Amali Ice Plant at S.No.130/1, Simon Colony Village, Kalkulam Taluk, Kanyakumari district proposed by Thiru A. Reslin, Proprietor, Amali Ice Plant, Simon Colony Village, Kalkulam Taluk, Kanyakumari district	51
20	Draft Report on All India Performance Audit on Conservation of Marine Ecosystem conducted by the o/o Accountant General (Audit-II), Chennai.	53
21	Any other subject with the permission of the Chair	54

THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

115<sup>th</sup> MEETING

Date: 05.04.2022 (Tuesday)  
Time: 11.00 AM

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Conference Hall, 9<sup>th</sup> Floor,  
Industries Department,  
Namakkal Kavignar Maaligai,  
Secretariat, Chennai - 600 009

**AGENDA ITEM NO.01:** Confirmation of the minutes of the 114<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.12.2021

The 114<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 27.12.2021 and the minutes were communicated to the Members of the Authority, vide this office letter No.P1/1950/2021 dated 04.01.2022.

**AGENDA ITEM NO.02:** The action taken on the decisions of 114<sup>th</sup> meeting of the Authority held on 27.12.2021.

Sl. No.	subject	Action taken
01	Construction of Fish Landing Centre and Shore Protection Works at Thazhanguda Village in Cuddalore district by Department of Fisheries, Chennai	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/1931/2021 dated 08.02.2022
02	Construction of Fish Landing Centre and Coastal Protection Works at Chinamedu Village, Tharangambadi Taluk, Mayiladuthurai district by Assistant Director of Fisheries and Fishermen Welfare, Nagapattinam (North), Sirkali	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2123/2021 dated 08.02.2022



<b>Sl. No.</b>	<b>subject</b>	<b>Action taken</b>
03	Proposed Construction of Muthamizh Arignar Dr. Kalaignar Memorial within existing Anna Memorial campus at Kamarajar Salai, 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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2462/2021 dated 06.01.2022
04	Construction of Extended Corridor - 4 of Chennai Metro Rail Project-Phase-II from Light House to Poonamallee Bypass by Chennai Metro Rail Limited, Chennai	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /2503/2021 dated 19.01.2022. The E,CC&F Dept., Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 1154/EC-3/2020-1 dated 14.02.2020.
05	Purchase of vehicle for Green Squad from the TNSCZMA funds	Proposal for issuing Government Orders was sent to Government, vide letter dated 04.02.2022. Orders awaited.

**AGENDA ITEM NO.03:** 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.

The Executive Engineer, Public Works Department (WRD), Araniyar Basin Division, Chepauk, Chennai has proposed to construct Training Walls in the Northern and Southern sides of Ennore Creek/Inlets (South side of M/s KPL Ltd.) and deepening the Kosasthalaiyar River mouth in Tiruvottiyur Taluk of Tiruvallur district at a total cost of Rs. 121.80 crores as per the schedule of rate for the year 2020-21. The proposed site is falling in CRZ-IB (Intertidal Zone) and CRZ - IVA.

**Description of the project**

The Kamarajar Port Limited (KPL Limited) is located at North Side of Ennore Creek (Kosasthalaiyar River Mouth) Kattuppali village, Vallur Post, Thiruvallur District. The Environmental Clearance for the Development of Terminals for Marine Liquids, Coal, Iron and containers in Second phase and associated capital Deepening at Ennore Port was accorded vide MoEF& CC, GoI letter No. 10-28/2015-IA-III, dated 19.05.2006 subject to the special condition that the Groynes and other suitable structures should be constructed to prevent the closing of the mouth of Ennore Creek.

The Project proponent has stated that as recommended by the NIOT, Pallikaranai, Chennai, the proposed length of Northern training wall is 500m and southern training wall is 400m and to extend the training walls up to (-) 5.00 m depth in sea.

The deepening activities will be involved in Ennore creek for a length of 2000 m from the river mouth to a depth of -2m with respect to MSL and total quantity of sediments estimated to be removed is 1.60 Million Cu. M (16,00,000 Cu.m) and it is proposed to remove 5,30,300 m<sup>3</sup> of sediments for a length of 550 m as Phase I with available fund. It will be disposed along shore to the South side of proposed southern training wall near Nettukuppam and Thazankuppam village for protection from Sea erosion. The remaining quantity of 10,69,700 Cu.m of sediments for a length of about 1450m would be removed as Phase II along with demolition and removal of Old dilapidated jetty and piers existing near Ennore Creek Mouth.

The proposed project Northern Training wall location falls within the CRZ-IB and CRZ-IV A (Bay of Bengal) and southern Training Wall location falls within the CRZ -IVA category. The proposed activity is permitted in CRZ- IB zone and in CRZ IVA as per CRZ Notification, 2011, vide para7(i) B & (iv) A of the said notification. The area between Low Tide Line and High Tide Line and CRZ-IV A- the water area from the Low Tide Line to twelve nautical miles on the seaward side.

**Coordinates of the project**

<u>Training Walls</u>	<u>Starting Point</u>	<u>Ending Point</u>
Northern Training Wall	13°14'7.5475"N 80°20'11.0497"E	13°14'7.9148"N 80°19'54.6221"E
Southern Training Wall	13°13'58.9445"N 80°20'6.0748"E	13°13'53.4149"N 80°19'54.1196"E

**EIA Report**

Water required during construction phase will be sourced through CMWSSB / local panchayat.

The Proponent stated that the construction site would be provided with sufficient and suitable toilet facilities (mobile toilet in construction site and septic tank in labour camp) for workers to maintain proper standards of hygiene.

At the site itself in addition to the careful planning and execution of the deepening actions, physical barriers can also be employed to prevent the spread of suspended sediments. These 'barriers' can be erected at or near the construction area and often consist of silt screens/curtains which control the dispersion of turbid water by diverting the flow under the curtain, thereby minimizing the turbidity in the upper layers of the water column outside the silt curtain.

The utilization of a bubble curtain is sometimes considered as an alternative to a silt screen. The upwelling of bubbles from the sea or riverbed to the surface prevents fine sediments from passing across.

- The light intensity should be reduced and light should be directionally controlled to reduce lighting towards the mud flat.



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- Identification of turbidity and noise thresholds to assess fish injury risks.
- Supervisory personnel need to perform routine inspection on the vessel.
- An oil spill containment kit would be made available to contain the oil pollution prior to clean.
- Incorporation of cumulative effects analysis into all project plans.
- No maintenance or servicing of engine will be allowed in the construction site.
- Regular water sprinkling shall be effected as required to minimize air born dust.
- Working front should be left at the end of the day without debris (Stones). Construction of Training walls in the Northern and Southern sides of Ennore Creek / Kosasthalaiyar River Mouth for the sustainable opening.
- Provide proper dust bin for food waste and other domestic solid waste generated by the on-site staff for disposal.
- The contractor should be provided with a dedicated yard on site for storage of stones.
- Increased use of landscape-scale planning concepts to plan for beneficial use projects most suitable to the area's landscape ecology and biotic community and food web relationships.
- Further analysis and synthesis of the spatial and temporal distribution of fish and shellfish spawning, rearing and migration behaviors. Such an analysis could improve the identification of potential environmental windows and further evaluate the applicability of accepted environmental windows based on best available science.
- The site-specific selection of deepening equipment and methods and operational procedures, can mitigate some of the negative direct effects. For example: use of a closed or sealed bucket clamshell dredge can be used to minimize the effects of increased turbidity and contaminated materials.

### **Green Belt Activities**

The green belt would be developed near the project location and the specified disposal sites. The plant provided for green belt activities viz., *Azadirachta indica* (Neem), *Ficus religiosa* (Arasamaram), *Thespesia Populnea* (Poovarasan), *Melia dubia* (Malai Vembu) and *Millettia Pinnata* (Pungai)

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

The CRZ classifications of the proposed activity are CRZ-IB (Intertidal Zone), CRZ-IVA. The total cost of the project is Rs.121.80 crores as per the schedule of rate for the year 2020-21.

**DCZMAs recommendations**

The DCZMA for Tiruvallur district has recommended the project to SCZMA in the meeting held on 13.08.2021. Further, the proposed project area are also covered the Chennai Metropolitan Development Area, which the subject was placed before the DCZMA for CMDA areas in their meeting held on 08.11.2021 and the DCZMA for CMDA areas has recommended 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. All other required permissions / NOC / Clearances from different statutory authorities should be obtained prior to commencement of work.
3. The Project Proponent shall ensure that the Environmental Safeguards and Social safeguards proposed and effectively implemented before the completion of the project.
4. The Project Proponent shall comply with the requirements of the wastes generated to scientifically dispose them as per the Solid Waste Management Rules, 2016, Hazardous Waste Management Rules, 2016, Construction and Demolition Waste, 2016 and Plastic Waste Management Rules, 2016 during the construction phase and the operation phase.
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 monitor the environmental quality in respect of seawater as per MoEF& CC guidelines during the construction and operational phases of the implementation.
9. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
10. 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.

11. Further, in O.A No. 04 of 2013 in the matter of O.Fernandes versus Union of India pending before Hon'ble NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF& CC, Govt. of India for approval and also to the Hon'ble NGT (SZ) and are awaited. Further the Hon'ble NGT (SZ) has issued orders in Original Application No 4 of 2013 on 4th September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal. Hence this approval is subject to the final outcome of the order of Hon'ble NGT (SZ) in Original Application No 4 of 2013.

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

As per the CRZ Notification, 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 3(iv) (c), maintenance or clearing of waterways, channels and ports, based on EIA studies are permissible activities. Further vide Para 4 (i) (a) of the said Notification, 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), erosion control measures are also permissible activities.

However, there is no specific provision to Clear such project by the SCZMA under Para 8 (i) IV CRZ (IV) of the CRZ Notification, 2011 and requires Clearance from MoEF & CC, Govt. of India.

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

**AGENDA ITEM NO.04:** **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.**

The Executive Engineer, PWD, WRD, Araniyar Basin Division, Chepauk, Chennai has proposed to 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

**Description of the project**

M/s. Chennai Rivers Restoration Trust (CRRT) had obtained CRZ Clearance for Integrated Cooum River Eco-restoration Project from Ministry of Environment, Forests and Climate change vide F. No. 11-15/2016-IA-III, dt: 28.05.2017. It was observed by PWD/WRD that the bed levels of Cooum River have already been below the mean sea level. Hence, the CRRT requested TNUIFSL to appoint academic/research institute to provide a sustainable solution for the Cooum river mouth opening.

As part of the Integrated Cooum River Eco-restoration Project in CRZ area, NIOT had recommended for 'Construction of Curved Training Walls (Groynes) on the Northern and Southern sides of Cooum River mouth and associated activities for Sustainable opening of Cooum River Mouth.

The proposed project involves in construction of curved training walls with capital dredging for distance of about 700 m proposed from Cooum regulator point (LS 0 m) near river mouth to Napier bridge D/s (LS 412 m) and from Cooum Regulator point (LS 0 m) near river mouth towards sea for about 250m (LS 0m to -250 m) and up to -2.00 m water depth.

Further, it is reported that the capital dredging is estimated to be about 305000m<sup>3</sup> based on field surveys conducted. The dredged material of about 305000m<sup>3</sup> will be disposed in following locations:

- Near Cooum River Mouth, Triplicane Village in Mylapore Taluk of Chennai District.
- Srinivasapuram area in Triplicane Village of Mylapore Taluk in Chennai District.

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- Northern side of Royapuram Fishing Harbour area in Thiruvottiyur Taluk of Chennai District.
- Akkarai Village in Sholinganallur Taluk of Chennai District

The Project Proponent has stated that the proposed project is only for sustainable opening of Cooum river mouth to restore the degraded Cooum River and protect and provide a clean environment to the Urban Community.

The Northern Training wall extends up to 155 m from (-) 3.5 m CD to 0.00m CD and additional extension towards the existing training wall made it to a total length of 265 m. The Southern Training wall extends up to 165 m from (-) 3.5 m CD to 0.00 m CD and additional extension towards the existing training wall made it to a total length of 310 m. The Northern and Southern training wall intersect each other at 140° and Toe-Toe spacing of 63 m to facilitate flushing and high discharge during floods.

#### **CRZ Classification & total project cost**

The proposed Northern Training walls falls under CRZ-IB, CRZ-II and CRZ-IVA and proposed Southern Training wall falls under the zones of CRZ-IA, CRZ-IB and CRZ-IVA areas and the total cost of the project is Rs.70 Crores.

#### **DCZMA recommendation**

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. All other required permissions / NOC / Clearances from different statutory authorities should be obtained prior to commencement of work.
3. The Project Proponent shall ensure that the Environmental Safeguards and Social safeguards proposed and effectively implemented before the completion of the project.

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4. The Project Proponent shall comply with the requirements of the wastes generated to scientifically dispose them as per the Solid Waste Management Rules, 2016, Hazardous Waste Management Rules, 2016, Construction and Demolition Waste, 2016 and Plastic Waste Management Rules, 2016 during the construction phase and the operation phase.
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 monitor the environmental quality in respect of seawater as per MoEF& CC guidelines during the construction and operational phases of the implementation.
9. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
10. 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.
11. The plastic bags / bottles and other materials which are removed during cleaning of the mouth area should be safely disposed as per the existing rules.
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. Further, in O.A No. 04 of 2013 in the matter of O.Fernandes versus Union of India pending before Hon'ble NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF& CC, Govt. of India for approval and also to the Hon'ble NGT (SZ) and are

awaited. Further the Hon'ble NGT (SZ) has issued orders in Original Application No 4 of 2013 on 4th September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal. Hence this approval is subject to the final outcome of the order of Hon'ble NGT (SZ) in Original Application No 4 of 2013.

The Project Proponent has submitted the response w.r. to the above conditions, vide letter dated 25.01.2022.

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification, 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 3(iv) (c), maintenance or clearing of waterways, channels and ports, based on EIA studies, 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.

However, there is no specific provision to Clear such project by the SCZMA under Para 8 (i) IV CRZ (IV) of the CRZ Notification, 2011 and requires Clearance from MoEF & CC, Govt. of India.

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

**AGENDA ITEM NO.05: 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)**

The Superintending Engineer, Buildings Department, Greater Chennai Corporation has proposed for Development of Fish Market at S.No.7581, Block No. 48, Mylapore Village, Mylapore Taluk, Chennai district. The proposed site is falling in CRZ-II and the landward side of the existing road and hence the project seeks for CRZ clearance.

This proposal was placed in the 113<sup>th</sup> SCZMA Meeting held on 27.10.2021 and the Authority resolved to request the Project Proponent to submit a fresh proposal to DCZMA for the following reasons:

- a) The Project Proponent has mentioned that the total project cost is Rs. 9.97 crores and 366 permanent shops are to be put up but the proposal recommended by DCZMA mentions only 300 temporary shops at a cost of Rs. 75 lakhs. Hence the whole project is changed and is not as per DCZMA recommendation.
- b) The Project Proponent should revise the proposal since it is mentioned that only 8 toilets would be built for 366 shops which would create congestion and allow public to forcefully use the beach for nature call.
- c) The structures proposed should be ecofriendly structure instead of concrete, with ventilation as the number of shops are more in the complex.

**Description of the Revised Proposed Project**

The total land area is 8093 sq.m which includes 366 shops (4644.68 sqm) consists of permanent structure with tensile member truss and roof, parking area 2060 sq.m which provides space for 110 number of cars and 60 numbers of two wheelers and toilets consists of urinals (12 number & water) & closet (24 nos)

The Project Proponent has stated that they have proposed to construct 366 shops and each with a size of 2m x 1.5 m. About 5KLD of fresh water will be required during construction and it will be sourced through tanker supply and the flushing water will be connected to CMWSSB Sewer in the project area.



About 11090 kg/day of total solid waste will be generated and the same will be handed over to the corporation solid waste collection network system. The power requirement for the project is about 15KW and it will be sourced from TANDEGCO.

The Project Proponent has proposed to plant 50 native tree species along the boundary of the project site.

### **Recommendations of the DCZMA**

The DCZMA for CMDA areas has recommended the revised proposal to the SCZMA in the meeting held on 09.12.2021, with the following conditions.

- a) The project proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notifications, 2011 (amended time to time)
- b) There shall not be disposal of untreated waste water into the coastal area
- c) There should not be any processing activities in the Fish market
- d) All the solid waste shall be handled as per the Solid waste Management Rules, 2016
- e) Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011 on the landward side of the existing road
- f) The project shall adhere to the Construction and Demolition Waste Management Rules, 2018
- g) No ground water from Coastal regulation zone area shall be tapped for the project
- h) Oil spills if any shall be properly collected and disposed as per the Rules
- i) 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
- j) The proponent shall furnish the detailed proposal for handling of solid wastes
- k) The proponent shall provide Effluent treatment plant of 40 KLD capacity as proposed for the treatment of waste water generated from the fish cleaning activity and the treated trade effluent of 3 KLD shall be utilized for green belt and the remaining shall be transported through pipeline connected to CMWSSB sewer after obtaining necessary permission from CMWSSB
- l) The sewage generated shall be transported through pipeline connected to CMWSSB sewer after obtaining necessary permission from CMWSSB
- m) The proponent shall comply with the Environmental Management Plan both during construction and operation phases.

- n) Layout of the proposed constructions, showing the total number of shops, extent, area earmarked for the solid waste disposal, septic tank, storage of fresh water shall be furnished
- o) The project proponent to furnish the disposal method of the Tensile membrane truss and roof proposed to provided for 358 shops after its life time
- p) 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 under Green Tamil Nadu Mission in order to enhance the forest and tree cover in the State
- q) 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.

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

The proposed site is falling in CRZ-II and the landward side of the existing road. The proposed cost of the project is Rs.9.97 crores.

**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".

**AGENDA ITEM NO.06: 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**

M/s. Torrent Gas Private Limited, Karaikkal has proposed to lay Natural Gas Pipelines for the development of City Gas Distribution Network in the geographical area of Karaikkal and Nagapattinam district. The total length of pipeline is 42.39 km. Out of which, 22.35 km of the pipeline covers in Nagapattinam district. The pipeline traverse through the following two stretches in Nagapattinam district.

**Description of the project**

1. Pipeline starting from the following villages namely Thirumarugal, Thittacheri, Valamangalam and ending at the border of TR Pattinam (Karaikkal Region, Puducherry UT) - 7.90 kms. - **No CRZ area crossing.**
2. Pipeline starting from the following villages namely Mela Vanjiyur, Nagore, Palpannacheri, Jaganathapuram, Puthur and Poravacheri, Sikkal and ending at Azhiyur - 14.45 kms. - **CRZ area crossing 1.47 kms.**

Out of 22.35 km, 1.47 km of pipeline crossing in CRZ area i.e. Vettar and Land area as per the approved CZMP. The above 1.47 km falling in CRZ-IB, CRZ-II, CRZ-II (NDZ) and CRZ-IVB areas.

**Project features**

The Project Proponent has deliberated the features of the project as given below.

- a. To avoid corrosion, the pipe will be coated by 3-layer polyethylene (3LPE) and field weld joints will be coated by a special high strength Dirax Sleeves. Additionally, cathodic protection will be given to protect the coating and the pipe from corrosion.
- b. For safety awareness, pipeline warning sign marker will be installed at both side of river crossing.
- c. Valve Chamber will be installed at both side of river crossing to control / regulate the flow of gas. Vent valves will also be installed to remove the gas between two chambers.
- d. Regular Patrolling for the entire pipeline route will be carried out by O&M Team of M/s. Torrent Gas Pvt. Ltd.,

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- e. Pressure and Corrosion monitoring through Supervisory Control And Data Acquisition (SCADA) will be conducted by O&M Team of M/s. Torrent Gas Pvt. Ltd.,
- f. The laying of pipeline will be done by Horizontal Directional Drilling Method.
- g. A minimum of 2.50 metre depth will be followed from the waterbed level of the river.

### **DCZMA Minutes**

As instructed by the District Collector of Nagapattinam district, the team comprising officials from the DTCP, Fisheries Department, District Industries Centre and TNPCB have inspected the area falling under CRZ on 29.07.2021 and stated that no laying of pipeline work has been started in the CRZ area, in the Joint Inspection Report.

After the detailed discussion, the DCZMA of Nagapattinam district has recommended and forwarded the proposal to SCZMA, with the following conditions.

- a) There shall not be any blockage of river due to laying of pipeline, and free flow of water shall be maintained.
- b) The construction debris and other types of waste shall not be disposed off into the CRZ areas.
- c) M/s. Torrent Gas Private Limited shall provide necessary emergency safety measures in the CRZ area (pipeline route) to avoid River and Marine ecology damage to the environment.
- d) The pipeline shall be monitored regularly by the Unit and ensure that there shall not be leakage from the pipeline. In case of any such eventualities, the Unit shall immediately take the corrective measures.
- e) M/s. Torrent Gas Private Limited shall take up greenbelt development activities in consultation with the Forest Department.
- f) M/s Torrent Gas Private Limited shall not carry out the laying of pipelines without obtaining CRZ Clearance from the Competent Authority.

The Project Proponent has submitted the compliance report with reference to the above conditions, vide reference letter dated 19.11.2021.

**CRZ Classification of the area & total project cost**

The proposed site is falling in CRZ-IB, CRZ-II, CRZ-II (NDZ) and CRZ-IVB areas and total cost of the project is Rs.20 crores.

**Provisions in the CRZ Notification, 2011**

As per CRZ Notification 2011, vide Para 8 (i) I CRZ-I (i) (b), pipelines, conveying systems including transmission lines are permissible activities. Further, as per the Para 8 (i), III CRZ-III (A)(iii)(f) & (B)(iii) of the said Notification, the above activities are permissible activities. **However as per Para 4 (ii) (d), the above activities require clearance from the MoEF & CC, GoI.**

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

**AGENDA ITEM No. 07: India Asia Xpress (IAX) Submarine cable system landing at Santhome High Road, Basha Garden, Mylapore, Chennai, Tamil Nadu by M/s. Reliance Jio Infocomm Limited, New Delhi**

M/s. Reliance Jio infocomm Ltd, New Delhi has proposed "India Asia Xpress (IAX) Submarine cable system landing at Santhome High Road, Basha Garden, Mylapore, Chennai , Tamil Nadu.

**Description of the project**

The IAX is a sub-sea cable system in the Bay of Bengal and open seas linking the India and other Southeast Asian countries. The IAX Cable System consists of twelve cable landings in five countries with the main trunk from Tuas (Singapore) to Mumbai (India) and branches to Chennai, (India), Matara (Sri Lanka), Satun (Thailand), and Morib (Malaysia). Cable landing points at sea edge, BMH and cable route from landing point to BMH and from BMH towards cable landing station till 500 m from HTL will fall under CRZ area.

The total route length is estimated to approximately 499.32 Km. Under the project, a beach manhole measuring 3.6 m x 2 m x 2.1 m. will be developed for housing the cable at Santhome High Road, Basha Garden, Mylapore, Chennai, Tamil Nadu 600 004. Coordinates of the BMH site are 13° 1'24.5208"N and 80°16'42.8124"E. Cable from the beach manhole will be connected to the cable landing station located at 13° 1'3.198"N and 80°16'21.25"E in Leela information Technology Park MRC Nagar 1st Lane, MRC Nagar, Raja Annamalai Puram, Chennai, Tamil Nadu which is located at 1.09 km from the beach manhole.

The Project Proponent stated that the cable installation will not result in increase in concentration of suspended solids or increased turbidity. Cable will be laid on the sea bed freely without burial in deep sea i.e. where depth > 1000m. In the water where depth is less than 1000m, cable will be buried to depth of approx. 1m. Special equipment called Plough will be used for laying and burying the cable in depth of 20-1000m. Plough is burial machine wherein cable is laid and buried simultaneously by trenching supported by water jet action on sea bed and not by dredging. The water jet based burial does not allow much increase in turbidity in sea.

Further, the Project Proponent has stated that in the areas very close to the shore (depth less than 20m) cable is laid and buried by divers using water jets. Sediments will settle down before mixing with the water column. Also cable laying near shore (less than 20m depth area) will be done in one week time.

### **Environmental Impact Assessment Report**

The environmental consequences during the construction phase of the proposed submarine cable landing system are anticipated to be short-term, temporary and minor. Onshore construction procedures include excavation of a trench using standard construction equipment. All environmental conditions onshore and offshore that exist to construction are anticipated to return to pre-installation conditions with only minor, temporary impacts.

- During off-shore construction the main source of air pollution is from ship i.e., exhaust fumes from combustion of engines and the equipment used for the cable laying operations. The mitigation measures include, procure standard construction equipment and vehicles, Plan periodic maintenance schedule including engine tuning, filter cleaning, etc. for construction equipment and vehicle, Minimize idling time of fuel run heavy equipment by adequate planning of construction activity, Plan periodic maintenance schedules including engine tuning, filter cleaning etc. for vessels and comply with international standards for Air emissions
- The non-hazardous waste will be segregated and collected in a designated area within the ship or barge and will be brought on-shore for disposal
- Non-recyclable or re-usable non- hazardous waste will be transported to municipal landfills
- Appropriate facilities will be provided in the ships and barge for storage and handling of hazardous waste generated during the construction phase.
- The hazardous waste will be brought on shore and transported to authorized facilities for treatment or disposal.
- Cable laying will require use of dedicated cable lay vessels resulting in that invasive species may be unintentionally introduced into sea water due to discharge of blast water. The measures includes like marine vessels will be required to adhere to International Maritime organization (IMO) regulations on bilge and ballast water discharge in order to avoid unintentional introduction of non-native species to the marine environment.
- The laying of cables leads to seabed disturbance and associated impacts of damage, displacement or disturbance of flora and fauna. The measure includes, monitoring for the presence of marine mammals and turtles during marine activities, working with an appropriate environmental organization to develop notification process, minimizing the impact of lighting at the beach areas.

### **Classification of CRZ areas and total project cost**

The proposed activity is falling in CRZ-IA, IB, CRZ-IVA and CRZ-II areas and the total cost of the project is Rs.28 Crores.

### **DCZMA for CMDA areas recommendation**

The District Coastal Zone Management Authority for CMDA areas has resolved to recommend the proposal to TNSCZMA in its meeting held on 08.11.2021, with the following conditions.

1. The project proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
2. As the total suspended solid in the sea water column will be increased during operational phase of the project due to tunneling / drilling activity, an EIA shall be prepared on the turbidity simulations and adequate EMP shall be evolved to mitigate the adverse impact, if any.
3. Statutory Clearances, if any, from the competent authorities such as Telecom Department, Navy, Coast Guard, Maritime Board and other local/ State/ Central Authorities/ Security agencies etc., shall be obtained prior to the commencement of activities.
4. The proponent shall record the data on the status of faunal and floral communities after the completion of the project to assess the impact of the project on ecology of the area.
5. The Project Proponent should adhere the following.
  - i) Make operation only during the high tide in order to reduce siltation in the alignment area.
  - ii) The soil dredged from the sea bottom should be disposed in open sea where depth is more than 100m.
  - iii) The project proponent shall ensure that there should not be any spillage of oil and petroleum products from boats to be used for laying cable.
  - iv) The vessel which will be used for the project should strictly adhere with ballast water management system in order to avoid introduction of invasive alien species in the territorial water.
  - v) The operation of cable line should be made only during the day time as illumination from the vessels may attract photo taxis organisms such as cephalopods, exocoetes etc., from the marine environment and insects from terrestrial habitat, which may endangered their lives.



6. The project proponent shall ensure that NIOT, Chennai is associated as a third party observer in the cable laying system until its final completion. NIOT, Chennai shall give advice from time to time during the period and the project proponent shall take measures accordingly.
7. The project proponent shall earmark a special budget for marine protection measures and in particular for coral transplantation or coral plantation in the region along the cable route.
8. The project proponent shall take utmost care shall be taken while transferring and storage of construction material to project site so that the CRZ characteristics of the site / route is least disturbed.
9. The project proponent shall monitor noise levels regularly to check compliance with the standards
10. The excavated soil generated during the construction of BMH and cable laying process shall be reused for reinstatement.
11. Construction debris generated during the BMH construction shall be disposed off as per the Construction and Demolition Waste Management Rules, 2018.
12. The project proponent shall provide appropriate facilities in the ships and barge for storage and handling of hazardous waste generated during the construction phase which shall be managed as per MARPOL guidelines
13. The project proponent shall ensure that no anchoring impacts on seabed occurs due to vessel.
14. The project proponent shall take ensure that there is no discharge of waste or accidental discharge from the vessels.
15. Cable laying vessel shall comply with MARPOL guidelines.
16. The project proponent shall furnish the proposal for the final disposal of the cables laid after its life time.
17. All the solid waste shall be handled as per the Solid waste Management Rules 2016.
18. No construction activity shall be started / undertaken by the proponent until obtaining the CRZ clearance from the competent authority.
19. No ground water from Costal regulation zone area shall be tapped for the project.
20. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
21. The Project proponent 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.

Further, the Project Proponent has submitted the replies for the above conditions, vide their letter dated 12.01.2022

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification 2011, vide Para 4 (i) (a) clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities and as per Para 8 I CRZ-I (i) conveying systems including transmission lines; construction of trans harbour sea link are permissible activities even in CRZ-I (ecologically sensitive area). **However as per Para 4 (ii) (d), the activity requires clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.**

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

**AGENDA ITEM No. 08:** 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

M/s. NTT Communications India Network Services Pvt. Ltd., New Delhi has applied Clearance under the CRZ Notification, 2011 for the Myanmar/Malaysia India Singapore Transit (MIST) Submarine cable System landing at Near Block AP, Foreshore Estate Promenade Road, MRC Nagar, Chennai.

**Description of the Project**

The Myanmar/Malaysia India Singapore Transit (MIST) is an international submarine cable communication network. Cable will traverse undersea to connect India with other Asian countries i.e., Myanmar, Thailand, Malaysia and Singapore. Cable system will have a total length of 8,100 km.

The Project Proponent has stated that the proposed MIST cable system will provide secure reliable, robust, and affordable telecom facilities in Asia. The main trunk route is from Tuas (Singapore) to Mumbai (India). Cable landing points at sea edge, Beach Manhole (BMH) and cable route from landing point to BMH and from BMH towards cable landing station till 500 m from HTL will fall under CRZ area.

The total route length is estimated to approximately 523.5 Km. Under the project, a beach manhole measuring 3x3x4 m will be developed for housing the cable at Plot No.1, L.A.No.15/79, South Beach Road, Block No.94, Mylapore Village, Chennai district. Coordinates of the BMH site are 13° 1'23.40"N and 80°16'42.60"E. Cable from the beach manhole will be connected to the cable landing station located at 13° 1' 12.1"N and 80°16'08.7"E in South Beach Road, Block No.94, Mylapore Village, Chennai district, which is located at 1.03 km from the beach manhole.

The cable installation will not result in increase in concentration of suspended solids or increased turbidity. Cable will be laid on the sea bed freely without burial in deep sea i.e. where depth > 1000m. In the water where depth is less than 1000m, cable will be buried to depth of approx. 1m. Special equipment called Plough will be used for laying and burying the cable in depth of 20-1000m. Plough is burial machine wherein cable is laid and buried simultaneously by trenching supported by water jet action on sea bed and not by dredging. In the areas very close to the shore (depth less than 20m) cable is laid and buried by divers using water jets. Sediments will settle down before mixing with the water column. Also cable laying near shore (less than 20m depth area) will be done in one week time.

### **Environmental Impact Assessment Report**

The environmental consequences during the construction phase of the proposed submarine cable landing system are anticipated to be short-term, temporary and minor. Onshore construction procedures include excavation of a trench using standard construction equipment. All environmental conditions onshore and offshore that exist to construction are anticipated to return to pre-installation conditions with only minor, temporary impacts.

- During off-shore construction the main source of air pollution is from ship i.e., exhaust fumes from combustion of engines and the equipment used for the cable laying operations. The mitigation measures include, procure standard construction equipment and vehicles, Plan periodic maintenance schedule including engine tuning, filter cleaning, etc. for construction equipment and vehicle, Minimize idling time of fuel run heavy equipment by adequate planning of construction activity, Plan periodic maintenance schedules including engine tuning, filter cleaning etc. for vessels and comply with international standards for Air emissions
- The non-hazardous waste will be segregated and collected in a designated area within the ship or barge and will be brought on-shore for disposal
- Non-recyclable or re-usable non- hazardous waste will be transported to municipal landfills
- Appropriate facilities will be provided in the ships and barge for storage and handling of hazardous waste generated during the construction phase.
- The hazardous waste will be brought on shore and transported to authorized facilities for treatment or disposal.

- Cable laying will require use of dedicated cable lay vessels resulting in that invasive species may be unintentionally introduced into sea water due to discharge of blast water. The measures includes like marine vessels will be required to adhere to International Maritime organization (IMO) regulations on bilge and ballast water discharge in order to avoid unintentional introduction of non-native species to the marine environment.
- The laying of cables leads to seabed disturbance and associated impacts of damage, displacement or disturbance of flora and fauna. The measure includes, monitoring for the presence of marine mammals and turtles during marine activities, working with an appropriate environmental organization to develop notification process, minimizing the impact of lighting at the beach areas.

### **CRZ Classification and total project cost**

The proposed activity is falling in CRZ-IA, IB, CRZ-IVA and CRZ-II areas and the total cost of the project is Rs.23.80 Crores.

### **DCZMA for CMDA areas recommendation**

The District Coastal Zone Management Authority for CMDA areas has resolved to recommend the proposal to TNSCZMA in its meeting held on 08.11.2021, with the following conditions.

1. The project proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
2. As the total suspended solid in the sea water column will be increased during operational phase of the project due to tunneling / drilling activity, an EIA shall be prepared on the turbidity simulations and adequate EMP shall be evolved to mitigate the adverse impact, if any.
3. Statutory Clearances, if any, from the competent authorities such as Telecom Department, Navy, Coast Guard, Maritime Board and other local/ State/ Central Authorities/ Security agencies etc., shall be obtained prior to the commencement of activities.
4. The proponent shall record the data on the status of faunal and floral communities after the completion of the project to assess the impact of the project on ecology of the area.
5. The Project Proponent should adhere the following.
  - i) Make operation only during the high tide in order to reduce siltation in the alignment area.
  - ii) The soil dredged from the sea bottom should be disposed in open sea where depth is more than 100m.

- iii) The project proponent shall ensure that there should not be any spillage of oil and petroleum products from boats to be used for laying cable.
  - iv) The vessel which will be used for the project should strictly adhere with ballast water management system in order to avoid introduction of invasive alien species in the territorial water.
  - v) The operation of cable line should be made only during the day time as illumination from the vessels may attract photo taxis organisms such as cephalopods, exocoetes etc., from the marine environment and insects from terrestrial habitat, which may endanger their lives.
6. The project proponent shall ensure that NIOT, Chennai is associated as a third party observer in the cable laying system until its final completion. NIOT, Chennai shall give advice from time to time during the period and the project proponent shall take measures accordingly.
  7. The project proponent shall earmark a special budget for marine protection measures and in particular for coral transplantation or coral plantation in the region along the cable route.
  8. The project proponent shall take utmost care while transferring and storage of construction material to project site so that the CRZ characteristics of the site/ route is least disturbed.
  9. The project proponent shall monitor noise levels regularly to check compliance with the standards.
  10. The excavated soil generated during the construction of BMH and cable laying process shall be reused for reinstatement.
  11. Construction debris generated during the BMH construction shall be disposed off as per the Construction and Demolition Waste Management Rules, 2018.
  12. The project proponent shall provide appropriate facilities in the ships and barge for storage and handling of hazardous waste generated during the construction phase which shall be managed as per MARPOL guidelines
  13. The project proponent shall ensure that no anchoring impacts on seabed occur due to vessel.
  14. The project proponent shall ensure that there is no discharge of waste or accidental discharge from the vessels
  15. Cable laying vessel shall comply with MARPOL guidelines.
  16. The project proponent shall furnish the proposal for the final disposal of the cables laid after its life time.
  17. All the solid waste shall be handled as per the Solid waste Management Rules 2016.
  18. No construction activity shall be started / undertaken by the proponent until obtaining the CRZ clearance from the competent authority.

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19. No ground water from Coastal regulation zone area shall be tapped for the project.
20. The proponent shall comply with the Environmental Management Plan both during construction and operational phases.
21. The Project proponent 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.

Further, the Project Proponent has submitted the replies for the above conditions, vide their letter dated 12.01.2022

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification 2011, vide Para 4 (i) (a) clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities and as per Para 8 I CRZ-I (i) conveying systems including transmission lines; construction of trans harbour sea link are permissible activities even in CRZ-I (ecologically sensitive area). **However as per Para 4 (ii) (d), the activity requires clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.**

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

**AGENDA ITEM No. 09: 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.**

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 Melmidalam, Karungai Village, Killiyoor Taluk, Kanyakumari district.

**Need of the project**

Shoreline is dynamic in nature. Due to very rough sea in monsoon and the shortfall of littoral sediments from Kerala side, the peninsular part of Kanyakumari is undergoing severe erosion leading to damage to fishermen houses and boats.

The Melmidalam Village is situated next to Enayam at about 2 km southeast. The Village is similar to Enayam with an elevated land of about 4m above MSL and has rubble mounted seawall. There is a beach of about 15m width beyond the seawall at seaward side. Similar to the Enayam Village, the waves approaching the shore are overtapping the existing seawall. The high waves experienced seasonally affect the building close to the shoreline. To avoid the seawater entering the existing building along the shoreline temporary bunds made of sand are laid near the seawall at leeward side and proposed to have three groynes in Melmidalam Village.

**Project description**

The Project Proponent has proposed to construct 3 groynes for lengths of 104.8m, 86.6m & 98.6m respectively. The IIT Madras has prepared the design of the project, as detailed below.

- A groyne field consisting of 3 groynes G1, G2 and G3 of length 105.8m, 88.6m and 99.6m respectively with a spacing of 250m is proposed based on the field requirements.
- 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.9.36 crores.

### **DCZMA recommendation**

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

### **Remarks**

- Further, in Application No. 04 of 2013 in the matter of O. Fernandes versus Union of India pending before NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent Authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF & CC, Govt. of India and to the Hon'ble NGT (SZ) and awaiting for approval.
- Further, the Hon'ble NGT (SZ) has issued orders in Application 4 of 2013 on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal.

### **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.
- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.
- Hence, the proposal may be recommended to MoEF & CC, GoI, for approval.

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

**AGENDA ITEM No. 10 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.

Remarks

- Further, in Application No. 04 of 2013 in the matter of O. Fernandes versus Union of India pending before NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF & CC, Govt. of India and to the Hon'ble NGT (SZ) and awaiting for approval.
- Further, the Hon'ble NGT (SZ) has issued orders in Application 4 of 2013 on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal.

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.
- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.
- It is submitted that as per the Draft Shoreline Protection Management Plan submitted by IIT Madras (by Dr. V. Sundar) does not include this particular Village for construction of erosion control measures which may be noted.
- Hence, the proposal may be recommended to MoEF & CC, GoI, for approval.

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

**AGENDA ITEM No. 11 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 of 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 Kanyakumari district has recommended the project to SCZMA in the meeting held on 30.12.2021.

Remarks

- Further, in Application No. 04 of 2013 in the matter of O. Fernandes versus Union of India pending before NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF & CC, Govt. of India and to the Hon'ble NGT (SZ) and awaiting for approval.
- Further, the Hon'ble NGT (SZ) has issued orders in Application 4 of 2013 on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal.

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.
- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.
- It is submitted that as per the draft Shoreline Protection Management Plan submitted by IIT Madras (by Dr. V. Sundar) does not include this particular Village for construction of erosion control measures which may be noted.
- Hence, the proposal may be recommended to MoEF & CC, GoI, for approval.

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

**AGENDA ITEM No. 12** Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Periyarayagi 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 Periyarayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district.

**Need of the project**

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

### Remarks

- Further, in Application No. 04 of 2013 in the matter of O. Fernandes versus Union of India pending before NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF & CC, Govt. of India and to the Hon'ble NGT (SZ) and awaiting for approval.
- Further, the Hon'ble NGT (SZ) has issued orders in Application 4 of 2013 on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal.

### 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.

- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.
- It is submitted that as per the draft Shoreline Protection Management Plan submitted by IIT Madras (by Dr. V. Sundar) does not include this particular place for construction of erosion control measures which may be noted.
- Hence, the proposal may be recommended to MoEF & CC, GoI, for approval.

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



**AGENDA ITEM No. 13 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 Kanyakumari district has recommended the project to SCZMA in the meeting held on 30.12.2021.

### Remarks

- Further, in Application No. 04 of 2013 in the matter of O. Fernandes versus Union of India pending before NGT at Chennai, the Hon'ble NGT issued instructions to prepare a Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu especially with reference to erection of Groynes, sea walls and training walls etc., and hence the said works should be carried out on the approval of the said plan from the competent authority. The TNSCZMA has prepared Comprehensive Shoreline Protection Management Plan by engaging IIT, Madras and the copies of the said plan has been submitted to MoEF & CC, Govt. of India and to the Hon'ble NGT (SZ) and awaiting for approval.
- Further, the Hon'ble NGT (SZ) has issued orders in Application 4 of 2013 on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal.

### 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.

- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.
  - The Proponent has not mentioned the extent of erosion created by the existing groynes constructed during 2005.
  - It is not clear whether the length of the new groyne is 131.5 or it is an extension of the existing groyne.
  - Moreover, it is submitted that as per the draft Shoreline Protection Management Plan submitted by IIT Madras (by Dr. V. Sundar) does not include this particular village for construction of erosion control measures which may be noted.
  - Hence, the proposal may be recommended to MoEF & CC, GoI, for approval.
- The proposal is placed before the Authority for taking suitable decision.

**AGENDA ITEM No. 14**      **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.

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

**As per CRZ Notification 2011, vide Para 3 (v) (b), storm water 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.**

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

**AGENDA ITEM No. 15** 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

The TANGEDCO has proposed to establish a 2 x 660 MW (Stage-I) Supercritical Thermal Power Plant at Udangudi Village, Thoothukudi district. The Unit has obtained Environmental and CRZ Clearance for establishing the captive coal jetty and intake / outfall structures vide MoEF & CC, GoI letter F.No.11-48/2009-IA.III, dated 06.06.2011 and the validity of the same was extended by the MoEF & CC, GoI upto 05.06.2021, vide their letter F.No.11-48/2009-IA.III (pt.I), dated 15.05.2018.

2) Meanwhile the MoEF & CC, GoI issued amendments in respect of validity period of the prior Environmental Clearance, vide Notification, dated 18.01.2021, as below.

*"Notwithstanding anything contained in this Notification, the period from 01.04.2020 to 31.03.2021 shall not be considered for the purpose of calculation of the period of validity of prior Environmental Clearances granted under the provisions of this Notification in view of the outbreak of Corona Virus (Covid-19) and subsequent lockdown (total or partial) declared for its control, however all activities undertaken during this period in respect of Environmental Clearance granted shall be treated as valid".*

3) Hence, in view of the above amendment to the Notification the validity of the Environmental and CRZ Clearance already granted to the project is automatically extended upto 04.06.2022.

4) The TANGEDCO has applied to MoEF & CC, GoI for the exemption / clarification on the validity of the Environmental and CRZ Clearance obtained for the captive coal jetty and intake/outfall structures, since the works related to the captive coal jetty and intake/outfall structures are not completed and yet in progress and also since the EC validity for the main power plant got extended upto 13.10.2023. Accordingly, the MoEF & CC, GoI requested the Unit to get fresh ToR for processing the fresh Environmental and CRZ Clearance for the project.

5) Accordingly, the Project Proponent has submitted the application to MoEF & CC, GoI seeking fresh ToR for obtaining fresh EC & CRZ Clearance and the MoEF & CC, GoI issued ToR vide letter dated 15.12.2020. The Unit has submitted the application for extension of CRZ Clearance validity.



**6) The following are the main component of the Project and the present status are given below, as per DCZMA minutes**

1. Construction of Berth / Coal Jetty of capacity 15.33 MTPA with dimension of 555m X 25m and two jetty arms each with a dimension of 180m X 10m : 82% piling work completed.
2. Construction of Island Breakwater behind the Coal Jetty (Total length 915m) : 82% of work completed.
3. Construction of approach bridge / trestle to the coal jetty of total length 8.801 Km (offshore length: 7.91 km and onshore length: 0.891km): 87% of piling work completed.
4. Installation of two numbers of belt conveyor of each 0.555 km length and two number pipe conveyor system of each 8.801 km length : 30% of supports for pipe conveyor work completed : 30% of supports for pipe conveyor work completed.
5. Installation of two numbers of intake pipeline (2.68 km and 2.65 km) for drawing and conveying sea water to power plant (cooling purpose) and to desalination plant : 59 % of work completed
6. Installation of outfall pipeline for discharging cooling water outfall and brine reject from desalination plant: 8% of work completed.
7. Construction of Port landward facilities : 50% of work completed.

**Total cost of the project and CRZ Classification**

The total cost of the project Rs.1902.87 crores and the project is falling in CRZ-IA, CRZ-IB, CRZ-III, CRZ-IIIB and CRZ-IVA areas.

**DCZMA for Thoothukudi recommendation**

The DCZMA for Thoothukudi district has recommended the project to SCZMA for the extension of the validity of CRZ Clearance, in the minutes held on 25.02.2022

As per the CRZ Notification, 2011, Para 4 (ii) (d) laying of pipelines, conveying systems, transmission line is permissible activity and as per Para 4 (ii)(f), foreshore requiring facilities for transport of raw materials, facilities for intake of cooling water and outfall for discharge of treated wastewater or cooling water from thermal power plants, is permissible activity and the above activities require clearance from the Ministry of Environment, Forests and Climate Change, GoI.

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

**AGENDA ITEM No. 16 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**

The Superintending Engineer, Special Project Division, Greater Chennai Corporation has proposed for the "Creation of Leisure Cycle Track, Pedestrian Walkway & Tree Plantation along Buckingham Canal from Kasturibai Nagar MRTS to Thiruvanmiyur MRTS Stations" and applied for Clearance under the CRZ Notification, 2011, at a cost of Rs.20 crores.

2) The proposal was 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 resolved by the Authority Clearance under the CRZ Notification, 2011 have been issued to the Project Proponent with conditions among the other things that

*"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"*

3) Now, the Project Proponent stated the following

*"Before the project was conceptualized, the space was a dumping yard that was inaccessible unhygienic, and lacked safety and connectivity. Post interventions such as creation of public space and landscaping, it is now a safe urban cultural space. In addition to this GCC and NGOs have planted 35,000 plus native species without disturbing the natural environment. The ecosystem has improved and more birds are found nowadays in the area. This is purely eco-friendly project and not a commercial one, the GCC will not make any revenue out of this project"*

4) Further, the project proponent has requested that the GCC may be exempted from paying the 2% remit (i.e. Rs.40 lakhs) to EMAT, vide letter dated 02/03/2022.

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

**AGENDA ITEM No. 17 CRZ Clearance issued for "Formation of new link road connecting Greenways Road (DGS Dinakaran Salai) with Durgabhai Deshmukh 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**

The Divisional Engineer (H), CMDP Division-III, Highways Department, Chennai.25 has proposed for formation of new link road connecting Greenways Road (DGS Dinakaran Salai) with Durgabhai Deshmukh road through Tamil Nadu Music College in Mylapore Village and Mylapore Taluk, Chennai district and applied for Clearance under the CRZ Notification, 2011, at a cost of Rs.22.84 crores.

2) The proposal was 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 resolved to clear the proposal with some conditions among the other things that

*"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"*

3) The Project Proponent stated that the proposed project is spent from Government funds and requested exemption from remitting 2% on total project cost to EMAT as CER amount, vide letter dated 21.01.2022.

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

**AGENDA ITEM No. 18: Existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, Vilavancode Taluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, Vilavancode Taluk, Kanyakumari district**

The DCZMA for Kanyakumari district has forwarded the proposal for Clearance under the CRZ Notification, 2011 for the existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, Vilavancode Taluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, Vilavancode Taluk, Kanyakumari district.

2) In the minutes of the DCZMA (held on 18.08.2020), 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/2020-4 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 DCZMA for Kanyakumari district has recommended the proposal to SCZMA for considering the issue of CRZ Clearance under CRZ Notification, 2011 subject to the following conditions.

- a) The Unit shall comply with all the provisions of the CRZ Notification, 2011.
- b) The Unit shall not extract groundwater in CRZ area.
- c) The Unit shall ensure that the site proposed conform to the land use classification as per the DTCP permitted for the construction of Ice Plant.
- d) The Unit shall also provide retain wall facing the seafront as a safety measures to withstand any hazard due to entry of the sea water during any cyclones.
- e) The Unit shall obtain Consent to Establish of the TNPC Board under Water (P&CP), 1974 and Air (P&CP) Act, 1981.
- f) The Unit shall adhere to the safety regulation prescribed by the Director of Industrial Safety and Health for the handling of ammonia if any in the premises.
- g) The Project Proponent shall comply with the Solid Waste management Rules, 2016.
- h) The Project Proponent shall not use the banned use and throw plastic items notified vide G.O. Ms. No.84, E&F Department, GoTN dated 25.06.2018 in the area.

4) In this connection, it is submitted that 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 and hence the project proponent should obtain prior clearance under CRZ Notification 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 informed carryout works in the 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) Further, M/s. Madha Ice Plant has sent a representation along with a copy of NoC issued by Kollencode Town Panchayat on 08.01.1997, planning permission issued on 08.01.1997, Building permit dated 24.01.1997 from Town Panchayat, EB Connection dated 04.07.1997, certificate of Registration of the Unit as Ice Plant dated 16.06.1997 and requested Clearance under the CRZ Notification, 2011. Accordingly, the DCZMA of Kanyakumari district has requested to send the remarks of the DCZMA.

7) The DCZMA for Kanyakumari district has stated below in the 88<sup>th</sup> meeting of the DCZMA held on 23.02.2021.

"With respect to the remarks called by the SCZMA on the Unit of M/s. Matha Ice Plant, the DCZMA took note of the CRZ Notification, 1991 and the CZMP approval in 1996. The DCZMA has resolved that necessary guidance to be obtained from SCZMA on the subject, as the Unit has claimed that the Unit was established in 1997 and the local body has endorsed the Unit's claim. Further decision may be taken by the SCZMA on the Unit's claim".

8) In this connection, the following details are furnished.

a) The CRZ Notification, 1991 was issued by MoEF, GoI on 19.02.1991.

b) As per the guideline of the CRZ Notification, 1991, the Coastal Zone Management Plan for coastal area of Tamil Nadu was prepared and approved by the GoI on 27.09.1996.

- c) The MoEF, GoI have constituted the Tamil Nadu State Coastal Zone Management Authority for scrutinizing the proposal which requires CRZ Clearance on 26.11.1998 and the first meeting of the TNSCZMA was held only after constitution of the Authority.
- d) M/s. Matha Ice Plant has submitted a copy of the NoC issued by Kollencode Town Panchayat on 08.01.1997, planning permission issued on 08.01.1997, Building permit dated 24.01.1997 from Town Panchayat, EB Connection dated 04.07.1997, certificate of Registration of the Unit as Ice Plant dated 16.06.1997, which was prior to the TNSCZMA's first meeting.
- 8) The subject is placed before the Authority, for taking suitable decision.

**AGENDA ITEM No. 19: Existing Unit of M/s. Amali Ice Plant at S.No.130/1, Simon Colony Village, Kalkulam Taluk, Kanyakumari district proposed by Thiru A. Reslin, Proprietor, Amali Ice Plant, Simon Colony Village, Kalkulam Taluk, 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. Amali Ice Plant at S.No.130/1, Simon Colony Village, Kalkulam Taluk, Kanyakumari district proposed by Thiru A. Reslin, Proprietor, Amali Ice Plant, Simon Colony Village, Kalkulam Taluk, Kanyakumari district.

2) In the minutes of the DCZMA, 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/2020-2 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 DCZMA for Kanyakumari district has recommended the proposal to SCZMA for considering the issue of CRZ Clearance under CRZ Notification, 2011 subject to the following conditions.

- a) The Unit shall comply with all the provisions of the CRZ Notification, 2011.
- b) The Unit shall not extract groundwater in CRZ area.
- c) The Unit shall ensure that the site proposed conform to the land use classification as per the DTCP permitted for the construction of Ice Plant.
- d) The Unit shall also provide retain wall facing the seafront as a safety measures to withstand any hazard due to entry of the sea water during any cyclones.
- e) The Unit shall obtain Consent to Establish of the TNPC Board under Water (P&CP), 1974 and Air (P&CP) Act, 1981.
- f) The Unit shall adhere to the safety regulation prescribed by the Director of Industrial Safety and Health for the handling of ammonia if any in the premises.
- g) The Project Proponent shall comply with the Solid Waste management Rules, 2016.

h) The Project Proponent shall not use the banned use and throw plastic items notified vide G.O. Ms. No.84, E&F Department, GoTN dated 25.06.2018 in the area.

4) In this connection, it is submitted that 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 and hence the project proponent should obtain prior clearance under CRZ Notification 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 informed to carryout works in the 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) The President, Saimon Colony Village, Kanyakumari district has given permission for the construction of Ice Plant, vide letter No.912/89 dated 05.05.1989 in the name of Radhakrishnan Ice Plant and the truthiness of the permission also verified by the DCZMA. Subsequently, in 2004 the Ice Plant was taken over by M/s.Amali and was upgraded from 30 HP to 55 HP @ 200 bars/day from 100 bars/day. In 2006, the total bars production was increased from 200 to 400 bars/day by upgrading from 55 HP to 125 HP. By this time in 1991 and 2011 CRZ Notifications have been issued by GoI. However, the Project Proponent ought to have got the clearance in 2004, while upgrading or atleast in 2006 when the 2<sup>nd</sup> round of upgradation was done.

7) In this connection, the following details are furnished.

- a) The CRZ Notification, 1991 was issued by MoEF, GoI on 19.02.1991.
- b) As per the guideline of the CRZ Notification, 1991, the Coastal Zone Management Plan for coastal area of Tamil Nadu was prepared and approved by the GoI on 27.09.1996.
- c) The MoEF, GoI have constituted the Tamil Nadu State Coastal Zone Management Authority for scrutinizing the proposal which requires CRZ Clearance on 26.11.1998 and the first meeting of the TNSCZMA was held only after constitution of the Authority.

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



**AGENDA ITEM No. 20**

**Draft Report on All India Performance Audit on Conservation of Marine Ecosystem conducted by the o/o Accountant General (Audit-II), Chennai.**

A team from Accountant General has audited the files related to CRZ Clearance issued to the Projects from the Financial Year 2015-16 to 2019-20 from October 2020 to August 2021.

At the time of auditing, the official from the AG Audit have given Audit slips and replies for the Audit Slips were submitted to the Audit team.

After conducting the audit, the Accountant General (Audit-II), Chennai.18 has sent draft report on All India Performance Audit on Conservation of Marine Eco System relating to Environment Department, vide letter dated 01.11.2021 and one of the Audit Findings are given below.

**8.1.4. Improper delegation of powers to the Local Planning Authorities and DCZMAs,**

As per CRZ Notification 2011, constructions involving less than 20,000 Sq.m built up area in CRZ II shall be approved by the local planning authorities with the recommendations of concerned state CZMA. The Notification clearly stressed that recommendations of the concerned CZMA is mandatory for grant of clearance by the relevant planning authority.

It was observed that the Member Secretary, TNSCZMA vide Proc No. P1/443/2011, dt. 16.02.2012 had delegated the powers to grant approval / clearance for the above category of the projects to Chennai Metropolitan Authority (CMDA) and Greater Chennai Corporation (GCC) for areas falling in Chennai region and concerned DCZMA's in respect of other coastal districts.

Grant of clearance in respect of clearance by planning authorities without prior recommendations of CZMA is ultra-virus to the provisions of the CRZ Notification, 2011.

In reply, the department stated that the powers had been delegated to CMDA and to GCC as per Para 5(x) read with Para (c) of the provisions of the notification.

The departments reply is not acceptable as the provisions of the CRZ Notification 2011, quoted by the department did not confer any power or authority to delegate statutory duties and responsibilities of SCZMA specified in Para 4(i)(d) of CRZ Notification 2011 to local planning authorities and DCZMA's.

This agenda is placed before the Authority for discussion and give reply to AG.

**AGENDA ITEM No. 21** Any other subject with the permission of the Chair.

Sd./- xxxx  
Tmt. P. Rajeswari, I.F.S.,  
Member Secretary, TNSCZMA  
&  
Director, Dept. of Environment  
& Climate Change,  
Chennai - 15.

Sd./- xxxx  
Tmt. Supriya Sahu, I.A.S.,  
Chairperson, TNSCZMA and  
Addl. Chief Secretary to Government,  
Environment, Climate Change & Forests  
Dept., Secretariat, Chennai-9.

**MINUTES OF THE 115<sup>th</sup> MEETING OF THE TAMIL NADU STATE COASTAL ZONE  
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 05.04.2022**

The Chairperson welcomed the members of SCZMA, for the 115<sup>th</sup> meeting of the SCZMA.

**Agenda Item No.01:** Confirmation of the minutes of the 114<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.12.2021

The minutes of the 114<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.12.2021 communicated to the Members of the Authority in letter No. P1/1950/2021 dated 04.01.2022 of the Director of Environment, were confirmed.

**Agenda Item No.02:** The action taken on the decisions of 114<sup>th</sup> meetings of the Authority held on 27.12.2021.

The Member Secretary briefed the Members about the action being taken by the Department of Environment on the decisions taken during the 114<sup>th</sup> meetings held on 27.12.2021, which was noted by the members.

**AGENDA ITEM No.03:** 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.

**Project Cost: Rs. 121.80 crores**

The SCZMA has examined the recommendation of the DCZMA, Gummidipoondi received vide letter No. TNPCB/ DEE/GMP/F.DCZMA/2021 dated 25.08.2021 and DCZMA for CMDA areas, received vide letter No. DEE, TNPCB, Arumbakkam, Chennai in letter No. CRZ/ DEE/TNPCB/CHN/DCZMA-6/MOM/2021, dated 27.11.2021.

Provisions under CRZ, Notification -2011

As per the CRZ Notification, 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 3 (iv) (c), maintenance or clearing of waterways, channels and ports, based on EIA studies are permissible activities. Further vide Para 4 (i) (a) of the said Notification, 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), erosion control measures are also permissible activities.

The Authority noted that there is no provisions vide Para 8 (i) IV CRZ (IV) of the CRZ Notification, 2011 for clearing the proposal by the SCZMA, and decided to recommend the entire project activities to MoEF & CC, GOI, with the following conditions.

- The Authority suggested that the Project Proponent may examine and propose sustainable measures.
- After obtaining the Clearance from the MoEF & CC, GoI, the entire work will be monitored by the Expert Committee formed by the TNSCZMA, while commencing the work.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No.04: 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.**

**Project Cost: Rs. 70 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas, received vide letter No. DEE, TNPCB, Arumbakkam, Chennai in letter No.CRZ/DEE/TNPCB/CHN/DCZMA-7/MOM/2021, dated 27.11.2021.

Provisions under CRZ, Notification -2011

As per the CRZ Notification, 2011, vide Para 3 (iv) (b), measures for control of erosion, based on scientific including Environmental Impact Assessment, vide Para 3(iv) (c), maintenance or clearing of waterways, channels and ports, based on EIA studies are permissible activities. Further vide Para 4 (i) (a) of the said Notification, 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), erosion control measures are also permissible activities.

The Authority noted that there is no provisions vide Para 8 (i) IV CRZ (IV) of the CRZ Notification, 2011 for clearing the proposal by the SCZMA, and decided to recommend the entire project activities to MoEF & CC, GOI, with the following conditions.

- The Authority suggested that the Project Proponent may examine and propose sustainable measures.
- After obtaining the Clearance from the MoEF & CC, GoI, the entire work will be monitored by the Expert Committee formed by the TNSCZMA, while commencing the work.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No.05: 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)**

**Project Cost: Rs. 9.97 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas received from DEE, TNPCB, Chennai vide letter No. CRZ-28/DEE/TNPCB/CHN/DCZMA/2020, dated 21.11.2020 and CRZ/DEE/TNPCB/CHN/DCZMA/MOM/2021, dated 23.12.2021. The SCZMA also observed the replies w.r. to the details requested in the 113<sup>th</sup> meeting of TNSCZMA held on 27.10.2021 & 01.11.2021.

**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., Chennai Metropolitan Development Authority as per the provisions of the Para 4 (i) (d) of the CRZ Notification, 2011, with the following conditions.

- The Authority has suggested the Proponent should make a beautiful and role model fish market.
- The tensile roofing of the shops should be made in uniform color like white.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No.06: 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**

**Project Cost: Rs. 20 crores**

The SCZMA has examined the recommendation of the DCZMA for Nagapattinam district, received vide letter No. DEE/TNPCB/NPM/CRZ/2021 dated 04.08.2021.

The Project Proponent stated in the meeting that 8" dia pipeline will be laid with 10 meters below the river bed.

**Provisions in the CRZ Notification, 2011**

As per CRZ Notification 2011, vide Para 8 (i) I CRZ-I (i) (b), pipelines, conveying systems including transmission lines are permissible activities. Further, as per the Para 8 (i), III CRZ-III (A) (iii) (f) & (B) (iii) of the said Notification, the above activities are permissible activities. **However as per Para 4 (ii) (d), the above activities require clearance from the MoEF & CC, GoI.**

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

- The Project Proponent should undertake the green belt activities in consultation with the Forest Department.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No. 07:** India Asia Xpress (IAX) Submarine cable system landing at Santhome High Road, Basha Garden, Mylapore, Chennai, Tamil Nadu by M/s. Reliance Jio Infocomm Limited, New Delhi

**Project Cost: Rs. 28 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas, received vide DEE, TNPCB, Arumbakkam, Chennai in letter No. CRZ/DEE/TNPCB/CHN/DCZMA-8/MOM/2021, dated 27.11.2021

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification 2011, vide Para 4 (i) (a) clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities and as per Para 8 I CRZ-I (i) conveying systems including transmission lines; construction of trans harbor sea link are permissible activities even in CRZ-I (ecologically sensitive area). **However as per Para 4 (ii) (d), the activity requires clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.**

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

- 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.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No. 08:** 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

**Project Cost: Rs. 23.80 crores**

The SCZMA has examined the recommendation of the DCZMA for CMDA areas, received vide DEE, TNPCB, Arumbakkam, Chennai in letter No. CRZ/DEE/TNPCB/CHN/DCZMA-3/MOM/2021, dated 27.11.2021

**Provisions in the CRZ Notification, 2011**

As per the CRZ Notification 2011, vide Para 4 (i) (a) clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities and as per Para 8 I CRZ-I (i) conveying systems including transmission lines; construction of trans harbor sea link are permissible activities even in CRZ-I (ecologically sensitive area). **However as per Para 4 (ii) (d), the activity requires clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.**

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

- 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.
- The conditions laid by the DCZMAs should be followed.

**AGENDA ITEM No. 09:** 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.

**Project Cost: Rs. 9.36 crores**



The SCZMA has examined the recommendation of the DCZMA for Kanyakumari district, received vide DEE, TNPCB, Nagercoil in letter No.F.CRZ-09(332)/21, dated 03.01.2022.

**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.
- However, in Application No. 04 of 2013, the Hon'ble NGT (SZ) has issued orders on 4<sup>th</sup> September 2015 that the PWD or any other agency shall not proceed with any work either by putting up sea wall or groyne until further orders from the Tribunal and the stay orders is continued.

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

- The WRD should be made to study with other states / countries on what are the structures used by them for erosion control measures.
- The Authority directed the Proponent to prepare a five-year perspective plan in total with details on the areas where there is erosion and the probable solutions including the green structures should be incorporated and prepared through any National / reputed institutions.

**AGENDA ITEM No. 10**      **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.**

**Project Cost: Rs. 8.12 crores**

**AGENDA ITEM No. 11** 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

**Project Cost: Rs. 9.38 crores**

**AGENDA ITEM No. 12** 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

**Project Cost: Rs. 6.94 crores**

**AGENDA ITEM No. 13** 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

**Project Cost: Rs. 11.02 crores**

As per the draft Shoreline Protection Management Plan submitted by the IIT Madras, the above Villages mentioned in Agenda 10 to 13 were not included for the construction of erosion control measures. Hence, the Authority has not accepted and resolved to return the proposal pertaining to Agenda 10 to 13, to DCZMA, Kanyakumari district.

**AGENDA ITEM No. 14** 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 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.

**AGENDA ITEM No. 15** 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

**Project Cost: Rs. 1902.87 crores**

The SCZMA has examined the recommendation of the DCZMA for Thoothukudi district, received vide DEE, TNPCB, Thoothukudi in letter No.DEE/TTN/Tech-40/CRZ/73/2020, dated 03.03.2022.

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

- i) Separate Environment Management Cell (EMC) should be formed for monitoring the impact of the environment.

**AGENDA ITEM No. 16** 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

**Project Cost: Rs.20 crores**

The Authority accepted the prayer of the Project Proponent and exempted from paying the 2% (i.e. Rs.40 lakhs) to EMAT for CER activities.

**AGENDA ITEM No. 17** CRZ Clearance issued for "Formation of new link road connecting Greenways Road (DGS Dinakaran Salai) with Durgabhai Deshmukh 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

**Project Cost: Rs.22.84 crores**

The Authority accepted the prayer of the Project Proponent and exempted from paying the 2% (i.e. Rs.46 lakhs) to EMAT for CER activities.

**AGENDA ITEM No. 18:** Existing Unit of M/s. Matha Ice Plant at S.No.579/2, Kollencode Village, Vilavancode Taluk, Kanyakumari district proposed by Thiru Benedict Johnson, Matha Ice Plant, Kollencode Village, Vilavancode Taluk, Kanyakumari district

**AGENDA ITEM No. 19:** Existing Unit of M/s. Amali Ice Plant at S.No.130/1, Simon Colony Village, Kalkulam Taluk, Kanyakumari district proposed by Thiru A. Reslin, Proprietor, Amali Ice Plant, Simon Colony Village, Kalkulam Taluk, Kanyakumari district

As the post facto clearance provisions are not available in the CRZ Notification, 2011, the Authority decided to return the proposal to the DCZMA.

**AGENDA ITEM No. 20** Draft Report on All India Performance Audit on Conservation of Marine Ecosystem conducted by the o/o Accountant General (Audit-II), Chennai.

The Authority decided to take up the issue in a separate meeting or can be circulated among members.

**AGENDA ITEM No. 21** : General

- The Chairperson felt that the NCSCM should make a data for easy identification of the present groynes and the same may be marked in the draft CZMP prepared as per the CRZ Notification, 2019.
- The Comprehensive study may be prepared on the impact of existing erosion control measures with the help of the NCSCM.

- The Chairperson directed the Member-Secretary to write a letter to WRD / Fisheries / concerned Departments to study various erosion control measures in other States / other Countries before proposing construction of erosion control measures.

**Sd./- xxxx**

**Tmt. P. Rajeswari, I.F.S.,  
Member Secretary, TNSCZMA  
& Director, Dept. of  
Environment & Climate Change,  
Chennai - 15.**

**Sd./- xxxx**

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