

112th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 21.01.2021

Time: 11.00 A.M

Venue:

PWD Conference Hall, 5th floor,
Namakkal Kavignar Maaligai,
Secretariat, Chennai - 600 009

INDEX

Agenda No.	Description	Pg. No.
01	Confirmation of the minutes of the 111 th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021	01
02	The action taken on the decisions of 111 th meeting of the Authority held on 13.01.2021	01
03	Proposed project of setting up of 60 MLD Desalination Plant at S.F.No.94/2, Koonimedu Village, Marakkanam Taluk, Villupuram district by TWAD Board, Kallakurichi	02
04	Proposed construction of Sailors Academy, Cooum sea confluence Area, Marina Beach, Chennai - A Training Institute for sailors and water sports located at R.S. No.3372/1, Triplicane Village, Mylapore-Triplicane Taluk, Chennai district by the Principal Secretary / Member-Secretary, Sports Development Authority of Tamil Nadu	05
05	Proposed construction of Groynes (to avoid erosion within basin thereby serves as mini harbour for safe berthing of small crafts and vessels apart from effective coastal protection) at Alanthalai Village, Tiruchendur Taluk, Thoothukudi district by the Executive Engineer, PWD / WRD, Korampallam Aru Basin Division, Thoothukudi.	08
06	Requested amendment in the existing CRZ Clearance for the storage of Naptha (Class-A Petroleum product) at S.F.No.394, VOC Port Area 5B, Mullakadu Village, Thoothukudi Taluk, Thoothukudi district by M/s. Greenstar Fertilizers Ltd., Chennai.	10
07	Proposed construction of Groynes and Landing facilities to prevent further erosion at Fish Landing Centre at Periyathalai Village in Thoothukudi district by Asst. Director of Fisheries, Thoothukudi	11
08	Any other subject with the permission of the Chair.	12

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Time: 11.00 A.M.

Venue:

**PWD Conference Hall, 5th Floor,
Namakkal Kavignar Maaligai, Secretariat,
Chennai - 600 009**

Agenda Item No.01: Confirmation of the minutes of the 111th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021.

The 111th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 13.01.2021 and the minutes were communicated in letter No.P1/2200/2018 dated 19.01.2021(copy enclosed) of Director of Environment. It may be confirmed.

Agenda Item No.02: The action taken on the decisions of 111th meeting of the Authority held on 13.01.2021

The action is being taken to the concerned proposals, based on the decisions of the TNSCZMA in the 111th meeting held on 13.01.2021.

Agenda Item No.03

Proposed project of setting up of 60 MLD Desalination Plant at S.F.No.94/2, Koonimedu Village, Marakkanam Taluk, Villupuram district by TWAD Board, Kallakurichi

The District Environmental Engineer, TNPCB, Villupuram district has forwarded a proposal received from the Executive Engineer, Tamil Nadu Water Supply and Drainage (TWAD) Board, Kallakurichi for the proposed project of setting up of 60 MLD Desalination Plant at S.F.No.94/2, Koonimedu Village, Marakkanam Taluk, Villupuram district. The latitude is 12°05'33.34" and the longitude is 79°54'05".

2) The Project Proponent has presented before the DCZMA about the salient features of the project and the importance of the project as drinking water source for the local bodies of Villupuram District and has proposed to supply water for the proposed SIPCOT, Tindivanam and for the existing Government Medical College, Villupuram and the DCZMA for Villupuram district has recommended the proposal.

3) It is ascertained in the minutes of the DCZMA, the District Collector, Villupuram stated that the necessary compliance for the process of the settlement of forest rights, as per Forest Rights Act, 2006 has been completed.

4) Further, it is ascertained that the project location of SF No.94/2, Koonimedu Village, Marakkanam Taluk, Villupuram district which was earlier as part of 'Green Plantation and Fishermen settlement' as per the CRZ land use map, 2011. Subsequently, the Regional Office of MoEF, Chennai has issued Stage-I approval in principal on 24.12.2020 for diversion of 16 Hactares of Forest area as 'Non-Forest Use' purposes so as to establish the present project of 60 MLD desalination plant in this location. Hence, the DCZMA observed that the location is free from 'Green plantation and Fishermen Settlement' on records.

5) The Project Proponent has stated that the proposed location for the desalination plant in forest land where forest has grown trees of 2093 number and the District Collector has given alternate land of 21.41.5 Ha at Kattalai Village and 11.05.5 Ha Karattai Village to the forest Department, for transplantation the trees.

6) As per the HTL Demarcation map, the main plant majorly falls under CRZ-IA, South East Corner of the plant falling in CRZ-III (No Development Zone) and South West Corner pathway falling in CRZ-III (200m to 500m). The intake and outfall points are originated from the plant is in CRZ-IA and the pipeline passes through CRZ-III, CRZ-IB and CRZ-IVA.

7) The proposed plant of 60 MLD Capacity of the plant will have an intake flow of 175 MLD with TDS 35,000 mg/l generating 115 MLD of brine reject. The location of intake / outfall is 12°5' 27"N, 79°54' 28"E / 12°05' 42" N, 79°54' 35"E. The Project Proponent has furnished the modelling study for the purpose to forecast the anticipated ambient salinity at 71m from the diffuse at the outfall structure. The complete study report with software output has been provided in the report.

8) The Proponent also stated that the 2 KLD sewage generated will be treated through the package type STP and the treated sewage will be used for the plantation in the greenbelt area. The proposed plant is expected to generate 2T/day of organic sea debris from the intake screen and it will be composted with community food waste under the CSR Program.

9) Several representations / objections received from the local communities on the proposed project has been forwarded to the DCZMA, for taking into consideration. The Project Proponent has informed that a stakeholder consultation meeting was held on 04.09.2019 and submitted the details of the stakeholder consultation along with issues raised and the response of the Proponent.

10) The Project Proponent has submitted the details of the coastal sand dunes flora and faunal details based on the information gathered from the local inquires.

11) The proposed project is falling in CRZ-IA (1,56,599.43 sq.m), CRZ-III (NDZ) (351.25 sq.m) and CRZ-III (3049.32 sq.m). The total cost of the project is Rs.614.62 crores.

12) The DCZMA for Villupuram district has recommended the project to SCZMA, subject to the following conditions.

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1. The Project Proponent shall obtain necessary clearance from the line departments such as building approval, Consent to Establish and the Consent to Operate from the State Pollution Control Board in time.
2. The Project Proponent shall ensure that the Environmental Safeguards and Social safeguards proposed and effectively implemented before the completion of the project.
3. 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.
4. The Project Proponent shall provide suitable environmental safeguard measures for intake and outfall system to ensure the marine aquatic systems and protected to the major extent and the excess salinity difference with respect to the desalination plant rejects to the marine outfall which shall reach the ambient salinity as desired within 100 meters to ensure the marine eco system is safe.
5. The Proponent shall ensure proper quality of scientific dredging to minimize the impact during the laying of the pipelines for intake and outfall structures.
6. 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.

13) As per CRZ Notification 2011, vide para 4 (i) (a), para 8 (i) I CRZ I (i) (b) and 8 II CRZ II (v), the above activities are permissible activities. However, the project requires Clearance from the MoEF & CC, Govt. of India, vide para 4 (ii) (h) of CRZ Notification 2011.

14) The Authority may consider.

Agenda Item No.04 Proposed construction of Sailors Academy, Cooum sea confluence Area, Marina Beach, Chennai - A Training Institute for sailors and water sports located at R.S. No.3372/1, Triplicane Village, Mylapore-Triplicane Taluk, Chennai district by the Principal Secretary / Member-Secretary, Sports Development Authority of Tamil Nadu

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

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

3) The purpose of the proposed development and facility is to provide training to youth to become professional sailors with competency in the world class environment and the Project Proponent has proposed to construct the following constructions.

Academy Complex Building

The Project Proponent has proposed to construct Academic Complex with a plinth area of 1250m² for adequate sailors' facilities. In Ground Floor, the sports training room, video library room, Reception & Lobby, Coacher/Trainers Room, Toilet Block, Office room with facilities of 3 cabns, Boat Shed and Tool Shed room etc., will be constructed. Open Class rooms, Yoga room, Gymnasium, Sports Science Training Room, Reception & Lobby will be constructed in first floor of the Academy complex building. Further, they proposed to construct Sailors changing room, Fitness room, 6 Nos. of class rooms for trainers, sailors and sport women separately of the said building.

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The Project Proponent has also stated that the utility services such as firefighting, proper lighting & electricity, first aid facilities will be also provided for students' / sailors safety.

RCC Ramp

A seafront Ramp is proposed as sailing facility to facilitate the negotiation of boats/ yachts sailing into sea. The size of the ramp will be 55m length and 5m wide. Top level of the ramp on the land side and sea side is (+) 1.8m CD and (-) 1.0m CD respectively with slope of 1 in 25. The proposed RCC ramp will be concrete deck supported on the concrete pile for 75m length at appropriate spacing.

Approach Platform

An approach platform / road is proposed from Academy complex building to RCC ramp for shifting of boats. The length of the approach platform will be 168m length and 7m wide. The approach platform shall be constructed with paver blocks. It is proposed to provide connectivity to RCC ramp for approach / maneuvering. Approach platform will be laid over the compacted crushed stones and 87m length & 7m wide mobile platform movable / removable platform will be constructed as wooden or rubber platform.

The Project Proponent has furnished the details of the marine life nearby the proposed project area. Further, disposal plan of the solid waste generated and treatment Plant for Sewage generated were also provided by the Project Proponent.

The water will be sourced from the existing supply line of the metro water @ 50KLD for consumption and primary requirement. The swimming pool would require 200 KLD of water and it will be reused through advanced treatment plant incorporated with ultrafiltration.

4) The site is falling in CRZ-IA (Ecologically Sensitive Area), CRZ-II and CRZ-IVA area and the proposed cost of the project is Rs.7 crores.

5) The DCZMA for CMDA area has recommended the project to SCZMA in its meeting held on 05.11.2020, with the following conditions.

- a) As per the CRZ Notification, 2011 vide Para 4(i)(a), waterfront and foreshore facilities which are very essential and integral to the proposed training activity only should be established and other subsidiary facilities shall be shifted outside CRZ area.

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- b) The design of ramps proposed to be constructed should be furnished in conformity with the dimension mentioned in the EIA report.
 - c) The possibility of constructing the connecting the connecting platform, without touching the CRZ-I - Ecologically Sensitive Area should be explored instead of constructing the paver blocks.
 - d) Swimming Pool should be used only for training the sailors and should not be used for any commercial / entertainment activity.
 - e) The possibility of shifting the Kitchen and Cafeteria outside CRZ area should be explored.
 - f) The lodging facilities shall be sifted in Non-CRZ area.
 - g) The Project Proponent shall undertake the constructions only after getting the required Clearances from the Competent Authorities such as Planning Permission, Plan Approval etc.,
 - h) The Project Proponent shall not draw any groundwater in CRZ area, under any circumstances.
 - i) No excavated material during the construction shall be dumped in water bodies or adjacent areas.
 - j) No construction activity shall be started / undertaken by the proponent before obtaining prior CRZ Clearance from the competent authority.
- 6) The Project Proponent has submitted the replies for the above conditions, vide letter dated 11.01.2021.

7) As per the CRZ Notification, 2011, Para 4(i)(a), Clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities; However, vide para 3 (ix) and (xiii) of the said Notification, reclamation, altering the hills, landscape changes for beatification, recreations and entertainment activities are prohibited activities. Further, Para 8 (i) II CRZ-II, (i) buildings shall be permitted only on the land ward side of the existing road, or on the landward side of existing authorized structures and Para 8 (i) II CRZ-II, (ii) buildings permitted on the landward side of the existing authorised structures shall be subject to the existing local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio, which shall be as per 1991 level.

8) Further, the project requires Clearance from MoEF & CC, Govt. of India.

9) The Authority may consider.

Agenda Item No.05

Proposed construction of Groynes (to avoid erosion within basin thereby serves as mini harbour for safe berthing of small crafts and vessels apart from effective coastal protection) at Alanthalai Village, Tiruchendur Taluk, Thoothukudi district by the Executive Engineer, PWD / WRD, Korampallam Aru Basin Division, Thoothukudi.

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal received from the Executive Engineer, PWD/WRD, Korampallam Aru Basin Division, Thoothukudi for the construction of Groynes (to avoid erosion within basin thereby serves as mini harbour for safe berthing of small crafts and vessels apart from effective coastal protection) at Alanthalai Village, Tiruchendur Taluk, Thoothukudi district.

2) The Project Proponent has stated that the main objective of the proposed project is to provide coastal stretch to preserve the beach width. In view of taming the long shore drift, two long groynes and five short Groynes are to be proposed. The southern Groyne, G2 is 800m and Northern Groyne, G5 is 650m in length with spacing of 850 m in between them. As the net drift is northerly, it is expected to erode the beach on the north of G5 and hence as precautionary measure 2 numbers of short groyne G6 of 50m length and G7 of 20m length with spacing in between as 150m in northern side of G5 and G1 of 20m in southern side of G2 are predicted in the proposal.

3) Further, the T-Groynes G3 and G4 are of length 120m and 100m located at a distance of 300m and 600m from southern groyne (G2) respectively. The presence of G2 and G5, a highly tranquil basin form will act as coastal protection measure as well as facilitate safer berthing of fishing vessel. The shoreline north of G2 may erode due to the northern littoral sediment drift.

4) The Project Proponent has furnished the study of the floral and faunal in the proposed site and species composition in the different stations, nearby the proposed site were also provided by the Proponent.

5) The proposed project site is falling CRZ-IB and CRZ-IVA and the proposed cost of the project is Rs.52.46 crores.

6) The DCZMA for Thoothukudi district has recommended the proposal to SCZMA in their 72nd meeting held on 21.12.2020.

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

8) 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 for approval and also to the Hon'ble NGT (SZ) and are awaited.

9) Further the Hon'ble NGT (SZ) has issued orders in Application 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.

10) The Authority may consider.

Agenda Item No.06

Requested amendment in the existing CRZ Clearance for the storage of Naptha (Class-A Petroleum product) at S.F.No.394, VOC Port Area 5B, MullakaduVillage, Thoothukudi Taluk, Thoothukudi district by M/s. Greenstar Fertilizers Ltd., Chennai.

The Project Proponent M/s. Greenstar Fertilizers Ltd., has stated that they are having Naptha handling facility in the VOC Port area to store the Naptha, which is one of the feedstock to produce fertilizer.

2) Earlier, M/s. Chemplast Sanmar Ltd., has obtained Clearance under the CRZ Notification, 1991 for storage of Ethylene Dichloride (EDC). The Project Proponent has stated that the storage terminal was previously allotted to M/s. Chemicals & Plastics India for the period of 30 years from 1984 to 2014. During the period, the storage tanks were used for the storage of EDC with total capacity of 14,700 Tons. The main storage tank and slop tank were established during 1984 and necessary Consent to Operate (CTO) was obtained from TNPCB. The additional storage tank was established during 1994 for which Clearance under the CRZ Notification, 1991 obtained from the TNSCZMA.

3) Further, the Project Proponent has stated that the existing storage terminal was allotted for another 30 years starting from 2014 onwards. Now, the Project Proponent proposed to store Naptha in the storage terminal having 3 Nos. of storage tanks with total capacity of 10,235 Cu.m Naptha Storage (2 Nos. of 5000 Cu.m and 1 No. of 235 Cu.m)

4) The site is falling in CRZ-II as per the approved Coastal Zone Management Plan and as per the HTL Demarcation map duly superimposing the project site.

5) As per the CRZ Notification 2011, vide para 8 (i) II CRZ II (vi) storage of non-hazardous cargo, such as edible oil, fertilizers and food grain in notified ports is permissible activity. Further vide para 3 (ii) (b) of the said notification, facilities for receipt and storage of fertilizers and raw materials required for manufacture of fertilizers like ammonia, phosphoric acid, sulphur, sulphuric acid, nitric acid and the like, shall be permitted, except in CRZ-I eco-sensitive areas.

6) The Authority may consider.

Agenda Item No.07

Proposed construction of Groynes and Landing facilities to prevent further erosion at Fish Landing Centre at Periyathalai Village in Thoothukudi district by Asst. Director of Fisheries, Thoothukudi

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal received from Asst. Director of Fisheries, Thoothukudi for the proposed construction of Groynes and Landing facilities to prevent further erosion at Fish Landing Centre at Periyathalai Village in Thoothukudi district, for Clearance under the CRZ Notification, 2011.

2) The Project Proponent has stated that in order to protect the shore of Periyathalai Village and provide safe landing facilities for the boats, the Project Proponent has proposed to construct 4 Nos. of Groynes viz., i) Extension of breakwater (BW-1) - 360 mts. (from 780m to 1140m), ii) Extension of breakwater (BW2) - 260 mts. (from 200m to 460m), iii) short groynes of 100m and iv) short groynes of 50m, which will further reduce the accretion and erosion process.

3) The Project Proponent has submitted the details of the ecology and biodiversity around the proposed site and furnished the impact and mitigation measures.

4) The proposed project site is falling CRZ-IB, CRZ-III and CRZ-IVA. The proposed cost of the project is Rs.29.89 crores.

5) The DCZMA for Thoothukudi district has recommended the proposal to SCZMA in their 71st meeting held on 12.11.2020.

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

7) 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 for approval and also to the Hon'ble NGT (SZ) and are awaited.

8) Further the Hon'ble NGT (SZ) has issued orders in Application 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.

9) The Authority may consider.

Agenda Item No.08

Any other subject with the permission of the Chair.

Sd./- xxxx
Thiru K.V. Giridhar, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd./xxxx
Thiru Sandeep Saxena, I.A.S.,
Chairman, TNSCZMA and
Addl. Chief Secretary to Government,
Environment & Forests Dept., Chennai-9.

**MINUTES OF THE 112th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 21.01.2021**

Agenda Item No.01: **Confirmation of the minutes of the 111th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021.**

The minutes of the 111th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 13.01.2021 communicated to the Members of the Authority in letter No. P1/2200/2018 dated 19.01.2021 of the Director of Environment, were confirmed.

Further, with reference to the Agenda Item No 17, the TNSCZMA has resolved to request the Project Proponent to arrange for conducting the Joint inspection by the Institute of Remote Sensing, Anna University, Chennai and Deltaic Regional Centre (DRC) of National Institute of Hydrology, Kakinada and get remarks on the status of the Ecologically Sensitive Areas of the site.

Agenda Item No.02: **The action taken on the decisions of 111th meeting of the Authority held on 13.01.2021.**

The Member Secretary, TNSCZMA informed that the action is being taken to the concerned proposals, based on the decisions of the TNSCZMA in the 111th meeting held on 13.01.2021. The Authority requested the Member-Secretary, TNSCZMA to brief the action taken report on the 111th meeting of the TNSCZMA in the next meeting.

Agenda Item No.03. **Proposed project of setting up of 60 MLD Desalination Plant at S.F.No.94/2, Koonimedu Village, Marakkanam Taluk, Villupuram district by TWAD Board, Kallakurichi.**

The Authority resolved to get the following additional details from the Project Proponent for taking further action:

- a) The project proponent should provide the baseline shoreline/ intertidal fauna and flora data including the list of species.
- b) The Project Proponent shall confirm about the compliance of other conditions related to Stage-I clearance under Forest Conservation Act.
- c) The Project Proponent shall submit the complete written report including the details of the proposed pipelines for desalination plant viz., measures of intake & outfall pipeline, erosion issues etc.
- d) The impacts on marine fauna, due to brine discharge from the desalination plant, should be included in the proposal.

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- e) The proposal should include seasonal variation studies over marine impacts due to coastal currents.
- f) The proposed project should confirm the modeling input parameters in local scenario.
- g) The project report should address the best practices/experiences gained from the previous project works and management of issues related to chemical usage like ferric chloride, sodium hypochlorite, dewatering, solid waste etc., in the proposal especially as done in Nemmeli Desalination Plant at Chengalpattu district.

Agenda Item No. 04: Proposed construction of Sailors Academy, Cooum sea confluence Area, Marina Beach, Chennai - A Training Institute for sailors and water sports located at R.S. No.3372/1, Triplicane Village, Mylapore-Triplicane Taluk, Chennai district by the Principal Secretary / Member-Secretary, Sports Development Authority of Tamil Nadu

The Authority resolved to get the following additional details from the Project Proponent for taking further action.

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

Agenda Item No.05: Proposed construction of Groynes (to avoid erosion within basin thereby serves as mini harbour for safe berthing of small crafts and vessels apart from effective coastal protection) at Alanthalai Village, Tiruchendur Taluk, Thoothukudi district by the Executive Engineer, PWD / WRD, Korampallam Aru Basin Division, Thoothukudi

The Authority resolved to clear the proposal by obtaining the Following additional details from the Project Proponent:

- a) The Project Proponent should submit the HTL Demarcation map, superimposing the proposed project site with the Gulf of Mannar Marine Biosphere Reserve area.
- b) The Project Proponent should submit of sediment transport analysis report considering the littoral drift.
- c) The Proponent should submit the justification for need of inside groyne placement.
- d) The proposal should include the intertidal faunal situation and ensure the non-turtle breeding area.
- e) The Project Proponent should include the details of beneficiary villages and types of benefits in the project report.
- f) The Project Proponent should adhere to the following conditions:
 - 1) Clearance under EIA Notification 2006 should be obtained from the SEIAA.
 - 2) No drawal of ground water in CRZ areas is permitted.
 - 3) The Project Proponent should obtain all statutory Clearances from the Competent Authorities prior to the commencement of activities.
 - 4) 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 (SZ) has issued orders 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 shore protection work on the coast of Tamil Nadu should be carried out as per the final orders of the Tribunal in the above said application.

Agenda Item No.06: Requested amendment in the existing CRZ Clearance for the storage of Naptha (Class-A Petroleum product) at S.F.No.394, VOC Port Area 5B, Mullakadu Village, Thoothukudi Taluk, Thoothukudi district by M/s. Greenstar Fertilizers Ltd., Chennai.

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The Authority resolved to clear the proposal subject to the following specific conditions:

- a) The storage of Naptha (Class-A Petroleum product) shall satisfy the prescribed standard norms.
- b) The proposed facility shall be utilized only for the storage of Naptha (Class-A Petroleum product).
- c) The project proponent shall not draw any groundwater in CRZ area, under any circumstances.
- d) Necessary safety mechanisms should be properly implemented to avoid leakages and to mitigate the adverse impacts, on the event of any accident.
- e) Appropriate facility should be created for the collection of solid and liquid waste, if any, and their safe disposal should be ensured at the storage location, as well as transit points.
- f) Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
- g) The project activity should not affect the coastal ecosystem including the marine flora and fauna.
- h) Green belt development shall be created as a natural forest, in consultation with the Forest Department, with appropriate, native, evergreen species of trees, shrubs and herbs.

Agenda Item No.07: Construction of Groynes and Landing facilities to prevent further erosion at fish landing centre Periyathalai in Thoothukudi District.

The Authority resolved to clear the proposal by obtaining the Following additional details from the Project Proponent.

- a) The Project Proponent should submit the HTL Demarcation map, superimposing the proposed project site with the Gulf of Mannar Marine Biosphere Reserve area.
- b) The Project Proponent should submit of sediment transport analysis report considering the littoral drift.
- c) The proposal should include the intertidal faunal study and ensure about the non-turtle breeding area.

- d) The Project Proponent should include the details of beneficiary villages and types of benefits, collective response from the nearby beneficiary Villages in the project report.
- e) The proponent should submit a report about the impacts due to the existing groynes, obtaining from the Public Works Department.
- g) The Project Proponent should adhere to the following conditions:
 - 1) Clearance under EIA Notification 2006 should be obtained from the SEIAA.
 - 2) No drawal of ground water in CRZ areas is permitted.
 - 3) The Project Proponent should obtain all statutory Clearances from the Competent Authorities prior to the commencement of activities.
 - 4) 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 (SZ) has issued orders 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 shore protection work on the coast of Tamil Nadu should be carried out as per the final orders of the Tribunal in the above said application.

Sd./- xxxx

Thiru K.V. Giridhar, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd./xxxx

Thiru Sandeep Saxena, I.A.S.,
Chairman, TNSCZMA and
Addl. Chief Secretary to Government,
Environment & Forests Dept., Chennai-9.