

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Note for circulation:

The following agenda item is circulated among the Members of the Tamil Nadu State Coastal Zone Management Authority, for perusal and approval.

Agenda Item : Proposed Construction of Mini Fishing Harbour at Nambiyar Nagar, Nagapattinam Taluk, Nagapattinam district by Asst. Director of Fisheries, Nagapattinam

The District Environmental Engineer, Tamil Nadu Pollution Control Board, Nagapattinam district have forwarded a proposal for the construction of Mini Fishing Harbour with a fish handling capacity of 8160 MTPA along with the functional component viz., construction of Jetty, Diaphragm Wall and pair of breakwaters along with other infrastructure facilities at Nambiyar Nagar, Nagapattinam Taluk, Nagapattinam district proposed by the Assistant Director of Fisheries (South), Nagapattinam in Public Private Partnership basis in the ambit of Self Sufficiency Scheme (SSS).

2) The Government have sanctioned for Rs.34.30 crores under Self Sufficiency Scheme which inclusive of 1/3rd of the project cost of Rs.11.43 crores as public contribution, vide G.O. (Ms.) No. 118, Rural Development and Panchayat Raj (SGS-1) Department, dated 03.09.2019.

3) The Project Proponent has proposed to construct a pair of breakwater on the seaward side (310m on the North and 365m on the South), 100m X 12m Jetty, One diaphragm Wall with 150m length and other land infrastructures like Auction Hall, Net Mending Centre, Fuel Station, Cold Storage, Wastewater Treatment Plant, Solid Waste Management etc., under the proposed Mini Fishing Harbour.

4) The Project Proponent has proposed dredging for the required water depth of -3m in Harbour area for 80,000m³. This dredged sand will be used for reclaiming the land for landside developments and also partly for shoreline stabilization on the northern side of the breakwater.

5) The fresh water requirement is assessed for 11.87 KLD and it will be sourced through local body and additional demand of 85 KLD of sea water for cleaning, it will be sourced directly through suitable intake structures from the sea.

6) The effluent from cleaning of fish handling areas and from the conveniences will be taken to exclusive Effluent Treatment Plant with a capacity of 10 KLD and the treated effluent will be finally disinfected and reused for green belt development.

7) The biodegradable solid waste that includes spoiled or damaged fish and their residue is estimated for 0.50 T/day and other non biodegradable waste will be taken for a sanitary landfill of the local body. The power supply will be drawn from the state Grid and the net power which is envisaged as requirement for operating the proposed Fishing Harour is estimated for 50kw.

8) The proposed Fishing Harbour is located in the Latitude of 10°46'38.71"N and Longitude of 79°51'0.62"E and project is falling in CRZ-IB, CRZ-II and CRZ-IV (A) of Nagapattinam district and the total area of the project is 2.72 Ha. The total project cost is Rs.34.30 crores.

9) The DCZMA for Nagapattinam district has decided to recommend the project proposal to the SCZMA in the meeting held on 05.10.2020.

10) 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.

11) 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.

12) As per CRZ Notification 2011, vide Para 4 (i) (a) Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities. Further, vide Para 3(a),) those directly related to waterfront or directly needing foreshore facilities are the permissible activity.

14) The Authority may Clear the above proposals subject to the following specific conditions:

- a) The extent of dredging, composition of dredged materials and a suitable methodology for the disposal of such dredging materials shall be evolved out and ensure that no adverse impact on the Environment.
- b) Quantity of Oil spillage, their impact on environment and the mitigation measures to be taken to prevent the adverse impacts, shall be furnished in the EIA report suitably.
- c) Instead of using Chlorine the use of UV shall be explored in the proposed STP.
- d) Based on the number of people visiting the Fish Landing Centre, Number of fishermen etc., the toilet facilities shall be provided with proper disposing system.
- e) No drawal of ground water in CRZ areas is permitted.
- f) It should be ensured that there should not be any adverse impact on coastal ecosystem due to the dredging activity and the dumping of dredged materials and proper mitigation measures should be evolved.
- g) The Fishermen community shall be adequately educated on the segregation of solid waste for proper management of the solid waste.
- h) Shoreline evolution should be monitored periodically through reputed institutions. Remedial measures need to be planned to prevent further erosion, if any, on the adjacent coastal areas.

- i) The activity should not have any adverse impact on the marine organisms. The impact on the corals, marine organisms, Turtle nesting etc., due to the above constructions, in long run, should be evaluated and monitored through a panel of experts, in which, ecologists should be included.
- j) The proposed activity shall not cause hindrance to the nearby human settlements/ authorised structures and fishing activities.
- k) The Unit shall utilize the treated sewage generated for the green belt development within the premises after achieving discharge standards prescribed by the TNPCB.
- l) The Unit shall segregate the municipal solid waste generated as Bio Degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management Rules, 2016.
- m) The Unit shall provide proper collection system for the dead / waste fishes/ fish cutting if any and dispose the same scientifically as per Solid Waste Management Rules, 2016.
- n) Fishing harbor and allied facilities plan shall be made with accessibility for the differently able persons and shall withstand natural calamities such cyclone, Tsunami, Sea erosion etc.,
- o) The Unit shall provide LED lighting arrangement for the entire premises to save electricity power consumption.
- p) The Unit shall provide first aid boxes at suitable locations for easy access.
- q) If the Project Proponent proposed to construct Desalination Plant, the prior Clearance from the MoEF & CC, Govt. of India should be obtained.
- r) The Project Proponent should obtain all statutory Clearances from the Competent Authorities prior to the commencement of activities.

s) 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/- xxx
Member Secretary,
TNSCZMA

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To
The Members of Tamil Nadu State Coastal Zone Management Authority

It is requested to convey your acceptance to record this as minutes by returning a signed copy.

- 1) Thiru B. Ganesan, I.A.S.,
Director of Town and Country Planning,
No.807, Anna Salai, Chennai 600 002. Sd./-

- 2) Thiru J. Jayakanthan, I.A.S.,
Director of Fisheries,
Integrated Animal Husbandry and
Fisheries Building,
Nandanam, Chennai - 600 015. Sd./-

- 3) Thiru Shunchonngam Jatak Chiru I.A.S
Member Secretary,
Chennai Metropolitan Development Authority,
Thalamuthu Natarajan Building,
1, Gandhi Irwin Road, Egmore, Chennai 600 008. Sd./-

- 4) Dr. S. Selvan, M.E., MBA, Ph.D.,
Member Secretary i/c,
Tamil Nadu Pollution Control Board,
No.76, Mount Salai, Guindy, Chennai 600 032. Sd./-

- 5) Thiru C. Paul Prabhakar,
Regional Director,
Central Ground Water Board,
S.E.C.R., E-1, Rajaji Bhawan,
Besant Nagar, Chennai 600 090. Sd./-

- 6) Dr. S. Paulraj., IFS., (Retd.),

- Executive Chairman, CSPT
Chennai Snake Park,
Raj Bhavan Post, Guindy, Chennai.600 032. Sd./-
- 7) Dr. R. Venkatesan, Scientist G &
Group Head-Ocean Observation Systems,
National Institute of Ocean Technology (NIOT), Sd./-
Ministry of Earth Sciences, Pallikaranai,
Chennai 600 100.
- 8) Dr. Nehru Kumar Vaithilingam,
Director, Centre for Environment, Health & Safety, Sd./-
Annamalai University,
Annamalai Nagar 608 002.
- 9) Dr. S.S. Ramakrishnan,
Director, Institute of Remote Sensing, Sd./-
Anna University Campus,
Chennai 600 025.
- 10) Dr. V. Selvam, Executive Director,
M.S.Swaminathan Research Foundation, Sd./-
3rd Cross Street,
Taramani Institutional Area,
Taramani, Chennai 600 113.

Sd./- xxxxx (07.12.2020)
Thiru Sandeep Saxena, I.A.S.,
Chairman, TNSCZMA and
Addl. Chief Secretary to Government,
Environment & Forests Dept.,
Chennai-9