

90th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 03.08.2016

Time: 11.30 A.M.

Venue:

Chamber of the Principal Secretary to
Government,
Environment and Forests Department,
7th floor, Secretariat,
Chennai - 600 009

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**THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY -
90th MEETING**

Date & Time:

03.08.2016 - 11.30 A.M.

**Venue: Chamber of the Principal Secretary to
Government,
Environment and Forests Department.,
7th floor, Secretariat,
Chennai- 600 009.**

**AGENDA ITEM NO.01: Confirmation of the minutes of the 89th meeting of the
Tamil Nadu State Coastal Zone Management Authority
held on 01.06.2016.**

The 89th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 01.06.2016 and the minutes were communicated in letter no. P1/1044/2015 dated 06.06.2016 (Copy enclosed) of Director of Environment. It may be confirmed.

**MINUTES OF THE 90th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY HELD ON 03.08.2016**

AGENDA ITEM NO.01: Confirmation of the Minutes of the 89th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.06.2016.

The minutes of the 89th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.06.2016 communicated in Letter No.P1/1044/2015 dated 18.02.2016 of the Director of Environment, were confirmed.

AGENDA ITEM NO.02: Report on the follow up action taken in respect of decisions taken during the 88th meeting of the TNSCZMA.

The Member Secretary briefed the members about the action taken by the Department of Environment on the decisions taken during the 88th meeting of the Tamil Nadu State Coastal Zone Management authority held on 15.02.2016.

AGENDA ITEM NO.03 Construction / reconstruction / repairing in Harichandranathi, Adappar, Vellaiyar, Pandavayar, Valavanar and Vedharanyam Canal in Keevalur, Nagapattinam, Vedaranyam and Thirukkuvalai Taluks of Nagapattinam District proposed by the PWD.

The Authority resolved to request the applicant to furnish the following additional details to take further action on the proposal:

- a) Technical opinion on the project proposal shall be obtained from one among the 7 institutions viz., ICMAM, IIT Chennai, National Centre for Sustainable Coastal Management (NCSCM), NIT Surat, Department of Erosion directorate (Ministry of Water resources, IIT Bombay, Central Water and Power Research station.
- b) Specific details on the project activities especially in CRZ areas and their impact on fishing and allied activities shall be furnished.

AGENDA ITEM NO.04 Proposed Construction of 6 MLD Sewage Treatment Plant at S.No. 45/1, Navalur village, Thiruporur Taluk, Kancheepuram district proposed by Chennai Metro Water Supply & Sewerage Board, Chennai

The Authority resolved to recommend the proposal to the Ministry of Environment Forests and Climate Change, Government of India subject to the following specific conditions:

- a) The treated sewage water shall be re- utilized for further beneficial use by the nearby industries, for development of parks in consultation with the Corporation of Chennai, for gardening in and around the project site etc., to the maximum extent and the surplus water may be discharged into the rivers after achieving the PCB standards.
- b) A continuous monitoring system shall be implemented in consultation with the Tamil Nadu Pollution Control Board. Environmental Engineers shall be appointed to monitor the operation of the STP for implementing the project effectively.
- c) A plan for the continued long term monitoring of quality/ characters of the treated water shall be developed and implemented.
- d) The CMWSSB shall obtain Consent to Establish from TNPCB.
- e) There shall be no extraction of ground water.
- f) No liquid or solid waste shall be generated and disposed off in CRZ.
- g) No blasting activities in CRZ are permissible.
- h) Proper arrangements should be made for the disposal of solid wastes generated in the project area then and there
- i) .Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.

AGENDA ITEM NO.05 Mining of Rare minerals in mining lease area of 141.33 ha & 7.06 ha at Manavalakurichi, Lakshmpuram and Colachel villages of Kalkulam taluk in Kanniyakumari district proposed by M/s. Indian Rare Earths Limited.

The Authority resolved to request the Ministry of Environment, Forest and Climate Change, GoI to issue suitable amendment to CRZ Notification 2011, permitting mining in inter-tidal zone areas {(i.e., CRZ-I (B))} and also in CRZ-III areas between 200mts and 500mts from the HTL, based on the opinion of the Ministry of Law and Justice. On receipt of the said new regulation/amendment in the CRZ Notification 2011, the TNSCZMA may take decision on the above mining proposal.

AGENDA ITEM NO.06 Status report on Preparation of comprehensive shoreline protection management plan / Scheme for the coast of Tamil Nadu as per the NGT (SZ) - Presentation by Prof.Dr.V.Sundar, IIT, Chennai.

The status report on preparation of Comprehensive Shoreline Protection Management Plan was presented by Prof. V. Sundar, IIT Madras. The Authority has resolved to approve the final report subject to the inclusion of following details in the final report.

- a) A statement showing the district wise details of vulnerable shoreline areas, priority level, the details of erosion control measures, reasons for soft structures/ hard structures as erosion control measures.
- b) The facts that how the ecologically sensitive areas like seagrass, mangroves, mudflats, ecological niche of species like Turtles, Dolphins, Dugong etc., are affected due to shoreline changes.

2) Further the Authority authorized the Member Secretary, TNSCZMA to send the report to MoEF&CC., GoI for taking further action and also furnish the said report to the Hon'ble Court (NGT-SZ), as instructed by the Hon'ble Court, NGT.

.05.

AGENDA ITEM NO.07 Invitation to attend the 13th International Coral Reef Symposium to discuss the application of scientific knowledge to achieving coral reef sustainability at Honolulu, Hawaii, USA during 19-24th June 2016 to be conducted by the International Society for Reef Studies.

The Authority has confirmed the approval of Circulation agenda dated 27.04.2016.

AGENDA ITEM No.08 CRZ- International Great Barrier Reef Marine Park Authority, an independent Australian Government agency responsible for the long term protection of the great barrier reef including management of the Great Barrier Reef Marine Park - delegation visited to Australia - regarding.

The Authority has confirmed the approval of Circulation agenda dated 27.04.2016.

Sd/-xxx
Dr. H. Malleshappa, I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd/-xxx
Thiru Hans Raj Verma, I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
Environment & Forests Dept., Chennai-9

.06.

AGENDA ITEM NO.02: The action taken on the decisions of 89th meeting of the Authority held on 01.06.2016 are given below:

SI. No	subject	Action taken
01	Construction / reconstruction / repairing in Harichandranathi, Adappar, Vellaiyar, Pandavayar, Valavanar and Vedharanyam Canal in Keevalur, Nagapattinam, Vedaranyam and Thirukkuvalai Taluks of Nagapattinam District proposed by the PWD.	As resolved the PWD has been requested to furnish further details on their proposals in Ir. No. P1/445/2016 dated 06.06.2016.
02	Proposed Construction of 6 MLD Sewage Treatment Plant at S.No. 45/1, Navalur village, Thiruporur Taluk, Kancheepuram district proposed by Chennai Metro Water Supply & Sewerage Board, Chennai	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/2015/2015 dated 06.06.2016.
03	Mining of Rare minerals in mining lease area of 141.33 ha & 7.06 ha at Manavalakurichi, Lakshmipuram and Colachel villages of Kalkulam taluk in Kanniyakumari district proposed by M/s. Indian Rare Earths Limited.	As resolved the Ministry of Environment, Forests & Climate Change, GoI has been requested to issue suitable amendment to CRZ Notification 2011, permitting mining in inter-tidal zone areas in letter No. P1/1688/2013 dated 06.06.2016.
04	Status report on Preparation of comprehensive shoreline protection management plan / Scheme for the coast of Tamil Nadu as per the NGT (SZ) - Presentation by Prof.Dr.V.Sundar, IIT, Chennai	As indicated by the Authority, the IIT, Madras has submitted the final report on 14.06.2016. As resolved the said report has been forwarded to Environment and Forests Department so as to forward the same to GoI. Further the report has also been submitted to the Hon'ble NGT, South Zone, Chennai.

AGENDA ITEM NO:03 Construction of Godown for storage of Export / Import cargoes in Chennai Port proposed by Chennai Port Trust.

The Chennai Port is proposed to construct covered sheds for strong export/ import cargoes handled in the Port etc., agricultural products / food grains - rice, wheat, maize, sugar etc., cement, newsprint, wood pulp since there is an considerable raise in demand for using the Port after the stoppage of Coal and Iron Ore handling.

2) The proposal involves construction of 2 numbers of sheds having 4500 sq.m area, each, along with rest rooms for user agents at an estimated project cost of Rs.14.50 crores nearer to Jawahar Dock (East Berths). The Chennai Port has informed that the proposed Godown will facilitate to store cargo before shipment without contamination and pilferage. The Godown would be able to handle about 2.5 lakh tones per annum. The site is falling in CRZ - II.

3) The DCZMA for CMDA areas have recommended the proposals for clearance in the meeting held on 16.02.2016.

4) As per CRZ Notification 2011, vide para 8 II CRZ II (vi) storage of non-hazardous cargo, such as edible oil, fertilizers and food grain in notified ports; is permissible activity in CRZ - II areas and the TNSCZMA is empowered to clear the said project.

The Authority may consider.

AGENDA ITEM NO:04: Proposed construction of Fish Landing Centre at Kovalam in Kancheepuram district proposed by Fisheries Department.

The District Coastal Zone Management Authority for Kancheepuram has forwarded a proposal for the construction of shore protection structures proposed by the Fisheries Department. Subsequently the Fisheries Department included setting up of Fish Landing Centre at Kovalam in addition to the shoreline protection structures in Kancheepuram district and submitted for clearance under CRZ Notification 2011.

2) Under the proposal the Fisheries Department has proposed to construct the following landside facilities as a part of construction of Fish Landing Centre at Kovalam.

- i) Fish Drying Platform - 30x20mts - 1 No.
- ii) Net Mending Shed - 30 x 12m - 1 No.
- iii) Sanitary complex - 12 x 6 m - 1 No.
- iv) Auction Hall - 30 x 12 - 1 No.
- v) Ice plant - 15 x 10 - 1 No.
- vi) Generator room - 5 x 4 m - 1 No
- vii) Amenities such as Children's park, roads, water supply etc.

3) The Fisheries Department has also proposed to construct series of groynes and pair of training walls on the mouth of Muttukadu back water starting from Narasimha Temple on the south to north covering 1860 m length of shore along the coast of Kovalam. Six groynes G1 to G6 of varied lengths viz, 50m, 75m, 100m, 75m, 50m and 40m respectively and two training walls of 200m each will be constructed. It is proposed to dredge a channel of width 30m to 50m in between the training wall by dredging the sea bed up to - 1.5 m bed level and the dredged soil is to be deposited on the southern side of training wall.

4) The site is falling in CRZ-IB (inter tidal zone), CRZ-III & CRZ IV. The Total Project cost is Rs.18.30 crores. The District Coastal Zone Management Authority for Kancheepuram district has informed that the Fisheries Department has already constructed two groynes.

.09.

5) As per CRZ Notification 2011, vide para 3 (i) (a) & 3 (iv) (b to d) construction for the foreshore facilities in CRZ and land reclamation, bunding or disturbing /the natural course of seawater for the construction or modernization or expansion of foreshore facilities like Ports, harbours, jetties etc., are permissible activities. Further facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like; are permissible activities as per para 8 III CRZ III A (iii) in No Development Zone.

6) However, 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 Hon'ble NGT (SZ).

7) 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.

8) The Authority may consider.

AGENDA ITEM NO:05: Reconstruction and modernization of Mallipattinam Fishing Harbour at Kallivaiyal village, Pattukottai Taluk, Thanjavur district proposed by Fisheries Department.

The District Coastal Zone Management Authority for Thanjavur has forwarded proposal for reconstruction and modernization of Mallipattinam Fishing Harbour at Kallivaiyal village, Pattukottai Taluk, Thanjavur district proposed by Fisheries Department, for clearance under CRZ Notification 2011.

2) Based on the projected fish catch of 7000 Tons per annum (for the next 10 years), the Fisheries Department has proposed the following waterside facilities as part of modernization of Mallipattinam Fishing Harbour.

- i) L jetty - 2 nos of size 180 x 75 x 6 m
- ii) Diaphragm wall - 2 Nos of size 220 x 10 m each
- iii) Breakwater of size 600m near the mouth of Kattayapadu river
- iv) Approach road 600 m
- v) Dredging (-3.0m; quantity of sediment 2,60,000m³)

3) The Fisheries Department has also proposed following landside facilities i) Auction hall- 2 nos., net mending shed - 2 nos, Gear Locker shed- 2 Nos, Admin building, STP shed room, washing shed, UG sump fresh water - 2Nos, UG sump saline water - 2 nos, boat repairing yard - 2nos, net mending platform- 2 nos, Gen set room-1 no, security cabin-1 nos, Toilet - 3 nos, overhead tank - 2nos, solar light/ highmast lights, drainage network, solid waste management, improving roads and construction of new road, dismantling the old buildings, compound wall and raised platforms - 2 Nos.

4) The site is falling in CRZ-IB (inter tidal zone), CRZ-III & CRZ IV. The Total Project cost is Rs.59.86 crores.

5) As per CRZ Notification 2011, vide para 3 (i) (a) & 3 (iv) (b to d) construction for the foreshore facilities in CRZ and land reclamation, bunding or disturbing /the natural course of seawater for the construction or modernization or expansion of foreshore facilities like Ports, harbours, jetties etc., are permissible activities. Further facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like; are permissible activities as per para 8 III CRZ III A (iii) in No Development Zone.

6) However, 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 Hon'ble NGT (SZ).

7) 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.

8) The Authority may consider.

AGENDA ITEM NO.06: proposed Foreshore Terminal Pipeline rerouting project from Foreshore Terminal to Royapuram Railway Station (RS) proposed by Indian Oil Corporation Limited.

The Indian Oil Corporation, Chennai has proposed to lay three new pig gable Oil pipelines, one for white oil, second line for black oil and third line for Lubes on railway land/port land connecting Korukkupet and Chennai Port and it will facilitate better management and maintenance of dock lines in the stretch of North Chennai. As the existing pipelines are crossing through the thickly populated area of North Chennai the IOC proposed for re-routing through the railway corridor for which Right of Way clearances from Chennai Port Trust and railway were obtained.

2) Under the project,

i) it is proposed to lay dock lines for white oil (20" Dia x 1.5 kms length) & Black Oil (14" Dia x 1.5 KMs length) from FST to Royapuram RS and Lube line (12" x 1.5 kms length) from North Quay jetty to Royapuram RS including construction of Fire Pump House, Product Pump House, Control Room, MCC Room, manifold and pipeline inter-connecting facility in the Additional land at Foreshore Terminal.

ii) Further decommissioning of existing dock lines of White Oil (20" dia), Black Oil (14" dia), Naptha (16" dia) and Lube Line (12" dia) by flushing with water for cleaning / evacuating the product and dismantling the pipelines wherever possible.

3) The project of re-routing / relaying of the proposed 3 piggable underground pipelines has been conceived in two groups viz.,

Group A: Laying of pipelines from IOCL Korrukupet to Royapuram RS in the Railway land with necessary hooking up arrangement at Korukkupet to connect to CPCL through the existing pipeline system.

Group B: Laying of Pipelines from Royapuram RS to IOCL Foreshore Terminal (FST) & North Quay (existing lube oil facilities) inside Chennai Port falling under CRZ including hooking up with the existing pipeline system at Foreshore Terminal and Jetty.

4) The project sites in CRZ are falling in CRZ-II. Total project cost for the Group-B activities (FST to Royapuram RS) is Rs. 16.92 crores and the handling capacity of pipelines is 2.0 MMTPA.

5) The DCZMA for CMDA areas, in the meeting held on 06.06.2016, recommended the project to Tamil Nadu State Coastal Zone Management Authority subject to the following conditions:

- i) The unit shall ensure that the pipeline is designed and constructed by adhering to OISD (Oil Industry Safety Directorate) Code as applicable.
- ii) The unit shall ensure that SCADA system as envisaged is provided for monitoring all the operational parameters and integrity of the pipe line.
- iii) The unit shall comply with the recommendations as suggested in the Rapid Risk Assessment Study Report as conducted by M/s.Vimta Labs Ltd., furnished to the Board.
- iv) The unit shall comply with all the recommendations suggested in the Environment Management Plan both in the Construction and Operational Phase of the project done by M/s.Vimta Labs Ltd.,
- v) The unit shall ensure that an Environment Management Cell headed by a Project Manager is created and put in place in order to implement and to continue to maintain all measures suggested in the Environment Management Plan.
- vi) The unit shall provide adequate sanitation for workers to be deployed in the pipe line rerouting project.
- vii) The unit shall prepare Emergency Response and Disaster Management Plan (ERDMP) as per PNGRB (Petroleum & Natural Gas Regulatory Board) Regulations for the new pipeline rerouting project.

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- viii) The unit shall conduct a safety audit on the compliance of the safety measures adhered to as per OISD (Oil Industry Safety Directorate) Code through CISRA, CLRI, Chennai.
- ix) The unit shall decommission and dismantle the existing pipe lines being utilised for transporting petroleum products by following the specific protocol .The pipelines shall be flushed to remove the residual product before carrying out the dismantling process.
- x) The unit shall display sign boards en-route of the rerouted pipeline at every 500 Meter intervals and at strategic locations to indicate the presence of the underground pipeline and the depth at which the pipelines are laid.
- xi) The unit shall obtain clearance from Southern Railway and other concerned authorities for laying of the three petroleum Product Pipeline in the railway land before commencement of the project.
- xii) The unit shall furnish monthly report on the pipeline rerouting progress of the project to TNPCB.
- xiii) The unit shall ensure that no sensitive area is located within a radius of 10 km from the project site.
- xiv) The unit shall establish the facility only after obtaining the Consent to Establish from Tamil Nadu Pollution Control Board.

3) As per CRZ Notification 2011, vide para 3 (i) (a) laying of pipelines is permissible activities. However vide para 4 (ii) (d) the above activity requires clearance from the Ministry of Environment, Forests and Climate Change, GOI.

4) The Authority may consider.

AGENDA ITEM NO.07: Construction / reconstruction / repairing in Harichandranathi, Adappar, Vellaiyar, Pandavayar, Valavanar and Vedharanyam Canal in Keevalur, Nagapattinam, Vedaranyam and Thirukkuvalai Taluks of Nagapattinam District proposed by the PWD

The District Environmental Engineer, TamilNadu Pollution Control Board, Nagapattinam has forwarded a proposal received from Public Works Department, Nagapattinam for the proposed structures to be constructed / reconstructed / repaired in Harichandranathi, Adappar, Vellaiyar, Pandavayar, Valavanar and Vedharanyam Canal in Keevalur, Nagapattinam, Vedaranyam and Thirukkuvalai Taluks of Nagapattinam District for Clearance under CRZ Notification 2011.

2) The projects is falling in S.No.69,73,436 of Karapidagai (S) Village, S.No.133,157,211 of Vettaikaraniruppu Village of Kilvelur Taluk, S.No.115,117,118, 129,130,147,156,157,168,170,176,177,180,198,199,385 of kallimedu Village, S.No.232 of Vellapallam Village, S.No.60 of Naluvadapathy Village, S.No.72,202, 210 of Sembdai Village, S.No.235,359,360,397 of Thalainayar (TP), S.No.6/261, 259, 264/1 of Kovilpathu/Vellapallam Village, S.No.445, 453, 458 of Vaimedu West Village of Vedaranyam Taluk, Nagapattinam District.

3) The District Environmental Engineer, TamilNadu Pollution Control Board, Nagapattinam has informed that above said Survey Numbers falling in CRZ-I & III. Total Project cost is Rs.960.66 crores.

4) The project is located in Vennar sub basin of Cauvery Delta region. The entire project falls in Kodavasal, Thiruvarur, Mannrgudi, Needamangalam and Thiruthuraipoondi Taluks in Tiruvarur Districts, Keevallur, Nagapattinam and Thirukkuvalai Taluks in Nagapattinam district. As part of existing and potential climate change issues affecting irrigation water supply, drainage, flooding and salinity, six rivers in the Vennar system in the Cauvery River delta, namely **Harichandranadhi, Adappar, Vellaiyar, Valvanar,**

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Pandavanar and the Vedaranyam Canal are included in the project for improvement and modernization. The project activities include construction, reconstruction and repairs of structures like Regulators, Irrigation Head Sluices, Drainage Sluices, Drainage Infalls, Drainage Syphons, Bed Dams, Grade Walls etc. The details are as follows.

Harichandranathi

From LS 121.142 Km to 160.200 Km and Lawford Straight cut from LS 0 to 4.00 Km in Needamangalam, Mannargudi, Thirthuraipoondi Taluks of Thiruvarur District and Kivelur, Thirukkuvalai, Vedharanyam Taluks of Nagapattinam district.

CRZ Attracting area

From LS 159.800 Km to 160.107 km

Survey Nos. Karapidagai (S) - 436

Lawford straight cut : From LS 0 Km to 2.50 Km

Survey Nos. : 133, 157, 211 of Vettaikaraniruppu, Keevalur Taluk

Desilting the bed and strengthening Bank, Head Sluice, Tailend Regulator and Drainage infall works to be carried out.

Adappar River

From LS 130.236 Km to 169.025 Km and Adappar Straight cut from LS 0 to 2.50 Km in Mannargudi, Thiruthuraipoondi Taluks of Thiruvarur District and Vedharanyam Taluk of Nagapattinam District.

CRZ Attracting area

From LS 163.300 Km to 168.650 Km

Survey Nos. 235, 359, 360, 397 of Thalainayar (TP) and 115,117,118, 129, 130, 147, 156, 157, 168, 170, 176, 177, 180, 198 & 199 of Kallimedu Village of Vedaranyam Taluk.

Desilting the bed and strengthening Bank, Tail end Regulator and Drainage infall works to be carried out.

Vellaiyar River

From LS 111.650 Km to 153.650 Km and Vellaiyar Straight cut from LS 0 to 4.50 Km in Needamangalam and Thiruvaur Taluk of Thiruvaur District and Thirukkuvalai, Kivelur, Nagapattinam Taluks of Nagapattinam District.

.17.

Pandavayar River

From LS 109.270 Km to 148.020 Km in Thiruvarur Taluk of Thiruvarur District and Kilvelur Taluk of Nagapattinam District

Valavanar Drain

From LS 0 Km to 19.30 Km in Thiruthuraipoondi Taluk of Thiruvarur District and Vedaranyam Taluk of Nagapattinam District

CRZ Attracting area (Valavanar)

From LS 16.650 Km to 19.30 Km

Survey Nos. 445, 453 and 458 of Voimedu West, Vedaranyam Taluk

Desilting the bed and strengthening Bank, Tailend Regulator and Drainage infall works to be carried out.

Vedaranyam Canal

From LS 11.465 Km to 46.100 Km and Uppanar Drain from LS 0 Km to 1.500 Km in Kilvelur, Vedaranyam, Nagapattinam Taluks of Nagapattinam District

CRZ Attracting area

From LS 11.465 Km to 24.450 Km

Survey Nos. 69, 73 of Karapidagai Village and 157, 211 of Vettaikarniruppu Village of Keevalur Taluk,

Survey Nos.6/261, 259 of Kovilpathu, Thalainayar (TP), 264/1 of Kovilpathu (TP), Vellapallam (TP), 232 of Vellapallam (TP), 60 of Naluvadhpathi Village, 72, 202,210 of Sembodai Village and 385 of Kallimedu Village in Nagapattinam Taluk.

Desilting the bed and strengthening Bank, Syphon, Tailend Regulator and Drainage infall works to be carried out.

5) As per CRZ Notification 2011, vide para 3 (iv) (d), "measures to prevent sand bars, installation of tidal regulators, laying of storm water drains or for structures for prevention of salinity ingress and freshwater recharge based on carried out by any agency to be specified by MoEF". The Ministry of Environment and Forests, GoI have in Office Memorandum No. 11-83/2005-IA-III dated 24th February 2011 issued instructions that the said projects should be examined by one among the 7 institutions viz., ICMAM, IIT Chennai, National Centre for Sustainable Coastal Management (NCSCM), NIT Surat, Department of Erosion directorate (Ministry of Water resources,

.18.

IIT Bombay, Central Water and Power Research station and based on the recommendations made by one of these institutions, the project would be considered for clearance by the TNSCZMA.

6) The subject was placed before the Authority, in the 89th meeting held on 01.06.2016 and the Authority has resolved to request the applicant to furnish the following additional details to take further action on the proposal:

- a) Technical opinion on the project proposal shall be obtained from one among the 7 institutions viz., ICMAM, IIT Chennai, National Centre for Sustainable Coastal Management (NCSCM), NIT Surat, Department of Erosion directorate (Ministry of Water resources, IIT Bombay, Central Water and Power Research station.
- b) Specific details on the project activities especially in CRZ areas and their impact on fishing and allied activities shall be furnished.

7) The PWD has furnished the above details.

8) The Authority may consider.

AGENDA ITEM NO:08: Proposed residential complex - development in the place of existing building / structures by Coromandel International Limited to cater the needs of working personnel at Ernavur village, Thiruvottiyur Taluk, Thiruvallur district.

M/s. Coromandel International Limited, Chennai has Proposed redevelopment of the existing building / structures by Coromandel International Limited to cater the needs of working personnel at Ernavur village, Thiruvottiyur Taluk, Thiruvallur district in S.Nos. 33/2A., 2C, 37/1,2,4, 39/1A, 1C,3,41/1A, 1C., 3,42/1A,1C,2,4,43/1&4. The Total Plot area of project is 1,33,853 sq.mts. The total built up area is 2,75,715.04 sq.mts. FSI area is 1,88,613.66 sq.mts. Non FSI area is 35,274.83 sq.mts. FSI allowed is 1.5. FSI achieved is 1.409. Under the proposal the applicant is proposed to construct 35 blocks. Total number of units will be 2224.

2) Applicant has furnished the details on the DTP's approval on the existing constructions. As the existing building approvals were issued during 1962 & 1963. The site is falling in CRZ-II. Project cost is Rs.347 crores.

3) The DCZMA for CMDA areas resolved to recommend the project under CRZ Notification 2011 subject to the following conditions:

- a) that the total built up area of the proposed constructions should not exceed 20,000 sq.mts.,
- b) Prior Clearance under CRZ Notification 2011 should be obtained before the commencement of constructions if the total built up area exceeds 20,000sq.mts.
- c) Prior Environment Clearance under EIA Notification 2006 should be obtained before the commencement of constructions if the total built up area exceeds 20,000sq.mts.

4) As per CRZ Notification 2011, vide para 8 II CRZ II (iii) reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use; Buildings permitted 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 :

5) The Authority may consider.

AGENDA ITEM No:09: Proposed Specific (Mineral based) SEZ including Captive (Minor) Port at Thrivambalapuram village, Radhapuram taluk, Tirunelveli district proposed by V.V. Mineral, Tisaiyanvilai., Tirunelveli district.

M/s. V.V. Mineral, Tisaiyanvilai Tirunelveli district have applied for clearance under CRZ Notification 2011, for their proposed Specific (Mineral based) SEZ project including Captive (Minor) Port at Thrivambalapuram village, Radhapuram taluk, Tirunelveli district over an extent of 165.635 Ha in their own Patta Lands in SF. No. Parts of 326, 327, 328, 329, 330, 332, 333, 335, 338, 339, 341, 343, 344, 345, 346, 347, 348, 349, 352, 353, 354, 355, 358, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 385 & 386, at Thiruvambalapuram Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu. The VVM SEZ will have its own Captive Port in the Gulf of Mannar adjacent to the SEZ Site. The Specific (Mineral based) SEZ has been notified by the Ministry of Commerce & Industry Gazette Notification S.O. No. 3723(E) dated 16.12.2013.

2) In the total extent of 165.635 Ha of SEZ Area, about 87.755 Ha falls in in Coastal regulation Zone (CRZ)-III Area (Coastal Zone Management Plan of Tamil Nadu Sheet No. 29) and about 77.800 Ha falls in Non-CRZ Area. The High Tide Line (HTL) / Low Tide Line (LTL) demarcation, CRZ Map, has been prepared by the Institute of Remote Sensing (IRS), Anna University, Chennai. The SEZ Area in No Development Zone (NDZ; 0-200 m from HTL & 100 m from River Bank) and Development Zone (DZ; 200-500 m from HTL) and in Non-CRZ Area (>500 m from HTL) are as follows :

SEZ area in 0-200 m from HTL (NDZ)	:	23.995 Ha
SEZ area in 200-500 m from HTL (DZ)	:	63.760 Ha
SEZ Area in >500 m from HTL (Non-CRZ)	:	77.880 Ha

Total SEZ Area	:	165.635 Ha

3) The applicant has indicated that there is no National Park, Wildlife Sanctuary, Elephant Corridor, Reserved Forests, Mangrove, Archaeological/Historical Monument, etc. within 10 km radius area from boundary. Kudankulam Nuclear Power Plant is located at a distance of 10.5 km in southwest from the SEZ boundary. There is no hillocks noticed in the study area. There is no perennial stream or river in the region. The seasonal Nambiyar River flows adjacent to the SEZ. Predominantly, Gulf of Mannar is the eastern boundary of the SEZ. The State Highway (SH)-176 (East Coast Road) runs adjacent to the SEZ in the west.

4) M/s. VVM will transport the heavy minerals from the MLs to the SEZ for further processing (cracking of Monazite) to produce Garnet Abrasive Grit, upgraded Ilmenite, Rare Earth Oxide, Titanium Pigments, Zircon Powder, etc. on stage by stage - all industrial activities in the Non-CRZ Area. The processed/value added products will be exported to the existing customers by Ship. The port named as TVM Captive Minor Port has been designed/commissioned by the Department of Ocean Engineering, IIT Madras and the DPR has been submitted.

5) There will be no mining activity proposed within the SEZ Area except the excavated earth (predominantly heavy minerals of about 2.0 Million Tonnes) which will be stacked at a suitable site within the SEZ for future utilization after obtaining all required Statutory Approvals.

6) The following activities are proposed Sector Specific SEZ Proposal :

- a) Heavy Mineral Processing Plants (Cracking of Monazite) for throughput Quantity will be 90,000 TPA out of which 50,000 MT of Rare Earth oxide and 40,000 MT Titanium Pigment and Zirconium products, in Non-CRZ Area.
- b) Standby DG House, Workshops, Rest Houses, Admin. Buildings, custom house, weigh bridge, R&D Testing labs, cafeteria, rest houses, fuel station, orientation/training center, conference hall, fire station in Non-CRZ Area.
- c) All weather Captive Port of 4.90 MTPA cargo handling capacity with all its Administrative Offices and other Infrastructures in CRZ Area.
- d) Common ETP of 100 KLD capacity in Non-CRZ Area.
- e) Sewage Treatment Plant of 50 KLD capacity in Non-CRZ Area.

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f) Storage of excavated earth containing Heavy Minerals (2.0 Million Tonnes) from Construction in CRZ & Non-CRZ Areas for future use after obtaining required Statutory Approvals.

7) The Port is proposed to be developed as a captive minor port including breakwaters, harbour basin, dredging and deep water berths. Based on the bathymetry (-) 15.0 m CD contour is available about 6.77 km normal to the shore line. The design vessel for the proposed port is 60,000 DWT. About 0.75 million cum of dredged material obtained from dredging approximately 1.50 m depth inside the harbour basin. Within the basin, 34.37 ha. of land size from shore will be reclaimed and the top level is proposed as (+) 3.50 m CD.

8) The total Project Cost, including Captive Port, would be Rs.960 crores. A budget of Rs.4.50 crore has been earmarked as Capital Cost for Environmental Management Plan (EMP) and 0.50 Lakhs per Annum as EMP Operating Cost. Also, an amount of Rs.65 Lakhs per Annum will be earmarked towards Corporate Social Responsibility (CSR) Budget. The Project will be completed within 3 years period from the date of all required Statutory Clearances and Approvals.

9) The facilities that will be provided within the Processing Zone include :
Non-CRZ Area :

- a. Administrative Office (2,800 sq. m).
- b. Plots for Heavy Minerals Processing Plants-MPPs- (3,000 sq. m Plots of 10 Nos.) and proposed builtup area now for MPPs is 12,000 sq. m.
- c. Standby DG House for 2x1000 KVA DG Sets (150 sq. m).
- d. Custom House (300 sq. m).
- e. Weigh Bridge (50 sq. m).
- f. R&D and Testing labs (250 sq. m).
- g. Cafeteria with a food court (250 sq. m).
- h. Rest Houses (150 sq. m).
- i. Fuel Station (50 sq. m).
- j. Orientation / Training Center & Conference Halls (500 sq. m).
- k. Fire Station (200 sq. m).
- l. Occupational Health Centre (100 sq. m).
- g) Common ETPs (900 sq.mt)
- h) Sewage Treatment Plants (900 sq.mt)

CRZ Area :

- a. Warehouses (5,000 sq. m-3 Nos.).
- b. Parking Bays (5,000 sq. m) for 50 cars & 200 Two-ws & 50 Trucks.
- c. Container Terminal Yard (5,000 sq. m) in the Reclaimed Port Area.
- d. Walking Tracks, Play Grounds, etc. (4,000 sq. m).

10) In the future, a Township/Staff Quarters will be constructed in an earmarked Non-Processing Zone.

By considering the existing CRZ Notification 2011 Norms, FSA and FSI computations are as follows :

Plot Area between >500 m of HTL	:	7,79,700 sq.m
Plot Area between 200-500 m of HTL	:	6,37,600 sq.m
50% of Plot Area between 0-200 m of HTL	:	1,19,975 sq.m
Total Area for FSI calculation	:	15,37,275 sq.m
Building Area	:	65,600 sq.m
Floor Space Area coverage	:	4.27% (< 33%)
Proposed Builtup Area	:	31,500 sq.m
Floor Space Index	:	0.02 (<0.33)

The applicant indicated that the Proposed construction activities are fully in outside CRZ area and will confirm the DTCP Norms. The buildings Height in CRZ Area will be <9.0 m. Green Belt will be developed in an extent of 16.68 Ha (10.07% coverage) as per DTCP/SEZ development Norms. OSR Land will be maintained by the Developer VVM as per existing Norms for SEZ.

11) The Captive Port proposal is falling in the CRZ-I B (inter tidal zone), CRZ-III and CRZ IV. These are permissible activities under Paras 3 (iv), 3(v)(a), (c)., 4 (i) (a).

14) The Authority may consider.

AGENDA ITEM NO:10 Application No. 153/2015 in the matter of Thiru S. Athivel Versus TNSCZMA before NGT (SZ) Chennai regarding Construction of boat building centre at S.No. 864/2, Lakshmipuram village, Kalkulam Taluk, Kanyakumari district.

The applicant viz., Thiru S. Athivel of Ganapathipuram, Kanyakumari district has proposed to construct Boat building Centre at S.No. 864/2, Lekshmipuram village, Kalkulam Taluk, Kanyakumari district.

2) The applicant has submitted proposals to the District Coastal Zone Management Authority (DCZMA), Kanyakumari district at Nagercoil and the DCZMA has recommended the proposals to Tamil Nadu State Coastal Zone Management Authority in their 67th meeting held on 24.06.2015 for consideration. Based on the recommendation of the DCZMA, Kanyakumari district, the Convenor, DCZMA of Kanyakumari district at Nagercoil has sent the proposal on 16.07.2015 through his letter dated 29.06.2015 and the proposal has been received in this office on 17.07.2015. Along with the minutes of the meeting, the application form and a copy of land documents only been received from the DCZMA for Kanyakumari district.

3) The proposal was scrutinized and the applicant was requested to furnish the following documents in this office letter No. P1/1557/2015 dated 28.07.2015.

- a) Details in form-I with detailed project report.
- b) Topo sketch with construction drawings.
- c) HTL demarcation map from an authorized agency approved by GoI., duly superimposing the project features.
- d) EIA, Risk Assessment, Disaster Management and EMP reports on Marine and terrestrial components on the proposal.

4) In response to this office above letter dated 28.07.2015, the applicant has in his letter dated 13.08.2015 informed that the proposed project is only for the construction of a Fibre boat manufacturing shed in the site of 1477.16 sq.m. with the total building area occupying only 195.05 sq.m. The applicant further stated that any construction project which less than 20000 sq.m., of constructed area does not require

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any prior environmental clearance as per EIA Notification 2006 and the project is a very small project with the value of Rs.5 lakhs only to construct the boat building shed. The applicant further requested to grant CRZ Clearance based on the recommendations of DCZMA.

5) Along with the application has not furnished any information in his application and indicated that there is no solid waste generation during construction and operation, no release of pollutants, no noise and vibration, no risk of contamination of land or water from releases of pollutants, no risk of accidents and no environmental sensitivity with reference to his proposal.

6) To ascertain the applicant's above statement, the details viz., EIA, Risk Assessment, Disaster Management and EMP reports on Marine and terrestrial components on the proposal should be required as per para 4.2 of CRZ Notification 2011.

7) 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 as per CRZ Notification 2011, para 8 IV(b), in CRZ IV areas (water area) Pollution from oil and gas exploration and drilling, mining, boat house and shipping is prohibited activity.

As per para 8 III CRZ III (A) (I), the boat building yard is permissible activity only in 0 m to 200m from the HTL of sea.

8) In the meantime, the applicant has filed an application in the Hon'ble NGT (SZ), Chennai. The Hon'ble NGT in Application No. 153/2015, issued orders dated 19th March 2016, to consider the above proposals and pass appropriate orders in the manner known to law and such order shall be passed expeditiously in any event with in a period of eight weeks from the date of receipt of a copy of order. The order has been received in this office on 6th April 2016. The Hon'ble Court has indicated that the documents viz., EIA/ EMP etc; are applicable only when EIA is attracted and the project may be considered based on the HTL map available with the Department.

The Authority may consider.

AGENDA ITEM NO.11 Construction of Hospital at S.No. 293/1A1, Kottivakkam village, Chennai and bearing No. 110, Rajiv Gandhi Salai (OMR Road), Nehru Nagar, Kottivakkam, Chennai 600 041 proposed by M/s Iswarya Health Care

M/s Iswarya Health Care, Chennai have proposed for the Construction of Hospital at S.No. 293/1A1, Kottivakkam village, Chennai and bearing No. 110, Rajiv Gandhi Salai (OMR Road), Nehru Nagar, Kottivakkam, Chennai 600 041.

2) The MoEF., GoI have approved the Revised Coastal Zone Management Plan (CZMP) in Lr. No. J- 11011/18/96-IA-III dated 23.06.2000 and declared the areas which are falling in 100mts on both sides of Buckingham canal as CRZ-II. Accordingly the proposed site is falling in CRZ and the said project site is categorized as CRZ-II. As per CRZ Notification 2011, vide para 8 II CRZ II (ii) **buildings shall be permitted subject to the existing (as on 19.02.1991) local town and country planning regulations including the 'existing' norms of Floor Space Index or Floor Area Ratio as on 19.02.1991.**

3) As per CRZ Notification 2011, promulgated in supersession of CRZ Notification 1991, on 6th January 2011 vide para 1 (ii) CRZ shall apply to the land area between HTL to 100 mts or width of the creek whichever is less on the landward side along the tidal influenced water bodies.

4) However, as per the said CRZ Notification 2011 dated 06.01.2011, vide para 5 (xii)., the Coastal Zone Management Plans (CZMPs) already approved under CRZ notification, 1991 shall be valid for a period of twenty four months unless the aforesaid period is extended by MoEF. The MoEF, GoI have extended the period in Notification S.O. 1212(E) dated 22.03.2016. stating that the CZMPs already approved by the MOEF shall be used till 31st January 2017.

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5) Further as per CRZ Notification 2011, vide para 5 (x) of CRZ Notification 2011, **all developmental activities listed in this notification shall be regulated by the State Government, Union Territory Administration, the local authority or the concerned CZMA within the framework of such approved CZMPs as the case may be in accordance with provisions of this notification.**

6) Vide para 5 (vi) of CRZ Notification 2011, all the coastal States and Union Territory shall prepare draft CZMPs in 1:25,000 scale map identifying and classifying the CRZ areas within the respective territories in accordance with the guidelines given in the notification, which involve public consultation; Accordingly the revalidated HTL map in cadastral scale is awaited from the NCSCM, Chennai from 30.10.2014 and then the draft CZMPs have to be prepared, which will be sent to the District Administration /TNPCB for conducting public consultation.. The draft CZMP maps with the views of public in the consultation meeting will be submitted to the Tamil Nadu State Coastal Zone Management Authority and Government and on their approval the draft CZMP maps will be sent to MoEF., GoI for approval which will take some more time.

7) Hence the provisions of CRZ Notification 2011, can be implemented only after the approval of Revised CZMPs by the MoEF., GoI. Further as per the CRZ Notification 2011, the Competent Authorities are empowered to regulate activities only based on the existing approved CZMPs as indicated above vide para 5 (x) of CRZ Notification 2011.

8) In view of above provisions of CRZ Notification 2011, M/s Iswarya Health Care, Chennai shall be allowed to construct in the project site as per the Town and Country Planning rules and regulations as on 19.02.1991, as stated above, as per CRZ Notification 2011, vide para 8 II CRZ II (ii). In view of above rules and regulations, the applicant has been directed to submit application, in this office letter P1/2077/2013 dated 31.07.2014 for planning permission to CMDA in accordance with the provisions of para 8 II CRZ II (ii) of CRZ Notification 2011.

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9) However the applicant filed an application No.279/2013 in the Hon'ble NGT, South Zone at Chennai and obtained an order on 6th July 2015, where in the Hon'ble Court indicated that the CRZ Notification 2011, has been notified by the GOI in supersession of the earlier CRZ Notification 1991 and makes it very clear that the distance criteria between HTL must be either 100mts or width of the creek, which ever is less. Accordingly the Hon'ble NGT, SZ set aside the direction given by the Director of Environment in letter dated 31.07.2014 and issued direction to CMDA to consider the application of the applicant independently, without reference to the impugned order of Director of Environment, dated 31.07.2014 and pass appropriate orders in accordance with the law, within a period of four weeks from the date of presentation of the application by the applicant along with a copy of the Court order.

10) In view of the orders of the Hon'ble NGT, SZ., the Member Secretary, CMDA has requested to obtain clarification from the Tamil Nadu State Coastal Zone Management Authority by treating the site under reference falls outside CRZ (OR) examine following the CRZ-II guidelines.

11) Hence, as the Hon'ble Court has given direction to CMDA and the TNSCZMA has already delegated the powers to clear the construction proposals having built up area upto 20000sq.m., the CMDA may be requested to take action in accordance with the law and taking into consideration of amendment to Notification S.O.No. 1212 E dated 22.03.2016 (copy enclosed).

12) The Authority may consider.

AGENDA ITEM NO.12: Proposed construction of new residential building at S.No. 77/1C2A, Mandaikadu Village, Kalkulam Taluk, Kanyakumari district proposed by Mrs. V. Viju, Mandaikadu village, Kanyakumari.

The District Environmental Engineer, TNPCB Kanniyakumari has forwarded a proposal for the proposed construction of new residential building at S.No. 77/1C2A, Mandaikadu Village, Kalkulam Taluk, Kanyakumari district proposed by Mrs. V. Viju, Mandaikadu, Kanyakumari district.

2) The site is falling in CRZ-III within 200 to 500mts from the HTL of Sea as per the report of the DCZMA, Kanyakumari district. Project cost is Rs.10 lakhs. The total project site is 2178 sq.ft. and the applicant has proposed to construct only ground floor building of 933.40 sq.ft.

3) The Executive officer, Mandaikadu Town Panchayat has stated that the building has not yet been constructed and the site is falling on the landward side. He further stated that there is an existing building on the front side of the proposed site which has been assessed with tax for more than 30 years and there is a common pathway on the southern side of the existing building for the proposed building from Mandaikadu Main Road.

4) As per CRZ Notification 2011, vide para 8 III CRZ III (B) (vii) construction or reconstruction of dwelling units so long it is within the ambit of traditional rights and customary uses such as existing fishing villages and goathans. Building permission for such construction or reconstruction will be subject to local town and country planning rules with overall height of construction not exceeding 9mts with two floors (ground + one floor).

4) The Authority may consider.

AGENDA ITEM NO.13: proposed construction of reconstruction of residential building at S.No. 670/30A., Kanyakumari village, Agastheeswaram taluk, Kanyakumari district proposed by Thiru S.S. Rajan and 3 others.

The District Environmental Engineer, TNPCB Kanniyakumari has forwarded a proposal for the proposed construction of reconstruction of residential building at S.No. 670/30A., Kanyakumari village, Agastheeswaram taluk, Kanyakumari district proposed by Thiru S.S. Rajan and 3 others, Kanyakumari.

2) The site is falling in CRZ-II within 200 to 500mts from the HTL off Sea on the land ward side, as per the report of the DCZMA, Kanyakumari district. Project cost is below 5 crores. The total project site is 1197.90 sq.ft. and the applicant proposed to construct ground floor and first floor building with head room of 1190.17 sq.ft. The DCZMA, Kanyakumari district has reported that the building plan satisfies the provisions of Municipality building rules and the site is falling on the landward side. The DCZMA, Kanyakumari have recommended the proposals. The project cost is around 20 lakhs.

3) As per CRZ Notification 2011, vide para 8 II CRZ-II (i) (ii) and (iii), the Tamil Nadu State Coastal Zone Management Authority shall permit construction or reconstruction of buildings in CRZ-II areas on the land ward side of the existing road. As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 16th June 2015 as para 8 II CRZ-II (ii) " buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level.

4) The Authority may consider.

AGENDA ITEM NO.14: Any other issues with the permission of the Chair.

Sd/-xxxx
Dr. H. Malleshappa., I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd/-xxxx
Thiru Atulya Misra., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
Environment & Forests Dept., Chennai-9

**MINUTES OF THE 90th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY HELD ON 03.08.2016**

AGENDA ITEM NO.01: Confirmation of the Minutes of the 89th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 01.06.2016

The minutes of the 89th meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 01.06.2016 communicated in Letter No.P1/1044/2015 dated 06.06.2016 of the Director of Environment, were confirmed.

AGENDA ITEM NO.02: Report on the follow up action taken in respect of decisions taken during the 89th meeting of the TNSCZMA.

The Member Secretary briefed the members about the action taken by the Department of Environment on the decisions taken during the 89th meeting of the Tamil Nadu State Coastal Zone Management authority held on 01.06.2016.

AGENDA ITEM NO:03 Construction of Godown for storage of Export / Import cargoes in Chennai Port proposed by Chennai Port Trust.

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

- a) The construction materials and design of storage tank and pipelines should be in accordance with the standard specifications and norms.
- b) A continuous monitoring and adequate safety measures to tackle the consequences of leakage, overflow, if any, arising during the storage and transportation should be implemented.
- c) The sludge generated at the project area shall be handled properly and to be disposed safely.
- d) Adequate safety measures should be adopted preventing Oil spillages during storage as well as transport.

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- e) Adequate Green belt shall be developed and the green cover shall be extended to the vacant areas of the project site to the maximum extent possible.
- f) Mock drills must be carried out periodically along with Port Trust.
- g) The unit shall erect adequate barricades with fine mesh and screens along the boundary of the project site to control dust pollution caused during construction phase.
- h) The details on the proposed activities should be sent to CMDA for record.
- i) NoC from the Tamil Nadu Pollution Control Board shall be obtained.

AGENDA ITEM NO:04: Proposed construction of Fish Landing Centre at Kovalam in Kancheepuram district proposed by Fisheries Department.

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

- a) 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.
- b) A detailed report on the details of solid waste (Bio-degradable / non- degradable etc.,) generated and a proper plan for segregation at source shall be formulated. Organic Waste Converter (OWC) of adequate capacity shall be provided to dispose the biodegradable waste. Further other solid waste such as plastics may be collected and disposed for re-use.
- c) The Fishermen community shall be adequately educated on the segregation of solid waste for proper management of the solid waste.
- d) Only those facilities which are integral to the fish Landing Centres shall be provided in CRZ areas and those which are not integral to may be located outside the CRZ areas.
- e) No drawal of ground water in CRZ areas is permitted.

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- f) Adequate mitigation measures to be taken to prevent the Oil spillage and its adverse impact.
- g) Proper monitoring and management system to be prepared for handling Ammonia in the Ice Plants.
- 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) No road shall be formed in CRZ.
- k) Only those structures mentioned in the proposal and which are absolutely essential should be constructed. Soft solutions like providing geo-bags, geo-tubes shall be integrated with the hard structures.
- l) The proposed activity shall not cause hindrance to the nearby human settlements/ authorised structures and fishing activities
- m) Suitable management procedures for long-term maintenance of groynes shall be evolved and the maintenance cost for groynes should be ensured by the Fisheries Department.
- n) 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.

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AGENDA ITEM NO:05: Reconstruction and modernization of Mallipattinam Fishing Harbour at Kallivaiyal village, Pattukottai Taluk, Thanjavur district proposed by Fisheries Department.

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

- a) Only those structures mentioned in the proposal and which are absolutely essential for the fishing harbor shall be constructed.
- b) 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.
- c) A detailed report on the details of solid waste (Bio-degradable / non- degradable etc.,) generated be furnished and a proper plan for segregation at source shall be formulated. Organic Waste Converter (OWC) of adequate capacity shall be provided to dispose the biodegradable waste. Further other solid waste such as plastics may be collected and disposed for re-use.
- d) The Fishermen community shall be adequately educated on the segregation of solid waste for proper management of the solid waste.
- e) No drawal of ground water in CRZ areas is permitted.
- f) Adequate mitigation measures to be taken to prevent the Oil spillage and its adverse impact.
- g) 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.
- h) 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.

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- i) Turbidity model shall be made and sea grass restoration measures shall be planned accordingly.
- j) No road shall be formed in CRZ.
- k) Only those structures mentioned in the proposal and which are absolutely essential should be constructed. Soft solutions like providing geo-bags, geo-tubes shall be integrated with the hard structures.
- l) The proposed activity shall not cause hindrance to the nearby human settlements/ authorised structures and fishing activities
- m) Suitable management procedures for long-term maintenance of groynes shall be evolved and the maintenance cost for groynes should be ensured by the Fisheries Department.
- n) 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: proposed Foreshore Terminal Pipeline rerouting project from Foreshore Terminal to Royapuram Railway Station (RS) proposed by Indian Oil Corporation Limited.

The Authority resolved to recommend the proposal to the Ministry of Environment, Forests and Climate Change, Government of India subject to the following specific conditions:

- a) The unit shall ensure that the pipeline is designed and constructed by adhering to OISD (Oil Industry Safety Directorate) Code as applicable.
- b) The unit shall ensure that SCADA system as envisaged is provided for monitoring all the operational parameters and integrity of the pipe line.

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- c) The unit shall comply with the recommendations as suggested in the Rapid Risk Assessment Study Report as conducted by M/s.Vimta Labs Ltd., furnished to the Board.
- d) The unit shall comply with all the recommendations suggested in the Environment Management Plan both in the Construction and Operational Phase of the project done by M/s.Vimta Labs Ltd.,
- e) The unit shall ensure that an Environment Management Cell headed by a Project Manager is created and put in place in order to implement and to continue to maintain all measures suggested in the Environment Management Plan.
- f) The unit shall provide adequate sanitation for workers to be deployed in the pipe line rerouting project.
- g) The unit shall prepare Emergency Response and Disaster Management Plan (ERDMP) as per PNGRB (Petroleum & Natural Gas Regulatory Board) Regulations for the new pipeline rerouting project.
- h) The unit shall conduct a safety audit on the compliance of the safety measures adhered to as per OISD (Oil Industry Safety Directorate) Code through CISRA, CLRI, Chennai.
- i) The unit shall decommission and dismantle the existing pipe lines being utilised for transporting petroleum products by following the specific protocol .The pipelines shall be flushed to remove the residual product before carrying out the dismantling process.
- j) The unit shall display sign boards en-route of the rerouted pipeline at every 500 Meter intervals and at strategic locations to indicate the presence of the underground pipeline and the depth at which the pipelines are laid.

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- k) The unit shall obtain clearance from Southern Railway and other concerned authorities for laying of the three petroleum Product Pipeline in the railway land before commencement of the project.
- l) The unit shall furnish monthly report on the pipeline rerouting progress of the project to TNPCB.
- m) The unit shall ensure that no sensitive area is located within a radius of 10 km from the project site.
- n) The unit shall establish the facility only after obtaining the Consent to Establish from Tamil Nadu Pollution Control Board.

AGENDA ITEM NO.07: Construction / reconstruction / repairing in Harichandranathi, Adappar, Vellaiyar, Pandavayar, Valavanar and Vedharanyam Canal in Keevalur, Nagapattinam, Vedaranyam and Thirukkuvalai Taluks of Nagapattinam District proposed by the PWD.

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

- a) The proposed activity shall not cause hindrance to the fishing and allied activities.
- b) Only those structures mentioned in the proposal shall be repaired /constructed.
- c) The concrete mix proposed for downstream cut off wall may be changed as M30 as per IS 456-2000 as the structures are come under severe environmental exposure conditions.
- d) Stainless steel structures should be used in the grade of 310 L.
- e) The shutters should be properly protected by suitable metalizing process.
- f) Painting should be done immediately after erection of shutters as per IS 14177:1994 (guidelines for painting systems for hydraulic gates and hoist) indicated by the IIT, Madras.
- g) All the suggestions indicated by the IIT, Madras in their technical opinion should be adhered.

.8.

AGENDA ITEM NO:08: Proposed residential complex - development in the place of existing building / structures by Coromandel International Limited to cater the needs of working personel at Ernavur village, Thiruvottiyur Taluk, Thiruvallur district.

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

- a) The proposed constructions should conform 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.
- b) Planning Permission shall be obtained from the Chennai Metropolitan Development Authority.
- c) Environmental Clearance shall be obtained under EIA Notification 2006 from the State Environmental Impact Assessment Authority.
- d) Consent for Establishment, from Tamil Nadu Pollution Control Board should be obtained.
- e) There should not be any ground water extraction in CRZ.
- f) Solid Waste Management Plan should be formulated and to be implemented without depending wholly on Corporation of Chennai for this purpose.
- g) STP should be designed with Ultra Filtration.
- h) Green belt development shall be implemented as proposed in the proposal in consultation with Forest Department and should include list of trees, shrubs and herbs to be planted.
- i) Instead of Storm Water drain, adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- j) Adequate funding shall be provided for CSR activities.

AGENDA ITEM No:09: Proposed Specific (Mineral based) SEZ including Captive (Minor) Port at Thrivambalapuram village, Radhapuram taluk, Tirunelveli district proposed by V.V. Mineral, Tisaiyanvilai., Tirunelveli district.

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

- a) There should not be any mining of rare minerals in the project site.
- b) Shoreline evolution due to the littoral drift on either side of the project site, along the coast, should be monitored continuously through reputed institution and proper remedial action should be taken on the event of any adverse impacts.
- c) The project activity should not affect the coastal ecosystem including marine flora and fauna. As the project area is located near to ecology sensitive features, the activities under Corporate Social Responsibility should be refined and addressed more effectively and the allocation should be given more for preserving ecology.
- d) Untreated or partially treated wastewater should not be discharged into sea.
- e) There shall not be any spillage of oil, petrol/diesel in the sea due to the construction activities or due to post construction activities.
- f) Solid Waste generated should be properly disposed at outside CRZ areas & Solid Waste Management should be done as directed by Tamil Nadu Pollution Control Board
- g) Only those activities and structures mentioned in the proposal should be constructed.
- h) There should not be any extraction of ground water in CRZ area.
- i) The Project should not in any way affect the fishing activities and also should not hinder the livelihood of the Fishermen.
- j) As indicated in the project proposal the following items/ activities should be outside CRZ areas.

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- i) Heavy Mineral Processing Plants.
 - ii) Standby DG House, Workshops, Rest Houses, Admin. Buildings, custom house, weigh bridge, R&D Testing labs, cafeteria, fuel station, orientation/training center, conference hall, fire station.
 - iii) Common Effluent Treatment Plant, Sewage Treatment Plant
 - iv) Administrative Office
 - v) Township / quarters.
- k) Environmental Clearance under EIA Notification should be obtained from the SEIAA.
- l) NoC from the Tamil Nadu Pollution Control Board should be obtained.

AGENDA ITEM NO:10 Application No. 153/2015 in the matter of Thiru S. Athivel Versus TNSCZMA before NGT (SZ) Chennai regarding Construction of boat building centre at S.No. 864/2, Lakshmipuram village, Kalkulam Taluk, Kanyakumari district.

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

- a) There should not be any boat dismantling/breaking activities.
- b) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- c) No drawal of ground water in CRZ areas.
- d) As indicated in the application it should be ensured that there should not be any pollutants and no risk of contamination of land or water due to the project activities.
- e) It should be ensured that no risk of accidents and no environmental degradation due to the project activities.
- f) NoC from the Tamil Nadu Pollution Control Board should be obtained before commencing the project activities.

AGENDA ITEM NO.11 Construction of Hospital at S.No. 293/1A1, Kottivakkam village, Chennai and bearing No. 110, Rajiv Gandhi Salai (OMR Road), Nehru Nagar, Kottivakkam, Chennai 600 041 proposed by M/s Iswarya Health Care

The Ministry of Environment, Forests and Climate Change (MoEF&CC) , Government of India have extended the period validity of existing Coastal Zone Management Plans (CZMP), by stating that the CZMPs already approved by the MOEF&CC shall be used till 31st January 2017 in Notification S.O. 1212(E) dated 22.03.2016

As the Hon'ble Court has given direction to CMDA and the TNSCZMA has already delegated the powers to clear the construction proposals having built up area upto 20000sq.m., the Authority resolved to request the CMDA to take action in accordance with the law and taking into consideration of above said amendment to CRZ Notification 2011 in S.O.No. 1212 E dated 22.03.2016.

AGENDA ITEM NO.12: Proposed construction of new residential building at S.No. 77/1C2A, Mandaikadu Village, Kalkulam Taluk, Kanyakumari district proposed by Mrs. V. Viju, Mandaikadu village, Kanyakumari.

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

- a) The proposed constructions should conform to the local town and country planning regulations as modified from time to time (i.e., as on date) except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level.
- b) Planning permission should be obtained for the proposed constructions from the local authorities concerned.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.13: proposed construction of reconstruction of residential building at S.No. 670/30A., Kanyakumari village, Agastheeswaram taluk, Kanyakumari district proposed by Thiru S.S. Rajan and 3 others.

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

- a) The proposed constructions should conform to the local town and country planning regulations as modified from time to time (i.e., as on date) except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level.
- b) Planning permission should be obtained for the proposed constructions from the local authorities concerned.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

Sd./- xxxxxxxx
Dr. H. Malleshappa., I.F.S.
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd./- xxxxxxxx
Thiru Atulya Misra., I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
Environment & Forests Dept., Chennai-9