

89th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 01.06.2016

Time: 03.00 P.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 -
89th MEETING**

Date & Time:

01.06.2016 - 03.00 P.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 88th meeting of the
Tamil Nadu State Coastal Zone Management Authority held
on 15.02.2016.**

The 88th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 15.02.2016 and the minutes were communicated in letter no. P1/1044/2015 dated 18.02.2016 (Copy enclosed) of Director of Environment. It may be confirmed.

**MINUTES OF THE 88th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY HELD ON 15.02.2016**

AGENDA ITEM NO.01: Confirmation of the Minutes of the 87th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 14.01.2016.

The minutes of the 87th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 14.01.2016 communicated in Letter No.P1/1044/2015 dated 19.01.2016 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 87th 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 87th meeting of the Tamil Nadu State Coastal Zone Management authority held on 14.01.2016.

AGENDA ITEM NO.3 Quantifying the carbon sequestering potential of coastal Eco system of Tamil Nadu - Discussion and deliberation.

The Authority deferred the matter to the next meeting for discussions.

AGENDA ITEM NO.4 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 requested IIT Madras to complete the task on priority basis at the earliest on or before 31st March 2016, as the said plan is to be submitted before the Hon'ble Court (NGT-SZ).

AGENDA ITEM NO:05 **Destruction of Mangroves in CRZ area at Athipattu, Tiruvallur District published in "The Hindu" under the heading "Ennore Fishermen Protest - 'destruction of Mangroves' " - regarding.**

The Authority resolved to direct the Environment Engineer, TNPCB/Convener, District Coastal Zone Management Authority to issue necessary instructions to the Ennore Kamarajar Port Trust to stop the works in the disputed sites until further orders.

AGENDA ITEM NO.06 **Offering Spill response capability to coastal states from centralized stockpile of such specialized resources-Power point presentation by the Director, AlphaMers Ltd., Bangalore.**

The Authority appreciated the presentation by the Director, AlphaMers Ltd., on the oil spill response capabilities and adaptive measures on the event of Oil Spills during disasters especially in the ecological sensitive areas. The Authority resolved to refer the plan to the Department of Revenue Administration to consider under Coastal Disaster Risk Reduction Projects (CDRRP).

AGENDA ITEM NO.7 **Proposed laying of pipeline for the transfer of Edible oil from Chennai Port to storage terminal and establishment of storage transit terminal at old S.No. 4061 and new S.No. 4061/A & 4061/2 in Ennore Express way (Door No. 1,2 &3 Suriyanarayana street), Tondiarpet village and Taluk of Chennai district proposed by M/s. KTV Health Food Private 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) Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
- b) There should not be any extraction of ground water in CRZ.
- c) The project activity should not affect the coastal ecosystem including marine flora and fauna.

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- d) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
- e) The construction of storage tanks shall satisfy the prescribed standard norms.
- f) Any further activity should be carried out in the above site, only with the prior approval of the competent authorities.
- g) The storage tanks should be used for the storage of edible oil and Non hazardous substances only.
- h) 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 and as well as transit points.

AGENDA ITEM NO.8

Proposed sub-division of land falling in S.No. 92/243A1A, 92/273 of Neelankarai village, Kancheepuram district proposed by Thiru A R. Madanagopal, Chennai.

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

- a) Sub-division approval should be obtained duly from the Corporation of Chennai.
- b) Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and 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.
- c) Constructions should be made only on the landward side of the existing Peria Neelankarai Kuppam streets or on the landward side of existing roads/ authorized structure which are available on 19.02.1991.
- d) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.

- e) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- f) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.9

Proposed sub division of the residential property at S.Nos. 224/5A2B & 224/5A2A2 Kottivakkam village, Shollinganallur Taluk, Kancheepuram district proposed by Thiru A. Anjaiah - regarding.

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

- a) Sub-division approval should be obtained duly from the Corporation of Chennai.
- b) Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and 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.
- c) Constructions should be made only on the landward side of the existing road which are available on 19.02.1991 or on the landward side of the Tamil Nadu Housing Board Mullai & Marutham Apartments.
- d) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
- e) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- f) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.10

Proposed sub-division of land falling in S.No. 225/6A.,6B, 6C, 6D, 225/5B, 5C, 5D, 5E of Kottivakkam village Corporation of Chennai Division No. 18 (Zone 14) proposed by Thiru Allu Aravind Babu, Chennai.

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

- a) Sub-division approval should be obtained duly from the Corporation of Chennai.
- b) Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and 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.
- c) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure which are available on 19.02.1991.
- d) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
- e) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- f) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.11

Proposed layout of land falling in R.S. Nos. 74/84B & 74/84C of Neelankarai village, Sholinganallur Taluk, Kancheepuram district within the Corporation limits of Chennai zone - XV Div. 192 - proposed by M/s. K. Shivashankar, Chennai regarding.

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

- a) Layout approval should be obtained duly from the CMDA.

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- b) Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and 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.
- c) Constructions should be made only on the landward side of the existing Singaravelan 7th cross street, Neelankarai or on the landward side of existing authorized structure which are available on 19.02.1991.
- d) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.
- e) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- f) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO.12 **Proposed construction of commercial building at S.No. 647/2A., Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district proposed by Thiru W. Kalaiselvan & P. Padma, Chennai.**

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) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment.

- d) Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- e) 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: Construction of 45 MLD TTRO Plant at Kodungaiyur by CMWSSB, Discharge of reject to Buckingham Canal, laying of conveying main along berm of Buckingham Canal and conveying main crossing over pipe carrying bridge along Ennore Creek - regarding.

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) CMWSSB may explore the possibilities of providing alternative primary membrane treatment of sewage water with the adoption of latest methods.
- c) 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.
- d) A plan for the continued long term monitoring of quality/ characters of the treated water shall be developed and implemented.
- e) The CMWSSB shall obtain Consent to Establish from TNPCB for the proposed 45 MLD TTRO plant proposed at Kodungaiyur.
- f) The stilts or pillars should be erected across the Ennore creek without affecting the hydraulic flow of water.

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- g) Necessary approval from the Indian Waterways Authority specifically with reference to the design, height, soffit level etc. of the bridge.
- h) In the construction operation at Ennore creek, due to the use of machineries, heavy noise will be generated. The Specific plan of the noise prevention and control measures should be furnished.
- i) There shall be no extraction of ground water.
- j) No liquid or solid waste shall be generated and disposed off in CRZ.
- k) No blasting activities in CRZ are permissible.
- l) Proper arrangements should be made for the disposal of solid wastes generated in the project area then and there.
- m) Under Corporate Social Responsibility, explore the possibilities of allocation of more funds for preserving ecology and environment., especially to Pulicat Wild Life Sanctuary.

AGENDA ITEM NO.14 Integrated Cooum River Eco- restoration project in Chennai proposed by CRRT, Chennai - regarding.

The Authority resolved to request CRRT to furnish the following details:

- a) Flood Plan including flood modelling for the river to be prepared and implemented on the event of any heavy rain fall to mitigate the adverse impacts. Validate the flood modelling and flood plan to the recent floods.
- b) Specific details on the project components, which are proposed to be executed by the PWD.
- c) List of Associates of Mangroves and native species to be planted should be furnished.

AGENDA ITEM NO.15 Proposed Modernization of foundry division and capacity enhancement of Ferrous castings (melting capacity from 2790 TPM to 10400 TPM & production capacity from 33,500 MTA to 73,500 MTA) at S.No. 39A & 39 B, Kathivakkam village, Ambattur Taluk, Thiruvallur District by Hinduja Foundries Limited.

The Authority resolved to recommend the proposal to the State Environmental Impact Assessment Authority (SEIAA) subject to the following specific conditions:

- i) The unit shall furnish an undertaking to install only 5 Nos. of induction furnaces for the purpose of modernization activity (i.e) 3 Tons capacity - 2 Nos., & 5 Tons capacities - 3 Nos., which are essential for the operation of existing capacity.
- ii) The unit shall ensure that the power consumption per ton of product produced during modernization activity shall be lesser than the existing process equipments.
- iii) The unit shall ensure that the pollution load in respect of wastewater generation, sewage generation, Air pollution and solid waste is reduced due to the modernization activity.
- iv) Under Corporate Social Responsibility, Pulicat Wild Life Sanctuary can be taken into account and to contact Wildlife Warden, Chennai to do some works in the above area.

Addl. AGENDA ITEM NO: 16-01: Study Tour of coastal areas for the staff members of Environment & Forests Department.

The Authority resolved to permit the Member Secretary, TNSCZMA to release Rs.1,25,000/- (Rupees One Lakh Twenty Five Thousand only) from the State Coastal Zone Management Fund to conduct the field experience training programme through the Joint Secretary to Government, Environment and Forests Department.

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ADDL. AGENDA ITEM NO: 16-02:

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 - invitation to visit Australia regarding.

The Authority resolved to depute the Principal Secretary to Environment and Forests, Government of Tamil Nadu and Director, Department of Environment, Government of Tamil Nadu to visit to the National Headquarters for the Great Barrier Reef Marine Park Authority, located in Townsville, Far North Queensland, Australia. The Authority also resolved to permit the Member Secretary, TNSCZMA to incur a sum of Rs.10 lakhs (Rupees ten lakhs only) to meet out the expenditures in respect of the above visit from the State Coastal Zone Management Fund.

ADDL. AGENDA ITEM NO.16- 03:

CRZ- National Workshop on capacity Building for combating wildlife crime in India - financial assistance requested regarding.

The Authority resolved to permit the Member Secretary, TNSCZMA to release Rs.2,00,000/- (Rupees Two Lakhs only) from the State Coastal Zone Management Fund to the Additional Principal Chief Conservator of Forests, Tamil Nadu Forest Academy, Coimbatore to meet out expenditures incurred in connection with the above National workshop.

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

AGENDA ITEM NO.02: The action taken on the decisions of 88th meeting of the Authority held on 15.02.2016 are given below:

SI. No	subject	Action taken
01	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 IIT, Chennai has furnished draft report on 31.03.2016 and the final report is awaited.
03	Destruction of Mangroves in CRZ area at Athipattu, Tiruvallur District published in "The Hindu" under the heading "Ennore Fishermen Protest - 'destruction of Mangroves' " - regarding.	The District Coastal Zone Management Authority has been directed in Ir. No. P1/2591/2015 dated 19.02.2016 to issue necessary instructions to the Ennore Kamarajar Port Trust to stop the works in the disputed sites until further orders.
04	Oil Spill response capability to coastal states from centralized stockpile of such specialized resources-Power point presentation by the Director, AlphaMers Ltd., Bangalore.	As resolved the plan has been referred in Ir. No. 2068/2015/P1 dated 08.03.2016 to the Department of Revenue Administration to consider under Coastal Disaster Risk Reduction Projects (CDRRP).
05	Proposed laying of pipeline for the transfer of Edible oil from Chennai Port to storage terminal and establishment of storage transit proposed by M/s. KTV Health Food Private Limited.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/1555/2015 dated 17.02.2016.
06	Proposed sub-division of land falling in S.No. 92/243A1A, 92/273 of Neelankarai village, Kancheepuram district proposed by Thiru A R. Madanagopal, Chennai.	As resolved Clearance has been issued in pro. No. P1/2469/2014 dated 19.02.2016.
07	Proposed sub division of the residential property at S.Nos. 224/5A2B & 224/5A2A2 Kottivakkam village, Shollinganallur Taluk, Kancheepuram district - proposed by Thiru A. Anjaiah.	As resolved Clearance has been issued in pro. No. P1/1986/2015 dated 19.02.2016.

08	Proposed sub-division of land falling in S.No. 225/6A, 6B, 6C, 6D, 225/5B, 5C, 5D, 5E of Kottivakkam village Corporation of Chennai Division No. 18 (Zone 14) proposed by Thiru Allu Aravind Babu, Chennai.	As resolved Clearance has been issued in pro. No. P1/985/2015 dated 19.02.2016.
09	Proposed layout of land falling in R.S. Nos. 74/84B & 74/84C of Neelankarai village, Sholinganallur Taluk, Kancheepuram district within the Corporation limits of Chennai zone - XV Div. 192 - proposed by M/s. K. Shivashankar, Chennai regarding.	As resolved Clearance has been issued in pro. No. P1/101/2016 dated 19.02.2016.
10	Proposed construction of commercial building at S.No. 647/2A., Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district proposed by Thiru W. Kalaiselvan & P. Padma, Chennai.	As resolved Clearance has been issued in pro. No. P1/042/2015 dated 19.02.2016.
11	Discharge of reject to Buckingham Canal, laying of conveying main along berm of Buckingham Canal an conveying main crossing over pipe carrying bridge along Ennore Creek proposed by CMWSSB.	As resolved proposal has been sent to Environment and Forests Department, GoTN for taking further action in letter No. P1/040/2015 dated 17.02.2016.
12	Integrated Cooum River Eco-restoration project in Chennai proposed by CRRT, Chennai.	As resolved in the circulation agenda dated 03.03.2016, proposal has been sent to Environment and Forests Department, GoTN for taking further action in letter No. P1/172/2015 dated 03.03.2016.
13	Proposed Modernization of foundry division and capacity enhancement of Ferrous Kathivakkam village, by Hinduja Foundries Limited.	As resolved Clearance has been issued in pro. No. P1/544/2015 dated 19.02.2016.
14	Study Tour of coastal areas for the staff members of Environment & Forests Department	As resolved financial assistance has been released in Ir. No. P1/113/2016 dated 19.02.2016.
15	CRZ- National Workshop on capacity Building for combating wildlife crime in India - financial assistance requested regarding.	As resolved financial assistance has been released in Ir. No. P1/327/2016 dated 26.02.2016.

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 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 Naluedapathy 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, Pandavanar and the Vedaranyam Canal** are included in the project for improvement and modernization. The project activities include construction, reconstruction and repairs of

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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.

Pandavayar River

From LS 109.270 Km to 148.020 Km in Thiruvarur Taluk of Thiruvarur District and Kivelur 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, 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 Authority may consider.

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 Chennai Metro water supply and sewerage board has proposed to construct a 6MLD sewage treatment plant at S.No. 45/1, Navalur village, Thiruporur Taluk, Kancheepuram district and the treated sewage is proposed to be conveyed through pipeline and to be disposed in to the Buckingham canal located at a distance of 300m. The area of the proposed STP is falling out side CRZ. However, 100mts length of the proposed pipeline is falling in CRZ -III and water area of the Buckingham canal is categorized as CRZ-IV. It is proposed that the sewage collected in IT corridor OMR of South Chennai and part of Chennai will be treated at the proposed 6MLD plant and the effluent will be discharged into Buckingham canal. Total project cost is Rs.605.50 lakhs.

2) The District Coastal Zone Management Authority, Kancheepuram district in the meeting held on 22.09.2015 has recommended the project to the Tamil Nadu State Coastal Zone Management Authority subject to the following conditions:

- i) CMWSSB should provide stability to the out fall system even during cyclonic conditions - appropriate anchors shall be provided.
- ii) The pipelines shall not cause any hindrance to the movement of the local communities including fishermen.
- iii) A continuous and comprehensive post project water quality monitoring programme shall be taken up. This shall include monitoring of water quality and biological characteristics.
- iv) It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.
- v) The marine biodiversity shall be monitored and the report submitted twice in a year to the MoEF&CC/ TNPCB.
- vi) The pipelines should not disturb the movement of fishing vessels or fishermen.

vii) The construction of any structures in CRZ shall not exceed the height of 9 mts.

3) Discharge of untreated waste and effluents from industries, cities or towns and other human settlements in CRZ is only prohibited activity as per para 3 (vi) of CRZ Notification 2011. However the activities, referred in the proposal, require clearance from the Ministry of Environment, Forests and Climate Change, GoI as per para 4 (ii) (d) of CRZ Notification 2011.

4) The Authority may consider.

AGENDA ITEM NO.05 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.

The Indian Rare Earth Limited, Manavalakurichi, Kanniyakumari district has forwarded TWO proposals for the Mining of Rare minerals in mining lease area of 7.06 hectares and 141.22 hectares at Manavalakurichi village and Manavalakurichi, Lakshmipuram, Colachel villages of Kalkulam taluk in Kanniyakumari district., respectively.

2) As per the decision of the Authority, in the 74th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.10.2013, the proposals have been sent to the Ministry of Environment, Forests & Climate Change, GoI for clearance under CRZ Notification 2011. Among other things, the following condition has been imposed for the above tow projects:

"There should not be any mining in CRZ-I (B) areas.,i.e.,in the inter-tidal zone".

3) The Indian Rare Earth Limited has informed to the Ministry of Environment., GoI that their major portion of mining lease area falls under inter-tidal zone and major concentration is available in the inter - tidal zone only and also CRZ Notification does not restrict mining of rare minerals in inter-tidal zone. The proposal was discussed in the meeting of Environmental Appraisal Committee for CRZ, GOI held on 24.01.2014 at New

Delhi, wherein, the committee advised MoEF to seek the necessary clarification from TNSCZMA on the subject matter.

4) The MoEF., GoI have indicated the above facts and requested necessary clarifications on the stand taken by the TNSCZMA in the above matter.

5) In this connection, it is submitted that as per CRZ Notification vide para 3 (x) mining of rare minerals which are not available outside CRZ areas is permissible activity. However, the said activity is not a permissible activity in CRZ-I B i.e., inter tidal zone but permissible only in CRZ-III vide para 8 III CRZ III A (iii) (c) of CRZ Notification 2011. Further vide para 4 (ii) (g) of the said Notification the proposal requires clearance from the MoEF, GoI. It is also informed that in the Environmental Clearances issued earlier, with reference to the mining of rare minerals in the Southern Coastal Districts of Tamil Nadu, the MoEF, GOI have specifically instructed that no mining should be carried out in the intertidal area.

6) The above details were placed before the 78th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 21.07.2014 and the Tamil Nadu State Coastal Zone Management Authority **resolved:**

"to request the Ministry of Environment and Forests, GoI to issue necessary clarifications whether mining of rare minerals which are not available outside CRZ areas, can be mined in inter-tidal zone areas {(i.e., CRZ-I (B))} and also in CRZ-III areas between 200mts and 500mts from the HTL, as per CRZ Notification 2011 so as to offer the views of the Authority to GoI on the project".

8) Accordingly the MoEF&CC, GOI has been requested to clarify on the above issue, in letter dated 05.08.2014 for taking further action in this matter. In response to the above said request, the MoEF&CC, GoI has forwarded, in their letter dated 11th April 2016, the following opinion obtained from the Ministry of Law and Justice:

"An analysis of above provisions clearly reveal that mining of rare minerals is not a prohibited activity even in NDZ. Para - 8, of the Notification dated 06.01.2011 basically deals with the matter related to construction and development activities. Therefore, it appears that mining of those related minerals not available outside the CRZ area is a permissible activity even within the area between LTL and HTL subject to regulation made in this regard and clearances from the MoEF as indicated in the Notification dated 06.01.2011"

9) Further, the MoEF&CC., GoI have requested to re-examine the proposal on merits vis-à-vis opinion of the Ministry of Law and Justice, and for recommending to the concerned Authorities as per the Provisions of the CRZ Notification 2011.

10) No specific provision is available for Mining of rare minerals in inter-tidal zone areas {(i.e., CRZ-I (B))} and also in CRZ-III areas between 200mts and 500mts from the HTL, as per CRZ Notification 2011. Hence at the first instance the MoEF&CC, may be requested to issue suitable amendments in CRZ Notification 2011, permitting mining in the above said areas based on the opinion of the Ministry of Law and Justice. On receipt of the said amendment, the TNSCZMA may take decision on the issue.

The Authority may consider.

AGENDA ITEM NO:06 **Final report on "Comprehensive Shoreline Protection Management Plan for the Tamil Nadu Coast" prepared as per the direction of the Hon'ble National Green Tribunal by IIT, Chennai.**

On the Application No. 4/2013 filed by Thiru O. Fernandes regarding the construction of shoreline protection structures by the PWD and other agencies, the Hon'ble NGT (SZ) on 17.08.2015 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. In this connection the PWD was requested by the Department of Environment to prepare the said plan as requested by the NGT.

2) As resolved in the 86th meeting held on 30.09.2015, the work was entrusted to Prof. V. Sundar, IIT Madras and Prof. V. Sundar, IIT Madras has submitted the Inception Report on 21.01.2016. He also made a power point presentation on the status report on the preparation of comprehensive shoreline management plan to the Members of the Tamil Nadu State Coastal Zone Management Authority in the 88th meeting held on 15.02.2016.

3) Prof. V. Sundar, IIT Madras has submitted the draft final report on 31.03.2016 and a presentation on the draft final report on the preparation of comprehensive shoreline management plan was made by Prof. V. Sundar, IIT Madras on 13.04.2016 to the stakeholders viz., senior level officials of PWD, Fisheries and Forests Department. The views and suggestions will be included, if considered fit, in the final report.

4) Now Prof. V. Sundar, IIT Madras has furnished Final report and a Power point presentation on the final report on the comprehensive shoreline management plan is made by Prof. V. Sundar, IIT Madras to the members of the Authority. The final report may be approved.

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 13th International Coral Reef Symposium is to be held in Honolulu, Hawaii, USA during 19th to 24th June 2016. The International Coral Reef Symposium (ICRS) is a major scientific congress for reef researchers, managers and administrators, held every four years and is a tremendous opportunity to share knowledge and learn about the cutting edge of new marine research, conservation and management.

2) The Convener of the 13th ICRS Dr. Robert H. Richmond, in his letter dated 5th April 2016, has invited a delegation to participate in the above symposium as Tamil Nadu has taken proactive steps to protect the coral reef ecosystem in Gulf of Mannar through implementing various schemes like coral rehabilitation, monitoring coral health issues, managing exotic seaweed invaded coral areas, eco-developmental activities especially providing alternate employment to marine resource dependent communities etc.,

3) The State has identified Coastal Area Management as the priority sector, since coastal ecosystems are the most productive and highly threatened ecosystems of the world. Tamil Nadu is the forerunner in implementing proposals under the National Adaptation Fund in the Coastal Area Management Sector. In view of above, to implement the projects in the Coastal Areas in a better way, it is proposed that a team consisting of Thiru Hans Raj Verma., IAS., Principal Secretary to Government/Chairman, Tamil Nadu State Coastal Zone Management Authority and Dr. H. Malleshappa. IFS., Director of Environment/Member Secretary, Tamil Nadu State Coastal Zone Management Authority may participate in the 13th International Coral Reef Symposium, to be held in Honolulu, Hawaii, USA during 19th to 24th June 2016.

4) The Authority has approved the above participation through circulation agenda dated 27.04.2016 and also permitted the Member Secretary, TNSCZMA to incur a sum of Rs.10 lakhs (Rupees ten lakhs only) to meet out the expenditures towards participation fees, expenditure towards the visit and other logistics in respect of the above visit from the State Coastal Zone Management Fund.

5) The above details are furnished for the information of the Authority.

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 Director of Heritage International and Governance, 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 has acknowledging the initiatives for protecting the coral reefs of the Gulf of Mannar in Tamil Nadu, has invited representatives of the Environment and Forests Department for a visit to the National Headquarters for the Great Barrier Reef Marine Park Authority, located in Townsville, Far North Queensland, Australia.

2) As resolved in the 88th meeting of the Tamil Nadu State Coastal Zone Management Authority, held on 15.02.2016, to implement the projects in the Coastal Areas in a better way, a delegation consisting of the Chairman, TNSCZMA/Principal Secretary to Government, Environment and Forest Department, the Member Secretary, TNSCZMA/Director of Environment, the Director, SDMRI have visited Australia between 14th March and 18th March, 2016.

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3) In continuation of their visit to take follow up actions on technical issues, Dr. Jayanthi.M., IFS., Additional Director of Department of Environment and Tmt. Jayashree Vencatesan, Member, TNSCZMA may be deputed to visit to the National Headquarters for the Great Barrier Reef Marine Park Authority, located in Townsville, Far North Queensland, Australia.

4) The Authority has approved the above visit through circulation agenda dated 27.04.2016 and also permitted the Member Secretary, TNSCZMA to incur a sum of Rs.8,00,000/- (Rupees Eight lakhs only) to meet out the expenditures in respect of the above visit from the State Coastal Zone Management Fund.

5) The above details are furnished for the information of the Authority.

AGENDA ITEM NO.09: Any other issues with the permission of the Chair.

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

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

**MINUTES OF THE 89th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY HELD ON 01.06.2016**

AGENDA ITEM NO.01: Confirmation of the Minutes of the 88th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 15.02.2016.

The minutes of the 88th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 15.02.2016 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 of 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, Lakshmipuram 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, prioritised and the details of erosion control measures with reasons for soft structures/ hard structures.
- 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.

Further the Authority authorized the Member Secretary, TNSCZMA to send the final 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.

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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./- xxxxxxxx

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

Sd./- xxxxxxxx

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