

# 88<sup>th</sup> MEETING

## TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 15.02.2016

Time: 03.00 P.M.

Venue:

Chamber of the Principal Secretary to  
Government,

Environment and Forests Department,  
7<sup>th</sup> floor, Secretariat,

Chennai - 600 009

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**THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY -  
88<sup>th</sup> MEETING**

**Date & Time:**

**15.02.2016 - 03.00 P.M.**

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

**AGENDA ITEM NO.01: Confirmation of the minutes of the 87<sup>th</sup> meeting of the  
Tamil Nadu State Coastal Zone Management Authority held  
on 14.01.2016.**

The 87<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 14.06.2016 and the minutes were communicated in letter no. P1/1044/2015 dated 19.01.2016 (Copy enclosed) of Director of Environment. It may be confirmed.

**MINUTES OF THE 87<sup>th</sup> MEETING OF THE TAMIL NADU STATE COASTAL ZONE  
MANAGEMENT AUTHORITY HELD ON 14.01.2016**

**AGENDA ITEM NO.01: Confirmation of the Minutes of the 86<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.09.2015.**

The minutes of the 86<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 30.09.2015 communicated in Letter No.P1/1044/2015 dated 07.10.2015 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 86<sup>th</sup> 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 86<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management authority held on 30.09.2015.

**AGENDA ITEM NO:03 Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by Suganthi Devadason Marine Research Institute, Thoothukudi - Phase I Pilot project - review on the progress of work.**

The Director, SDMRI made a power point presentation on the progress of work to the Members of the TNSCZMA. The Authority appreciated the works done by the SDMRI and suggested the following:

- a) The AR modules should be developed as per the specification indicated by the IIT Madras based on the wave modeling and also deployed in the designated area.
- b) to engrave serial numbers in the Artificial Reefs and name of the Department of Environment.
- c) to furnish the details of latitude and longitude with reference to each AR modules deployed in the Sea.

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- d) Project will be completed by Jan'2016.
- e) The change in Bathymetry especially in 100 mtrs. GRID has to be evaluated.
- f) Since SDMRI has already completed the substrate construction and deployment of coral rehabilitation works, the Director of SDMRI should ensure the monitoring to assess the status of the substrates and corals installed in the project site periodically and is requested document so as to assess the development and also for comparison.

**AGENDA ITEM NO:04**      **Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by Suganthi Devadason Marine Research Institute, Thoothukudi - Phase II - Status Report regarding.**

The Authority took note of the Status Report. It placed on record the appreciation of the good work done by the Director of Environment and his team. The Authority directed the Director of Environment to complete the above project expeditiously following due procedure and also directed to document the above project work as a case study and present the same in appropriate national / international fora.

**AGENDA ITEM NO:05**      **Construction of shoreline protection structures by the Public Works Department and other agencies - the preparation of comprehensive shoreline protection management plan / Scheme for the coast of Tamil Nadu as per the direction of National Green Tribunal (SZ) - status report regarding.**

The Authority resolved to permit the Member Secretary to Tamil Nadu State Coastal Zone Management Authority to release to IIT, Madras a sum of Rs.50,60,000/- (Rupees Fifty lakhs and Sixty Thousand only) plus applicable service taxes., towards the preparation of comprehensive shoreline management plan., from the State Coastal Zone Development Fund. A presentation may be made by Prof. V. Sundar,IIT Madras during the next meeting.

**AGENDA ITEM NO.06 Proposed Construction of 150 MLD sea water reverse osmosis desalination plant at Nemelli village, Thiruporur taluk, Kancheepuram distict proposed by Chennai Metropolitan Water Supply & Sewerage Board, Chennai - Clearance under CRZ Notification 2011.**

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 proposed activities should not cause coastal erosion and alter the beach configuration.
- b) Untreated chemical waste generated due to membrane protection activity and the sewage generated should not be discharged into the sea.
- c) The project activity should not affect the coastal ecosystem including marine flora and fauna.
- d) It may be ensured that mercury concentration is not present in the end product.
- e) The proponent should ensure that the saline water shall not gain access into ground while conveying or processing the sea water.
- f) Marine water quality should be monitored at the outfall area every quarter and results sent to Tamil Nadu State Coastal Zone Management Authority.
- g) A system shall be evolved for a close and continuous monitoring during the construction and post construction phases through reputed institutions such as National Center for Sustainable Coastal Management (NCSCM), Anna University, Chennai/NIOT, Chennai / IIT Chennai. Periodical report shall be furnished to the Tamil Nadu State Coastal Zone Management Authority on the site conditions every year so as to take mitigation measures on the event of any adverse impacts on the coast.

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- h) The impact on the corals, marine organisms, Turtle nesting etc., due to the above constructions, in long run, should be evaluated and monitored through experts, in which, ecologists should be included.
- i) The activities such as intake pipeline and outfall line and intake arrangement in sea and the pipeline should not cause hindrance to fishing activities and to boat movement.
- j) Marking the intake and outfall pipelines adequately such that fishing vessels and fishermen are made aware of its presence.
- k) No blasting or drilling activities in CRZ is permissible.
- l) The proponent should not prevent public from easy access to the beach.
- m) The proponent shall implement the Green Belt as envisaged in EIA report.

**AGENDA ITEM NO.07: Proposed Construction of 400 MLD sea water reverse osmosis desalination plant at Perur village, Thiruporur taluk, Kancheepuram district proposed by Chennai Metropolitan Water Supply & Sewerage Board, Chennai - Clearance under CRZ Notification 2011.**

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 proposed activities should not cause coastal erosion and alter the beach configuration.
- b) Untreated chemical waste generated due to membrane protection activity and the sewage generated should not be discharged into the sea.
- c) The project activity should not affect the coastal ecosystem including marine flora and fauna.

.06.

- d) It may be ensured that mercury concentration is not present in the end product.
- e) The proponent should ensure that the saline water shall not gain access into ground while conveying or processing the sea water.
- f) Marine water quality should be monitored at the outfall area every quarter and results sent to Tamil Nadu State Coastal Zone Management Authority.
- g) A system shall be evolved for a close and continuous monitoring during the construction and post construction phases through reputed institutions such as National Center for Sustainable Coastal Management (NCSCM), Anna University, Chennai/NIOT, Chennai / IIT Chennai. Periodical report shall be furnished to the Tamil Nadu State Coastal Zone Management Authority on the site conditions every year so as to take mitigation measures on the event of any adverse impacts on the coast.
- h) The impact on the corals, marine organisms, Turtle nesting etc., due to the above constructions, in long run, should be evaluated and monitored through experts, in which, ecologists should be included.
- i) The activities such as intake pipeline and outfall line and intake arrangement in sea and the pipeline should not cause hindrance to fishing activities and to boat movement.
- j) Marking the intake and outfall pipelines adequately such that fishing vessels and fishermen are made aware of its presence.
- k) No blasting or drilling activities in CRZ is permissible.
- l) The proponent should not prevent public from easy access to the beach.
- m) The proponent shall implement the Green Belt as envisaged in EIA report.



**AGENDA ITEM NO:08**      **Proposed construction of service apartments and convention centre at S.No. 2/3 & 3/2 Kanagam village & S.No. 2/1 of Thiruvanmiyur village, Gunidy - Mambalam Taluk, Chennai proposed by M/s TRIL Info Park Limited, Chennai.**

The Authority resolved to approve the proposal subject to the following specific conditions.

- a) The proposed constructions should 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.
- b) Planning Permission shall be obtained from the Chennai Metropolitan Development Authority.
- c) Consent for Establishment from Tamil Nadu Pollution Control Board should be obtained.
- d) Premium FSI is not permissible.
- 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) Green belt development shall be implemented and site specific plants shall be identified for plantation.
- h) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- i) Sufficient budget allocations shall be provided for the proper maintenance of the project constructions and facilities especially for the maintenance of STPs, green belt and for solid waste management.

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

- (i): **Field experience training to selected staff and officers of Environment and Forests Department and Directorate of Environment**

The Authority has approved the field experience training programme to western coastal areas near Karnataka and Kerala border for acquiring better field exposure on Ecological Sensitive Areas and Coastal Regulation Zones to some selected staff and officers of Environment wing of the Environment and Forests Department & Department of Environment and permitted to incur expenditure under the State Coastal Zone Management Fund.

**General**

The Director of Environment has briefed about the approval of project "Management and rehabilitation of coastal habitats and biodiversity for Climate Change Adaptation and Sustainable Livelihood in Gulf of Mannar in Tamil Nadu by the MoEF &CC during the meeting held on 28.12.2015. In the minutes of the meeting, it was informed that NABARD will be the Implementing Agency and Department of Environment will be the Executive Agency. And also it is suggested that the guidelines communicated by NABARD is to be taken into consideration for implementing. In addition, it was suggested that works carried out by SICOM with reference to biodiversity assessment component should be considered while executing the work so as to ensure that there is no duplication of work. Accordingly, the project will be implemented.

Sd./- XXXXX

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

Sd./- XXXXX

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 87<sup>th</sup> meeting of the Authority held on 14.01.2016 are given below:**

SI. No	subject	Action taken
01	Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by Suganthi Devadason Marine Research Institute, Thoothukudi - Phase I Pilot project - review on the progress of work.	The suggestions of the Authority has been communicated to the SDMRI with the request to complete the works within the time schedule, in this office letter No. P1/2165/2014 dated 22.01.2016.
02	Project titled "Protection of Vaan Island in Gulf of Mannar from degradation through coral rehabilitation and deployment of artificial reefs' proposed by Suganthi Devadason Marine Research Institute, Thoothukudi - Phase II - Status Report regarding.	As resolved in the 86 <sup>th</sup> meeting of the Authority held on 30.09.2015, the work has been entrusted to SDMRI in letter dated 04.01.2016 and the SDMRI has executed the ToR on 11.01.2016. The mobilization advance has been disbursed on 27.01.2016 to carryout the work as per ToR and Tender Transparency Act.
03	Construction of shoreline protection structures by the Public Works Department and other agencies - the preparation of comprehensive shoreline protection management plan / Scheme for the coast of Tamil Nadu as per the direction of National Green Tribunal (SZ) status report regarding.	The IIT Madras has submitted the Inception Report on 21.01.2016 and conducted a workshop on the preparation of comprehensive shoreline protection/ management plan on 23.01.2016. The draft plan will be received shortly.
04	Proposed Construction of 150 MLD sea water reverse osmosis desalination plant at Nemelli village, Thiruporur taluk, Kancheepuram distict proposed by CMWSSB	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/791/2015 dated 14.01.2016 for taking further action.

05	Proposed Construction of 400 MLD sea water reverse osmosis desalination plant at Perur village, Thiruporur taluk, Kancheepuram distict proposed by CMWSSB.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. RoC. No. P1/790/2015 dated 14.01.2016.
06	Proposed construction of service apartments and convention centre at S.No. 2/3 & 3/2 Kanagam village & S.No. 2/1 of Thiruvanmiyur village, Gunidy - Mambalam Taluk, Chennai proposed by M/s TRIL Info Park Limited, Chennai.	As resolved Clearance has been issued in pro. No. P1/1075/2014 dated 25.01.2016.
07	Field experience training to selected staff and officers of Environment and Forests Department and Directorate of Environment	As resolved, to conduct the proposed tour details of number of staff/officers who will be deputed for the study tour, number of days, places to be covered, etc., have been called for in letter No. P1/113/2016 dated 21.01.2016 and the details are awaited.
08	Project on "Management and rehabilitation of coastal habitats and biodiversity for Climate Change Adaptation and Sustainable Livelihood in Gulf of Mannar in Tamil Nadu" proposed by the Department of Environment.	As indicated the NABARD will be the Implementing Agency and Department of Environment will be the Executive Agency. On the remarks of NCSCM with reference to the details of components/ works carried out by the NCSCM, the SICOM, MOEF&CC has been requested to offer their views on the biodiversity assessment component in Ir No. JDO/810/2015 dated 21.01.2016 and the details are awaited.

**AGENDA ITEM NO.3**

**Quantifying the carbon sequestering potential of coastal Eco system of Tamil Nadu - Discussion and deliberation.**

Coastal Ecosystems - including mangrove forests, salt marshes and seagrass beds - capture and sequester atmospheric carbon dioxide is more effectively than any other ecosystem on the planet. Protecting and restoring coastal ecosystems not only preserves an asset in the fight against climate change but also prevents coastal development and other ecological disturbances that are turning these carbon sinks into major carbon sources that further accelerate global warming.

2) Therefore to understand the importance of coastal ecosystems in carbon sequestration a detailed presentation by the expert and there after discussion and deliberation.

3) This is for favour of further information of the SCZMA.

**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.**

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) The resolved in the 86<sup>th</sup> meeting held on 30.09.2015, to select the appropriate agency to prepare Comprehensive Shoreline Protection Management Plan / Scheme for the entire coast of Tamil Nadu, technical and financial bids were invited and the work was entrusted to Prof. V. Sundar, IIT Madras who had offered the lowest rate of Rs.50,60,000/- (Rupees Fifty lakhs and Sixty Thousand only).

3) The Prof. V. Sundar, IIT Madras has submitted the Inception Report on 21.01.2016 and conducted a workshop on the preparation of comprehensive shoreline protection/ management plan on 23.01.2016. The draft plan will be received shortly.

4) As resolved in the 87<sup>th</sup> meeting, status report on the preparation of comprehensive shoreline management plan is made by Prof. V. Sundar, IIT Madras.

This is for favour of further information of the SCZMA.

**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.**

It is reported in "The Hindu" under the heading "Ennore Fishermen Protest - 'destruction of Mangroves' " that the Fishermen at Athipattu have protested against the destruction of Mangroves by Kamarajar Port Limited by engaging a contractor. Several representations have also been received from the Fishermen Associations in this regard.

2) While according Clearance by GoI vide MoEF & CC, GoI, Letter No.FnO.11-51/2012 -IA .III dated 12.03.2015 for two additional Coal Berths at Kamarajar port Ltd., under specific condition (ix) "it has been permitted that the dredge materials shall be reused for low level rising wherever possible and excess shall be dumped into sea at the designated dumping areas identified based on mathematical model studies".

3) It has also been requested to comply the conditions stipulated in GoTN Letter No. 23187/EC3/2014-1dated 16.12.2014 under condition (6b), wherein it has been informed vide 6(b) that the dredged material should be dumped on the landward side and should not be dumped into the sea (CRZ 1V), Inter tidal area (CRZ 1B) of the Buckingham canal and also in the salt plan areas as the salt plan area are declared as CRZ 1B as per the approved Coastal Zone Management Plan of Tamil Nadu.

4) In GoI vide MoEF, GoI, Letter No.10-28/2005-IA .III dated 10.09.2007, requested to ensure that no mangroves are destroyed during reclamation.

5) In this regard, a committee consisting of Dr.B.R.Subramanian, Member, TNCZMA, Dr.Jayshree Vencatesan, Member, TNCZMA, Dr. S. Ramakrishnan, Member, TNSCZMA and Er.Vasudevan, Convener, DCZMA, Thiruvallur District at Ambattur have inspected the site & furnished a report (copy enclosed).

6) The Authority may consider.

**AGENDA ITEM NO.6**

**Offering Spill response capability to coastal states from centralized stockpile of such specialized resources-Power point presentation by the Director, AlphaMers Ltd., Bangalore.**

Shri.D.C.Sekhar, Director, AlphaMers Ltd., Bangalore in his letter dated 27.01.2016 has requested an appointment to make presentation regarding their scheme to offer Spill response capability to coastal states from centralized stockpile of such specialized resources.

2) Further the Director has informed that they are working in Marine Environment technology and services and they have developed new technology besides providing services to marine oil pollution.

3) Hence the Director, AlphaMers Ltd., Bangalore has been requested to make a presentation before the TNSCZMA regarding their achievements and features of the company in marine oil spill response & innovation.

4)This is for favour of further information of the SCZMA.



**AGENDA ITEM NO:07** 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.

M/s. KTV Health Food Private Limited, Chennai has requested clearance for the Proposed laying 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. Under the proposal the applicant has proposed to install five numbers of storage tanks having the capacity of 1720 KL, 1442 KL, 1281 KL, 855 KL and 7527 KL for handling and transit of edible oil at the Transit terminal. The Chennai Port Trust, National High Ways Authority of India and the Chennai Fishing Harbour Management Committee have issued permissions for the laying of pipeline at a length of 4.5 kms for the transport of Edible oil from the port to the storage terminal. The pipeline is made up of MS material having the thickness of 9.5 mm and diameter of 10 inches in the pipe rack and trench (approved pipeline corridor by the highways department and Chennai port trust) for transfer of Edible oil. The Edible oil will be subsequently transferred from the above said Transit terminal to the storage terminals of their edible oil refinery units located at Gummidipoondi having the storage facility of 18500MT and Kodungaiyur refinery unit having the storage capacity of 5,000 MT.

2) The proposed site is falling in CRZ-II and the project cost is Rs.16.55 crores. The District Coastal Zone Management Authority for CMDA has recommended the project for clearance in the meeting held on 10.07.2015.

3) 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 shall be established only in notified ports; However vide para 3 (ii) (a) & (b) of CRZ Notification 2011, transfer of hazardous substances from ships to ports, terminals and refineries and vice versa; facilities for receipt and storage of petroleum products and liquefied natural gas, facilities for receipt and storage of fertilizers and raw materials required for manufacture of fertilizers like ammonia, phosphoric acid, sulphur, sulphuric acid, nitric acid and the like, is permissible activity in CRZ area (other than CRZ-I (A) ecologically sensitive areas). Further as per para 4 (ii) (a) and (d), the above activities require clearance from the Ministry of Environment, Forests and Climate Change, GOI.

4) The Authority may consider.

**AGENDA ITEM NO. 08: 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.**

Thiru AR Madanagopal, Chennai has furnished a copy of letter received from the Corporation of Chennai dated 20.11.2014 along with a proposal for the sub-division of his land into 8 plots, which is falling in S.No. 92/243A1A, 92/273 of Neelankarai village for Clearance under CRZ Notification 2011. The site is falling in CRZ-II area on the landward side of the the existing Neelankarai Kuppam streets. The applicant has proposed to sub-divide the property of 5161.21 sq.mts into eight plots of around 545 sq.mts., each.

2) Powers have been delegated to Corporation of Chennai in Roc. No. P1/443/2011 dated 16.02.2012 for the construction of ordinary buildings and other small buildings, falling in CRZ-II areas. Delegation of powers has not been issued to CMDA and Corporation of Chennai with reference to sub-division proposals and hence the CMDA in letter No. L1/2862/2011 dated 16.11.2011 has requested to place the proposals in respect of sub-divisions and layouts before the TNSCZMA for approval as such proposals involves forming of roads/ passages etc. In the last meeting the proposal was deferred as the sub-division involves formation of a passage.

3) As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015 as para 8 II CRZ-II (ii) " buildings permitted on the landward side of the existing and proposed roads or existing authorized structures (as on 19.02.1991) 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 proposal was placed before the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) in the 83<sup>rd</sup> meeting held on 19.05.2015 and the TNSCZMA resolved to request the applicant to make a power point presentation to the Members of the Authority in respect of their proposed sub-division and the impacts of the proposal with reference to the adjacent sea.

5) The Authority may consider.

**AGENDA ITEM NO.09**      **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.**

Thiru A. Anjaiah & 3 others, Kottivakkam, Chennai have submitted a proposal for the sub division of their land into 6 plots, which is falling in T.S.No. 224/5A2B & 224/5A2A2 Kottivakkam village, Shollinganallur Taluk, Kancheepuram district for Clearance under CRZ Notification 2011. The site is falling in CRZ-II area. The applicant has proposed to sub-divide the property of 2734.87 Sq.m., into six plots of various sizes around 450 sq.m. each. The proposal involves a formation of 7 m wide road having 839.64 sq.m., for approach. The site is falling on the landward side of the Tamil Nadu Housing Board Mullai & Marutham Apartments.

2) Powers have been delegated to Corporation of Chennai in Roc. No. P1/443/2011 dated 16.02.2012 for the construction of ordinary buildings and other small buildings, falling in CRZ-II areas. Delegation of powers has not been issued to CMDA and Corporation of Chennai with reference to sub-division/ layout proposals and hence the CMDA in letter No. L1/2862/2011 dated 16.11.2011 has requested to place the proposals in respect of sub-divisions and layouts before the TNSCZMA for approval as such proposals involves forming of roads/ passages etc.

3) As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015 as para 8 II CRZ-II (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized structures (19.02.1991) 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.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.**

Thiru Allu Aravind Babu, Chennai submitted a proposal for the sub-division of his land into 8 plots, which is falling in S.No. 225/6A.,6B, 6C, 6D, 225/5B, 5C, 5D, 5E of Kottivakkam village, Corporation of Chennai Division No. 183, Zone 14 for Clearance under CRZ Notification 2011. The Corporation of Chennai in Ir. No.W.D.C. No. T.P. SD/WDCN 14/00119/2015 dated 18.03.2015 has informed that the site is falling in CRZ-II. The site is falling in CRZ-II area on the landward side of the existing Kuppam beach road. The applicant has proposed to sub-divide the property of 4103.84 sq.m. into eight plots of around 450 to 550 sq.m. each.

2) Powers have been delegated to Corporation of Chennai in Roc. No. P1/443/2011 dated 16.02.2012 for the construction of ordinary buildings and other small buildings, falling in CRZ-II areas. Delegation of powers has not been issued to CMDA and the Corporation of Chennai with reference to sub-division proposals and hence the CMDA in letter No. L1/2862/2011 dated 16.11.2011 has requested to place the proposals in respect of sub-divisions and layouts before the TNSCZMA for approval as such proposals involves forming of roads/ passages etc.

3) As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015 as para 8 II CRZ-II (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized structures (19.02.1991) 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 proposal was placed before the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) in the 83<sup>rd</sup> meeting held on 19.05.2015 and the Authority has deferred the subject as the project proponent has not presented in the meeting.

5) The Authority may consider.

**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.

Thiru K. Shivashankar & others, Chennai has submitted a proposal for the layout of their land into 9 plots, which is 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 for Clearance under CRZ Notification 2011. The site is falling in CRZ-II area. The applicant has proposed to sub-divide the property of 9788.87 sq.mts into nine plots of various sizes between 713.86 sq.m. to 1094.84 sq.m. each. The proposal involves a formation of 9m wide road for approach. The proposed project area is on the landward side of the existing Singaravelan 7<sup>th</sup> cross street, Neelankarai.

2) Powers have been delegated to Corporation of Chennai in Roc. No. P1/443/2011 dated 16.02.2012 for the construction of ordinary buildings and other small buildings, falling in CRZ-II areas. Delegation of powers has not been issued to CMDA and Corporation of Chennai with reference to sub-division / layout proposals and hence the CMDA in letter No. L1/2862/2011 dated 16.11.2011 has requested to place the proposals in respect of sub-divisions and layouts before the TNSCZMA for approval as such proposals involves forming of roads/ passages etc.

3) As per CRZ Notification 2011, vide para 8 II CRZ-II (i) and (ii) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures; As per the amendment issued by MoEF., GoI in notification S.O. No. 1599 (E) dated 16<sup>th</sup> June 2015 as para 8 II CRZ-II (ii) "buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level."

4) The Authority may consider.

**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 District Environmental Engineer/ Convenor, District Coastal Zone Management Authority (DCZMA), Kanyakumari district has requested for clearance under CRZ Notification 2011 for the proposed construction of a commercial building at S.No. 647/2A., Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district proposed by Thiru W. Kalaiselvan & P. Padma, Chennai. .

2) The site is falling in CRZ-II on the landward side of the existing road. Part of the site is falling in between 200m - 500m from the HTL of sea and part of the site is falling beyond 500mts from the HTL. The project area is 1650 sq.m., and proposed to construct stilt, Ground & first floors of 404.26 Sq.m., each. The total project cost is 50.00 lakhs. The Executive officer of Kanyakumari Town Panchayat in his letter No. 427/2014/A2 dated 09.02.2015 has forwarded the application for planning permission with a certificate that the site is vacant at present. The Deputy Director of Town and Country Planning, Tirunelveli has certified that the above construction proposal satisfies the norms for the building rules and recommended for clearance. The applicant has furnished drawings, topo sketch, document copy etc., The DCZMA, Thoothukkudi have recommended the proposals to the TNSCZMA for consideration.

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 of buildings in CRZ-II areas on the land ward side of the existing road subject to the local town planning norms as on 19.02.1991.

4) The Authority may consider.

**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 an conveying main crossing over pipe carrying bridge along Ennore Creek - regarding.**

The Superintending Engineer (WWT&R), CMWSSB, Chennai has submitted a proposal for the proposed laying of conveying pipeline along the berm of Buckingham Canal road and crossing over the bridge along Ennore Creek for clearance under CRZ Notification 2011. The CMWSSB has proposed the above facilities for the supply of tertiary treated sewage water for the industries in Manali area from the proposed tertiary treatment reverse osmosis plant of capacity of 45MLD at Kodungaiyur and discharge of R.O. rejects into Buckingham Canal through existing earthen channel. The length of the conveying mains is 28.50km. The pipeline passes through Sattangadu, Manali, Tiruottiyur, Ernavur, Kattivakkam, Ennore, Puzhuthivakkam, Kattupalli villages. The size of the conveying main varies from 300mm to 800mm. The 800mm dia pipeline will be provided for a length of 19km, 600mm dia pipeline will be provided for a length of 7km and 300 mm conveying main for a length of 2.5 km for distributing the Tertiary Treatment Reverse Osmosis (TTRO) water to industries. The CMWSSB has indicated that the treated water through the Ultra Filtration system, will be supplied to the industries, power plants and institutions in Manali-Minjur corridor, Manali Ennore Corridor in North Chennai. The rejects and backwash effluent from the Ultra filtration system will be blended and disposed into Buckingham Canal.

2) The total project cost is Rs.255 crores. The project areas are falling in CRZ-I (inter tidal zone), CRZ-II (in CMDA areas), CRZ-III (outside CMDA areas) and CRZ - IV (water area at Ennore creek).

3) The District Coastal Zone Management Authority for CMDA areas in the meeting held on 27.01.2016 recommended the project to the Tamil Nadu State Coastal Zone Management Authority.

4) 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 above activities require clearance from the Ministry of Environment, Forests and Climate Change as per para 4 (ii) (d) of CRZ Notification 2011.

5) The Authority may consider.



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

The Chennai River Restoration Trust (CRRT), Adyar Poonga has proposed several activities under the project "Integrated Cooum River Eco Restoration Project (ICRERP)" to restore and protect the degraded Cooum River and provide a clean environment to the urban community. Originally under the project the following major activities are proposed along the Cooum River:

I. River front development:-

- a) Development of park at right bank upstream of Central Buckingham Canal ie., Nepiar Bridge to Periyar Bridge, walkway with 2.50 m width, lawn, Children play ground, view point terraces,
- b) Developing park at right bank from C in C Road Bridge to College Road Bridge - lawn, children play ground, view point and terraces, food courts
- c) Developing part at right bank from Munroe Bridge to Chetpet Railway Bridge  
Walk way, cycle track

II. Maintenance walk way at right bank from river mouth to nepier bridge.

III. Mangrove Development along the river bank

IV. Sewage and Sanitation (interceptors, Modular STPs, manholes)

V. Flood Management - De-silting the cooum river from river mouth to upstream side of Nabier Bridge, deepening of river beds.

VI. De-silting is proposed. - the volume of accumulated silt is 76,425 cum, 61,388 cum & 3,70,364 cum in three places. Totally 5,08,177 cum. 60% will be used for stabilizing the river beds (bundling) and developing park (landscape changes). The desilting is permissible activity. However bunding and landscape changes are prohibited activities. The CRRT indicated that the balance dredging silt will be disposed to Chennai Corporation dump yards equivalent to 23,715 trucks.

2) The project area between the Cooum river mouth and Chetpet Bridge is falling in CRZ in CRZ-I (inter tidal zone), CRZ-II and CRZ-IV (water area). The project cost is Rs.105 crores.

3) As per the proposal the park is for the entertainment and recreational purpose - Any reclamation for entertainment activity and any landscape changes for beautification are prohibited activities vide para 3 (ix) and 3 (xiii) of CRZ Notification 2011.

4) The District Coastal Zone Management Authority for CMDA areas have recommended the project to the TNSCZMA subject to the following conditions:

- a) The desilting of River Cooum shall be undertaken only once.
- b) The silt generated shall be scientifically disposed in suitable area outside CRZ area.
- c) The parks proposed to be established in the CRZ area shall not be a public park and be maintained as a Bio-park. Park should not be utilized for entertainment / recreation purpose.
- d) The greeneries proposed in the CRZ area shall be undertaken in consultation with the Forest Department.
- e) The modular STPs proposed in the CRZ area shall be temporary nature to treat the raw sewage let into River Cooum until permanent measures are taken by CMWSSB to provide sewerage network for treatment & disposal.
- f) The treated sewage shall meet the disposal standards as prescribed by the TNPCB and to be utilised for greenery development or for other beneficial use.
- g) The consent to establish of the TNPCB shall be obtained prior to the establishment of the STPs.
- h) Food Courts should not be established. There should not be any cycle track, Children play ground, view point and terraces in CRZ.
- i) Walk way should be paved for only maintenance purpose.

5) ) Maintenance or clearing of waterways, channels and ports, based on EIA studies is permissible activities as per para 3 (iv) of CRZ Notification 2011. However the above activities require Clearance from MoEF& CC vide para 4 (ii)(d) as the proposal involves constructions several interception mains to convey the sewage from outfalls to STPs for treatment and for discharge into the river.

6) The Authority may consider.

**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.

M/s. Hinduja Foundries Limited, Ennore, Chennai has proposed for the expansion of Ferrous and Non-ferrous casting manufacturing activity from 33,500 MTA to 73,500 MTA for Clearance under CRZ Notification 2011. The unit is located at S.F. No. 39 A & 39B, Kathivakkam Village, Ambattur Taluk, Thiruvallur district. The project site is falling in CRZ-II.

2) The applicant has stated that the Central Electricity Authority has issued directions to go for induction furnaces to minimize power surges and harmonic distortion in the incoming feeders. Hence the Hinduja Foundries has proposed for the replacement of existing furnaces with the induction furnaces as follows:

Existing furnaces	After modernization
Arc furnace 4 tons - 3 Nos. 14 tons - 1 No. Pillar MF furnace 3 Tons - 2 Nos. 2 Tons - 3 Nos.	Induction furnace 3 Tons - 2 Nos. 5 Tons - 3 Nos.
Production capacity - 33,500 MTA	73, 500 MTA
Melting Capacity - 2790 TPM	10,400 TPM
Number of Employees - 2450	1950

3) The applicant has stated that to maintain the existing production level to 33,500 TPA, the proposed induction furnaces 5 Nos., is required. However with the full utilization of the said furnaces, production capacity of 73500 MTA shall be achieved. Adapting the clean technology in induction furnaces, the applicant has stated that the pollution load will get reduced drastically around 66%. (A comparison chart is enclosed). The applicant has informed there is no new constructions and the induction furnaces will be located in the same location.

4) As per CRZ Notification 2011 vide para 3 (i) Setting up of new industries and expansion of existing industries is prohibited activity.

5) The DCZMA for CMDA areas have refer the proposal to the TNSCZMA under the following 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.

ii) The unit shall not produce more than 33,500 MTA of ferrous casings at any point of time.

iii) The unit shall ensure that the power consumption per ton of product produced during modernization activity shall be lesser than the existing process equipments.

iv) 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.

v) The quantity of raw material shall not be increased due to modernization with respect to the existing activity.

6) As per CRZ Notification 2011 vide para 3 (i) Setting up of new industries and expansion of existing industries is prohibited activity. However the TNSCZMA agreed for modernization, the above activities require Environmental Clearance under EIA Notification 2006 and hence the recommendations of the TNSCZMA should be sent to SEIAA for taking further action.

7) The Authority may consider.

**AGENDA ITEM NO.16 : 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./- XXXXXX

Thiru Hans Raj Verma, I.A.S.,

Chairman, TNSCZMA and

Principal Secretary to Government,

Environment & Forests Dept., Chennai-9

**ADDL. AGENDA ITEM NO.01: Study Tour of Coastal areas for the staff members of Environment & Forests Department**

In the 87<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 14.01.2016, the Authority has approved the field experience training programme to western coastal areas near Karnataka and Kerala border for acquiring better field exposure on Ecological Sensitive Areas and Coastal Regulation Zones to some selected staff and officers of Environment wing of the Environment and Forests Department & Department of Environment and permitted to incur expenditure under the State Coastal Zone Management Fund.

In the Govt. letter No.651/EC.3/2016-2 dated 10.02.2016, Government have proposed to conduct the above field experience training programme during the period from 27.02.2016 to 29.02.2016 and requested to arrange to draw an amount of Rs.1,25,000/- from the State Coastal Zone Management Fund for making necessary initial arrangements relating to the above field experience training.

The Authority may consider to release an amount of Rs.1,25,000/- from the State Coastal Zone Management Fund towards the above filed experience training programme.

**ADDL. AGENDA ITEM NO.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 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) The Director, Mr. Liz Wren, Heritage International and Governance, has informed that during the visit, potential discussions and briefings on matters for the delegation may include:

Management of the Great Barrier Reef Marine Park and world heritage area,

Ecosystem based management success stories and lessons learned

Adaptive management for pressures facing coral reef ecosystems including climate change, land based pollution and run-off, and water quality impacts,

Other Success stories

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 may visit Australia and the expenditure towards the visit may be met from the State Coastal Zone Development Fund.

The Authority may consider.

**ADDL. AGENDA ITEM NO.03: CRZ- National Workshop on capacity Building for combating wildlife crime in India - financial assistance requested regarding.**

The Forest Department has organized a National Workshop on Capacity Building for combating wildlife crime in India in association with the TRAFFIC India, Secretariat, New Delhi between 4<sup>th</sup> and 6<sup>th</sup> February 2016 at Tamil Nadu Forest Academy, Coimbatore. The training workshop was conducted to strengthen combating skills against wild life crimes, investigation, procedure, law enforcement, interrogation, investigation techniques, Laws forensics, DNA analysis and Coastal Zone Management etc., in protecting marine wealth among others.

Officers from Forest Department, Coastal Security groups, customs, coast guards and other departments have participated in the above National Workshop.

The Principal Chief Conservator of Forests has requested to release financial assistance of Rs.2,00,000/- (Two lakhs only) 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.

The above expenditure may be met from the State Coastal Zone Development Fund.

The Authority may consider.



**MINUTES OF THE 88<sup>th</sup> 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 87<sup>th</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 14.01.2016.**

The minutes of the 87<sup>th</sup> 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 87<sup>th</sup> 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 87<sup>th</sup> 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 31<sup>st</sup> March 2016, as the said plan is to be submitted before the Hon'ble Court (NGT-SZ).

.2.

**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.

**AGENDA ITEM NO.6**      **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.

.3.

- c) The project activity should not affect the coastal ecosystem including marine flora and fauna.
- 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.

.4.

- 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.**

.6.

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

- a) Layout approval should be obtained duly from the CMDA.
- 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 7<sup>th</sup> 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.

.7.

- 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 an 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.

.8.

- 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.
- 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 Government, Environment and Forests Department, 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./- XXXXXX

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

Sd./- XXXXXX

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