

AGENDA NOTES

76th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 21.03.2014
Time: 03.45 P.M.

Venue: PWD CONFERENCE HALL
5th floor, Secretariat,
Chennai - 600 009

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**THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT
AUTHORITY**

Date & Time:

21.03.2014 - 03.45 P.M.

Venue: PWD Conference Hall, 5th floor,

Secretariat, Chennai - 600 009

AGENDA ITEM NO.01: Confirmation of the minutes of the 75th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.12.2013.

The 75th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 19.12.2013 and the minutes were communicated in letter no. P1/141/203 dated 28.12.2013 of Director of Environment. It may be confirmed.

**MINUTES OF THE 75th MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY HELD ON 19.12.2013**

**AGENDA ITEM NO.01: Confirmation of the Minutes of the 74th meeting of the
Tamil Nadu State Coastal Zone Management Authority
held on 09.10.2013.**

The minutes of the 74th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 09.10.2013 communicated in Letter No.P1/141/2013 dated 17.10.2013 of the Director of Environment, was confirmed.

**AGENDA ITEM NO.02: Report on the follow up action taken in respect of
decisions taken during the 74th meeting of the
TNSCZMA.**

The Member Secretary and the Chairman, TNSCZMA briefed the members about the action taken by the Department of Environment and by the Government, respectively, on the decisions taken during the 74th meeting of the Tamil Nadu State Coastal Zone Management authority held on 09.10.2013.

**AGENDA ITEM NO.03 Coastal Protection - Application of SAB (Sediment
Accumulator in Beach) Technology for shore
protection works intended to protect the beachfronts
from the coastal erosion - presentation regarding.**

The Chairman has categorically stated that it should be ensured, spot remedies for the shore protection measures should not shift the problems to another areas and shoreline evolution should be observed before introducing any technology.

The applicant has indicated that shore protection at Radission Temple Bay Resort of Mahabalipuram has been employed during 2008 and there is no adverse impact till date. Hence the Authority resolved to inspect the said project site by a team consisting of Expert Members of TNSCZMA along with PWD officials for evolution and to assess other environmental aspects and submit a report to the Authority.

.3.

AGENDA ITEM NO.04 Proposed project of design, Fabrication, Testing and Installation of Solar Multi Effect Distillation System for providing potable water in arid rural areas at Narippaiyur village, Kadaladi Taluk, Ramanathapuram district at S.No. 285/2B4 proposed by M/s. KGDS Renewable Energy Private Limited, Coimbatore.

As the proposal is the first of its kind indigenous solar thermal desalination plant and the technology show cases the collaborative research work of the NIOT (an autonomous R&D organization under the Ministry of Earth Sciences and KGDS Renewable Energy Private Limited (an in house R&D unit recognized by the Department of Scientific and Industrial Research, GoI) and the applicant has also intended to utilize the existing TWAD Board Desalination plant facilities., the Authority resolved to recommend the proposal to the Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) It shall be ensured that the temperature of outfall seawater shall not higher 5° C than that of intake seawater temperature..
- b) The proponent should ensure that the saline water shall not gain access into ground while conveying or processing the sea water.
- c) There should not be any extraction of ground water in CRZ.
- d) Natural landforms in the coastal zone like sand dunes should not be altered or leveled.
- e) Necessary consents from TNPCB shall be obtained.

AGENDA ITEM NO:05 Setting up of a Beach Resort - Change of built up area on the construction of a Beach Resort in S.F No.211/2B2, 211/2C, 211/2D, 215/1B2, 215/1C and 215/1D of Nemilli Village, Chengalpattu Taluk, Kancheepuram District proposed by M/s. Adayar Gate Hotels Ltd., Chennai

M/s. Adayar Gate Hotels Ltd., Chennai has constructed the resort based on the allowable FSI and Non-FSI, after getting the Planning Permission duly from the Department of Town and Country Planning (DTCP) and the existing FSI is retained as such and Non-FSI area is increased due to the provisions of amenities.

.4.

The Regional Central Ground Water Board, Chennai in their letter No. T(8)/48/CRZ-2013 - 2065 dated 28.10.2013 has stated that no digging of sand has been made as the applicant has constructed building over the land and no basement (under ground) and hence issuing of NOC doesn't arise.

2) In view of above facts, the Authority resolved to recommend the proposal to the Ministry of Environment and Forests, Government of India subject to the following specific conditions:

- a) The conditions already imposed in the Environmental Clearance issued in Ir. No. 78/2007-IA-III dated 15th April 2008 should be adhered without any deviation.
- b) Planning Permission (renewal) should be obtained from the Department of Town and Country Planning for the above constructions.
- c) Consent to operate from Tamil Nadu Pollution Control Board should be obtained.
- d) Environmental Clearance shall be obtained under EIA Notification 2006 from the State Environmental Impact Assessment Authority.
- e) The total covered area on all floors shall not exceed 33 percent of the plot size i.e., the Floor Space Index shall not exceed 0.33.
- f) The overall height of construction upto the highest ridge of the roof, shall not exceed 9metres.
- g) There should not be any constructions in the No Development Zone i.e., between 0 - 200 mts., from the HTL of sea. Swimming Pool shall be constructed in development zone viz., 200 - 500 mts from the HTL of sea.
- h) There should not be any ground water extraction in the CRZ.
- i) There should not be any sea water intrusion due to the project activities and periodical water quality monitoring shall be conducted.
- j) Waste water should be treated in the STP and treated sewage shall be recycled after dis-infection for toilet flushing and green belt development.

.5.

- k) Suitable sludge disposal mechanism shall be evolved for the proper safe disposal of sludge in the project area.
- l) Proper arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas, by providing Organic Waste Converter (OWC).
- m) The possibilities of utilization of solar energy to the maximum extent shall be explored.

AGENDA ITEM NO:06 **Proposed residential construction complex at S.No. 4310/3,5, 4462/3, 4569/32, 33, 34, 35, 38 & 4570/8 of Blocks 96, 98 & 100 of Santhome Village, Mylapore-Triplicane Taluk, Chennai proposed by Thiru T.V. Sathia Narayana, Chennai.**

The Authority resolved to clear the above proposals subject to the following specific conditions;

- a) The proposed constructions should satisfy the FSI/ FAR norms as per the Town and Country Planning regulations as on 19.02.1991 and Planning Permission shall be obtained from the Chennai Metropolitan Development Authority.
- b) Environmental Clearance shall be obtained under EIA Notification 2006 from the State Environmental Impact Assessment Authority.
- c) Consent for Establishment from Tamil Nadu Pollution Control Board should be obtained.
- d) The maximum height of the building in CRZ area should not exceed 18 meters.
- e) Set backs to be left is 7mts all around.
- f) 10% of the site area has to be reserved for the Lower Income Group housing with dwelling units size not exceeding 45 sq.mts., in floor area.
- g) Premium FSI is not permissible.
- h) There should not be any ground water extraction in CRZ.

.6.

- i) Solid Waste Management Plan should be formulated and to be implemented without depending wholly on Corporation of Chennai for this purpose.
- j) Green belt development shall be implemented as proposed in the proposal in consultation with Forests Department.
- k) Instead of Storm Water drain, adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM NO:07 **Setting up of a Beach Resort at S.F. No. 46/3C, Devaneri Hamlet, Mahabalipuram village, Thirukalukundram Taluk, Kancheepuram distict proposed by M/s. Raja Rajeswari Hotels (Chennai) Pvt., Ltd., Chennai.**

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

- a) The total covered area on all floors shall not exceed 33 percent of the plot size i.e., the Floor Space Index shall not exceed 0.33.
- b) The overall height of construction upto the highest ridge of the roof, shall not exceed 9metres and the construction shall not be more than two floors (ground floor plus one upper floor).
- c) Basement shall be erected after getting NOC duly from the Central Ground Water Authorities.
- d) There should not be any constructions in the No Development Zone i.e., between 0 - 200 mts., from the HTL of sea. Swimming Pool shall be constructed in development zone viz., 200 - 500 mts from the HTL of sea.
- e) There should not be any ground water extraction in the CRZ.
- f) There should not be any sea water intrusion due to the project activities and periodical water quality monitoring shall be conducted.

.7.

- g) Waste water should be treated in the STP and treated sewage shall be recycled after dis-infection for toilet flushing and green belt development.
- h) Suitable sludge disposal mechanism shall be evolved for the proper safe disposal of sludge in the project area.
- i) Proper arrangements should be made for the disposal of biodegradable solid wastes generated in the project areas, by providing Organic Waste Converter (OWC).
- j) The possibilities of utilization of solar energy to the maximum extent shall be explored.
- k) Consent for Establishment from Tamil Nadu Pollution Control Board should be obtained.
- l) The unit should obtain planning permission for their proposed construction from the Department of Town and Country Planning.

AGENDA ITEM NO.08 Proposed construction of Ice Plant at S.No. 628/7A1, Kanniyakumari village, Agastheeswaram taluk, Kanniyakumari district proposed by Thiru R. Thanumoorthy., Nagercoil.

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

- a) The applicants shall furnish an Environment Management Plan for handling Ammonia in the event of any leakage / spillage.
- b) There should not be any ground water extraction in CRZ
- c) The Safety measures system indicated in the Project profile which facilitates safety plant operation shall be erected without fail and shall also to be maintained properly.
- d) Consent for Establishment from Tamil Nadu Pollution Control Board should be obtained.

AGENDA ITEM NO.09 Proposed construction of Sri Jain Temple cum Rest Room at S.No. 528/4,5 Agastheeswaram village, Agastheeswaram Taluk, Kanyakumari district proposed by Shri Jain Teerth Sansthan (Ram Deora), Chennai.

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

- a) Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations including FSI/FAR as on 19.02.1991.
- b) There should not be any ground water extraction in CRZ.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.

AGENDA ITEM NO:10 Proposed construction of shoreline protection structures in Tamil Nadu by the Public Works Department - direction issued by the National Green Tribunal - further action regarding.

A meeting was convened by the MoEF., GoI at New Delhi on 18.12.2013, on the subject and the Member Secretary, TNSCZMA, who attended the said meeting, has briefed that the MoEF., GoI have requested all the States to make a study and evolve the measures for sustainable coastal zone management as directed by the NGT.

2) In this connection he further added, as a part of the project viz., Assessment of shoreline change for India, shoreline changes in the coastline of Tamilnadu has been mapped by Institute of Ocean Management (IOM)/ National Center for Sustainable Coastal Management (NCSCM). As the shoreline change assessment maps prepared by the NCSCM is the first of its kind, having the erosion study data on shoreline changes in Tamilnadu for the period from 1972 to 2010 about 30 years., the Authority has validated the said maps in the 67th meeting held on 10.07.2013.

3) Hence the Member Secretary, TNSCZMA has suggested that the Institute of Ocean Management/ the National Center for Sustainable Coastal Management may be requested to make a study especially on sediment cells and evolve/ suggest the measures for sustainable coastal zone management in respect of the 13 districts in Tamil Nadu, within a period of two months and the fact may be informed to the NGT. The Authority has accepted the suggestions put forth by the Member Secretary, TNSCZMA and resolved to request NCSCM to furnish a report as indicated above accordingly.

AGENDA ITEM NO.11 Status report on the conduction of Public hearing on the Coastal Zone Management Plan Maps.

The Authority pointed out that the public consultation process has been initiated to complete the process within the time limit prescribed by the MoEF., GoI. The Member Secretary, TNSCZMA has informed that the main apprehension of fishermen associations is that the draft CZMP maps in 1:25000 scale, should be made available in Tamil Version and the local level CZMP maps in 1:5000 scale shall be prepared before the approval of 1:25000 scale draft CZMP maps. In this connection the Member Secretary, TNSCZMA has informed that the Tamil Version of all the draft CZMP maps in 1:25,000 scale has already been uploaded in the Website of Department of Environment and arrangements have been made to send the hard and soft copies of the same to the concerned District Authorities. Further it is pointed out that the MoEF., GoI have issued guidelines in the CRZ Notification 2011, that the local CZMP level 1:5000 scale maps shall be prepared on the approval of 1:25000 scale draft CZMP maps by MoEF., GoI.

2) Hence the Authority resolved to proceed the conduction of public hearings as per schedule to complete the same within the time frame and explore the possibilities of preparation of draft local level CZMP maps in 1:5000 scale at the earliest through Institute of Remote Sensing, Anna University, who has already prepared HTL cadastral maps for Tamil Nadu.

3) With reference to the suggestions/ views expressed by the Department of Environment and the Chennai Metropolitan Development Authority, it is informed that the same will be considered and incorporated in the draft CZMP maps, before their finalization.

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

Sd/-
Thiru Mohan Verghese Chunkath., I.A.S.,
Chairman, TNSCZMA and
Addl., Chief Secretary to Government,
Environment & Forests Dept., Chennai - 9.

AGENDA ITEM NO.02: The action taken on the decisions of 75th meeting of the Authority held on 19.12.2013 are given below:

SI. No	Description of proposals	Action taken
01	Application of SAB (Sediment Accumulator in Beach) Technology for shore protection works intended to protect the beachfronts from the coastal erosion - presentation regarding.	As resolved the coastal stretch behind the Radission hotel at Mahabalipuram was inspected by a team consisting of the Director, IRS., the Project Director, NCSCM, CE, PWD, Chennai, DEE, TNPCB, Kancheepuram district and the Director of Environment on 23.01.2014. Dr. BR. Subramaniam, Project Director /Member, TNSCZMA has informed that those beaches which were eroded similar to beach in front of Radission hotel also got reestablished in the subsequent year. This is for information.
02	Proposed project of design, Fabrication, Testing and Installation of Solar Multi Effect Distillation System for providing potable water in arid rural areas at Narippaiyur village, Kadaladi Taluk, Ramanathapuram district proposed by M/s. KGDS Renewable Energy Private Limited, Coimbatore	As resolved the proposal has been sent to Environment and Forests Department in Ir. No. P1/2573/2013 dated 30.12.2013 for taking further action.
03	Setting up of a Beach Resort - Change of built up area on the construction of a Beach Resort in Nemilli Village, Chengalpattu Taluk, Kancheepuram District proposed by M/s. Adayar Gate Hotels Ltd., Chennai	As resolved the proposal has been sent to Environment and Forests Department in Ir. No. P1/2004/2013 dated 28.12.2013 for taking further action.
04	Proposed residential construction complex at S.No. 4310/3,5, 4462/3, 4569/32, 33, 34, 35, 38 & 4570/8 of Blocks 96, 98 & 100 of Santhome Village, Mylapore-Triplicane Taluk, Chennai proposed by Thiru T.G. Sathia Narayana, Chennai.	As resolved Clearance under CRZ Notification 2011 has been issued for the project in Ir. No. P1/1869/2013 dated 09.01.2014.

05	Setting up of a Beach Resort at Devaneri, Mahabalipuram village, Thirukalukundram Taluk, Kancheepuram district proposed by M/s. Raja Rajeswari Hotels (Chennai) Pvt., Ltd., Chennai.	As resolved the proposal has been sent to Environment and Forests Department in Ir. No. P1/1354/2013 dated 28.12.2013 for taking further action.
06	Proposed construction of Ice Plant at S.No. 628/7A1, Kanniyakumari village, Agastheeswaram taluk, Kanniyakumari district proposed by Thiru R. Thanumoorthy., Nagercoil.	As resolved the proposal has been sent to Environment and Forests Department in Ir. No. P1/2579/2013 dated 28.12.2013 for taking further action.
07	Proposed construction of Sri Jain Temple cum Rest Room at Agastheeswaram village, Agastheeswaram Taluk, Kanyakumari district proposed by Shri Jain Teerth Sansthan (Ram Deora), Chennai.	As resolved Clearance under CRZ Notification 2011 has been issued for the project in Ir. No. P1/2179/2013 dated 28.12.2013.
08	Proposed construction of shoreline protection structures in Tamil Nadu by the Public Works Department - direction issued by the National Green Tribunal - further action regarding.	As resolved the National Center for Sustainable Coastal Management (NCSCM) was requested to make a study especially on sediment cells and evolve the measures for sustainable coastal zone management in respect of the 13 districts in Tamil Nadu in Ir. No. P1/Appeal/4/2011 dated 03.01.2014 and also reminded on 20.01.2014.
09	Report on the conduction of Public hearing on the Coastal Zone Management Plan Maps.	As resolved the Director, IRS was requested to prepare CZMP maps in local level cadastral maps as indicated in the CRZ Notification 2011 in Ir. No. P1/1195/2012 dated 17.01.2014 and also the Government was requested to instruct the remaining coastal District Collectors to conduct public consultations in Ir. No. P1/1195/2012 dated 17.01.2014. for taking further action.

AGENDA ITEM NO.03 **Construction of experimental submerged dyke - Pilot study for sustainable shoreline management at Kadalur periakumppam, Kancheepuram district proposed by the Fisheries Department regarding.**

The District Coastal Zone Management Authority of Kancheepuram district has forwarded a proposal for the construction of a shore submerged dyke using sand filled Geosynthetic tubes parallel to the sea shore, on experimental basis for shoreline Management of Fisheries, which are under severe threat due to erosion of the shoreline at Kadalur Periyakuppam village, Cheyyur Taluk, Kancheepuram district. NIOT has come forward for providing a submerged dyke, parallel to the shore to absorb the wave forces and to minimize the eroding effect. A submerged dyke of 3.5m height and 1.7 km total length is proposed. The length of segments shall be 200mts each with gaps of 60mts between the segmented portions. The submerged dyke will be laid at depth of 4 mts offshore in submerged condition at a distance of 300mts away from the HTL. The entire project site is falling in CRZ-I (inter tidal zone). The cost of the project is Rs. 10-12 crores. The project is proposed to be executed by coastal and environmental engineering division, NIOT and is funded by the Ministry of Earth Sciences (MOES), GoI.

2) The sand for filling the tubes will be taken from sea bed beyond a water depth of 7 mts. The sand will be taken from the sea bed surface to a maximum thickness of 1mt using a sand pump and will be dumped to sand barge. Sea water will be pumped into the hopper in required speed so that the sand slurry formed flows under gravity to the Geosynthetic tubes aligned at the sea bed using Anchor Blocks. The material requirement for the proposed project is estimated as 5,00,000 cub.mts., of sand and 168 numbers of Geo-synthetic tubes of 15 mts circumference and 25 mts in length.

.14.

3) All the construction would be carried out from a jack up platform using technical personnel and professional divers. About 15 such personnel would live on the jack up platform itself during the entire construction period. The performance of the dyke will be constantly monitored by NIOT at least for a period of 2 years. If the experimental project is not successful, then the entire geotextile tubes shall be cut and the sand will be redistributed within the system thereby restoring the site to its pre-project status.

4) The DCZMA of Kancheepuram district recommended the proposals to the TNSCZMA as per the decision taken in their meeting held on 06.12.2013.

5) The above said activity is permissible activity as per para 3 (iv) (b) of CRZ Notification 2011. However it requires clearance from the Ministry of Environment and Forests, GoI as per para 4 (ii) (a) and (f) of CRZ Notification 2011., as the said activities have not been listed in the EIA Notification 2006 and the proposal is for erosion control measures.

The Authority may consider.

AGENDA ITEM NO:04 Proposed construction of North Cargo Berth III & IV, Dredging in front of North Cargo Berth II, III and IV and filling up of dredged material in to reclaim the Land inside VOC Port Complex proposed by VOC Chidambaranar Port Trust

The DCZMA for Thoothukkudi district have forwarded a proposal for the Proposed construction of North Cargo Berth III & IV, Dredging in front of North Cargo Berth II, III and IV and filling up of dredged material in to reclaim the Land inside VOC Port Complex proposed by VOC Chidambaranar Port Trust, for clearance under CRZ Notification 2011.

2) The VOC Port is having two operational zones viz., Zone A and Zone B, where A is the new port and B is the old anchorage port. The capacity expansion project is proposed with two additional Cargo Berths has 960 acres of water spread and 2150 acres of land area. At present there are 14 Cargo Berths which handle varied types of Bulk Cargo of 23.78 MTPA, presently and the Port is envisaging a Capacity Expansion Project with new Two Bulk Cargo Berths at a cost of Rs.2510 crores, in zone-A on the North side as North Cargo Berth (NCB) III and IV to continue with the existing berths I & II. The Proposed Capacity Expansion Project to enhance the Cargo handling Capacity for the present level of 23.78 to 42.08 MTPA. The estimated dredging is for 6.10 million cubic meters, in front of NCB-II, III and IV and the dredged materials is planned for reclamation of low lying area so that the Port will bring the wastelands for use in Port.

3) The DCZMA have recommended the proposal for consideration as the proposed expansion is within the existing water based and the dredged materials are to be dumped inside the Port area to reclaim land for developmental activities.

4) The activity is permissible activity vide para 3 (iv) of CRZ Notification 2011 based on EIA studies. However as per CRZ Notification 2011, vide para 4 (ii) (a) the above said activity requires clearance from the MoEF., GoI.

The Authority may consider.

AGENDA ITEM NO.05 Environmental Clearance issued already for the development of ship yard cum port complex at Kattupllli village, Ponneri taluk, Tiruvallur district proposed by M/s. L&T Ship building, Chennai - Amendment requested regarding.

M/s. L&T Ship building Ltd., Chennai has obtained Environmental Clearance under CRZ Notification 1991, from MoEF., GoI, Ir. No. 10-130/2007-IA-III dated 3rd July 2009 for the development of ship yard cum port complex at Kattupllli village, Ponneri taluk, Tiruvallur district, based on the recommendation of the Tamil Nadu State Coastal Zone Management Authority, in the 47th meeting held on 17.10.2008 for the following activities.

Description	Capacity	Capacity in MTPA
Container handling	2 Million TEU/Annum	~ 24
Steel Cargo handling	5 Lakh Tonnes/Annum	0.5
Project Cargo & Break Bulk Cargo	5 Lakh Tonnes/Annum	0.5
Total		25

2) M/s. L&T Shipbuilding Limited, Chennai has requested for the amendment in their existing Environmental Clearance issued in Ir. No. 10-130/2007-IA-III dated 3rd July 2009., in respect of the handling capacity at Kattupalli Port, as follows., as per Revised Traffic.

Description	Capacity	Capacity in MTPA
Container handling (Mn TEU's)	1.80 Million TEU/Annum	21.60
Ro-Ro (nos)	1,49,899	0.22
Project Cargo (MTPA)	0.44	0.44
Break Bulk/ General Cargo (Barytes /Gypsum/ Limestone / Granite/ Steel Cargo) (MTPA)	1.82	1.82
Edible Oil, Base oil, Lube Oil and Non Hazardous Liquid Cargo (MTPA)	0.57	0.57
Total		24.65

3) In this connection, the applicant has informed that the above amendment is envisaged only for the storage area development to accommodate revised traffic projections and to accommodate proposed Ro-Ro, Non-Hazardous liquid cargo and revised traffic project/break bulk cargo. The proposed storage areas for Liquid Cargo, Ro-Ro and project/break bulk cargo are falling beyond CRZ area. However the Cargo handling operations at berths and its equipments such as Liquid Cargo handling pipelines, Marine (UNO loading arms, transportation of project / break bulk cargo between storage area and the berths using trucks, wheeled cargo such as automobiles, trucks, trailers or railroad cars that are driven on and off the vessel on their own wheels are envisaged in CRZ areas i.e., in CRZ I (inter tidal zone), CRZ-III & CRZ-IV. Further the prior environmental clearance obtained for about handling of 25 MTPA and the present projects of total traffic volume is about 24.65 MTPA.

4) As per the general conditions imposed in the Clearance referred above vide para (xii) that "in case of deviation or alteration in the project including the implementing agency, a fresh reference shall be made to MoEF for modification in the clearance conditions or imposition of new ones for ensuring environmental protection." Further as per CRZ Notification 2011, para 4(i)(a) clearance shall be given for any activity within the CRZ if it requires waterfront and foreshore facilities and vide para 4 (ii) (f) the above said operations required clearance from the MoEF., GoI.

The Authority may consider.

AGENDA ITEM NO:06 Widening of the existing ECR of two lane to four lane from 22/300 km to 55/800 km for 18.7 kms proposed by TNRDC in Kancheepuram district.

The Tamil Nadu Road Development Company Ltd., (TNRDC), Chennai have submitted a proposal for Widening of the existing ECR of two lane to four lane from 22/300 km to 55/800 km for 18.7 kms proposed by TNRDC of Kancheepuram district for clearance under CRZ Notification 2011.

2) The Total length of the road of widening is 33.50 kms and the out of which 18.7 kms road is falling in CRZ. Total project cost in CRZ is Rs.98.40 crores. The road is passing through CRZI (B) inter tidal zone, CRZ-III and also CRZ IV. In the process of widening the existing road, it is also proposed by the applicant to expand the 5 minor bridges and 6 culverts and also to construct a new major bridge adjacent to the existing major bridge,. Project stretch has a 2 land carriageway of 7.0m wide with paved shoulder of 1.75m on either side and beyond the paved shoulder, earthen shoulder exists for about 1.0m width. As the project road has around 45m Right of Way and to avoid land acquisition, the improvements are proposed within the existing Right of Way. The Ministry of Environment and Forests, GoI have issued Environmental Clearance for the ECR in Ir. No. J-21012/33/92-IA-III dated 11th February 1994.

3) As per CRZ Notification 2011 vide para 8 ICRZI(ii) (g), 8 III CRZ III(A) (iii) (j) and 8 III CRZ III (B) (viii), construction of roads and bridges is permissible activity. Further improvement of existing roads is not a prohibited activity in CRZ and as per para 5 (x) of CRZ Notification the developmental activities shall be regulated by the State CZMA within the frame work of approved CZMP.

4) The Authority may consider.

AGENDA ITEM NO:07

Proposed construction of Lord Venkateswara Temple at S.No. 633/3, 4 part, 6 part, 7 and 8, Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district proposed by Tirumala Tirupati Devasthanams (TTD), Tirupati.

The DCZMA for Kanyakumari district have forwarded a proposal for the construction of Lord Venkateswara Temple at S.No. 633/3, 4 part, 6 part, 7 and 8, Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district for clearance under CRZ Notification 2011 proposed by Tirumala Tirupati Devasthanams (TTD), Tirupati.

2) In the project site of 1.84 Ha, there is no Government or Forests land. The TTD proposed to construct in the project site as Divyakshetram complex consisting of Sri Venkateswara Swamy, Sridevi Ammavaur, Bhudevi Ammavaru temples, Vedapatasala, Gosamarakshanasala, information center with e-dharshan counter, staff quarters and other ancillary works. The temple complex will be of two floors with overall size of 45.27 X 70.91 m. Stilt floor consists of hall for performing kalyanothsavams and other ritual functions related to the temple, office room, e-seva counter. Plot area is 18,361sq.mts. Plot coverage is 30.29% Build up area will be 7331.40 sq.mt., FSI 0.39. Project cost is Rs.22.50 cores. The Kanyakumari Town Panchayat will supply the required fresh water of 50 cum/day. STP is proposed is proposed to treat the wastewater/domestic sewage and indicated that the above project is a zero effluent discharge project. Solid wastes will be composted with Organic Waste Converter (OWC).

3) The DCZMA have informed that the site is falling in CRZ-II. The E.O., of Kanyakumari Spl. Grade Town Panchayat and the DCZMA have informed that the project site is on the seaward side. However he certified that the site is on the land ward side of the proposed scheme road of 12mts wide approved by the Director of Town and Country Planning during 1991.

4) As per the CRZ Notification 2011 vide para 8 II CRZ-II (i) & (ii) new construction of buildings shall be permitted in CRZ-II areas on the landward side of the existing and proposed roads, as on 19.02.1991 and as per the town and country planning regulations including FSI/ FAR norms as on 19.02.1991.

The Authority may consider.

AGENDA ITEM NO.08 Proposed construction of Government Rest House for monitoring and inspection at S.No. 560, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district proposed Forests Department.

The DCZMA for Kanyakumari district have forwarded a proposal for the construction of Government Rest House at S.No. 560, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district proposed by Forests Department for clearance under CRZ Notification 2011.

2) The DCZMA have informed that the site is falling in CRZ-I inter tidal zone. However the applicant Viz., DFO., Kanyakumari district has indicated in their application that the project site is falling in CRZ-III.

3) As per CRZ Notification 2011, vide para 3 (i) (a) constructions of coastal police stations and the like are permissible activities as they are declared as the "foreshore facilities". Further vide para 3 (xiv) of the said Notification facilities for patrolling and vigilance activities of marine/coastal police station are permissible activities.

4) In the proposal the DFO, Kanyakumari district has informed that Forest Plantation especially with medicinal plants have been raised all over the area of 50083.075 Ha of Reserve Forest and 1539.33 Ha of Reserve land under the control of Kanyakumari Forest Division. The DFO also informed that plan proposal at a cost of Rs.57.50 for the five years (2013-17) has been sent to Government for approval for plantation. Further DFO added that a part of Gulf of Mannar Biosphere Reserve come under their jurisdiction and wetland conservation works have been undertaken by them.

5) In view of above, the DFO , Kanyakumari has informed that all the above activities requires frequent inspection and monitoring by them and also by High Level Official from MoEF., GoI., Department of Environment, Government of TN., Considering the above facts Government of Tamil Nadu in G.O. (2D) Environment and Forests dated 13.05.2013 have allocated Rs.50.00 lakhs for the construction of rest house to utilize for frequent inspection and monitoring.

6) As per CRZ Notification 2011, vide para 3 (i)(a) construction of coastal police stations and the like are permissible activity as it is declared as one among the foreshore facility. Further as per para 3 (xiv) setting up of facilities required for patrolling and vigilance activities of marine/coastal police stations are permissible activities.

The Authority may consider.

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

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

Sd/-xxx
Thiru Mohan Verghese Chunkath., I.A.S.,
Chairman, TNSCZMA and
Addl., Chief Secretary to Government,
Environment & Forests Dept., Chennai - 9.

**EXTRACT OF THE MINUTES OF THE 75th MEETING OF THE TAMIL NADU
STATE COASTAL ZONE MANAGEMENT AUTHORITY HELD ON 19.12.2013**

AGENDA ITEM NO:10 Proposed construction of shoreline protection structures in Tamil Nadu by the Public Works Department - direction issued by the National Green Tribunal - further action regarding.

A meeting was convened by the MoEF., GoI at New Delhi on 18.12.2013, on the subject and the Member Secretary, TNSCZMA, who attended the said meeting, has briefed that the MoEF., GoI have requested all the States to make a study and evolve the measures for sustainable coastal zone management as directed by the NGT.

2) In this connection he further added, as a part of the project viz., Assessment of shoreline change for India, shoreline changes in the coastline of Tamilnadu has been mapped by Institute of Ocean Management (IOM)/ National Center for Sustainable Coastal Management (NCSCM). As the shoreline change assessment maps prepared by the NCSCM is the first of its kind, having the erosion study data on shoreline changes in Tamilnadu for the period from 1972 to 2010 about 30 years., the Authority has validated the said maps in the 67th meeting held on 10.07.2013.

3) Hence the Member Secretary, TNSCZMA has suggested that the Institute of Ocean Management/ the National Center for Sustainable Coastal Management may be requested to make a study especially on sediment cells and evolve/ suggest the measures for sustainable coastal zone management in respect of the 13 districts in Tamil Nadu, within a period of two months and the fact may informed to the NGT. The Authority has accepted the suggestions put forth by the Member Secretary, TNSCZMA and resolved to request NCSCM to furnish a report as indicated above accordingly.

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

Sd/-
Thiru Mohan Verghese Chunkath., I.A.S.,
Chairman, TNSCZMA and
Addl., Chief Secretary to Government,
Environment & Forests Dept., Chennai - 9.
/forwarded by order/

For Director of Environment

**MINUTES OF THE 76th MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY HELD ON 21.03.2014**

**AGENDA ITEM NO.01: Confirmation of the Minutes of the 75th meeting of the
Tamil Nadu State Coastal Zone Management Authority
held on 21.03.2014.**

The minutes of the 75th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.12.2013 communicated in Letter No.P1/141/2013 dated 28.12.2013 of the Director of Environment, was confirmed.

**AGENDA ITEM NO.02: Report on the follow up action taken in respect of
decisions taken during the 75th meeting of the
TNSCZMA.**

The Member Secretary and the Chairman, TNSCZMA briefed the members about the action taken by the Department of Environment and by the Government, respectively, on the decisions taken during the 75th meeting of the Tamil Nadu State Coastal Zone Management authority held on 19.12.2013.

**AGENDA ITEM NO.03 Construction of experimental submerged dyke -
Pilot study for sustainable shoreline management at
Kadalur periakuppam, Kancheepuram district
proposed by the Fisheries Department regarding.**

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

- a) There should be sufficient clearance from the submerged dykes to the sea level for the safe, uninterrupted sailing of boats and for fishing activities.
- b) There should be proper markers indicating the presence of dykes to the fishermen.
- c) The fishermen should be properly educated on the proposed experimental project, prior to the commencement of activities.
- d) The activity should not have any adverse impact on the marine organisms.
- e) No road shall be formed in CRZ.

.2.

- f) Only those activities on experimental basis, mentioned in the proposal and which are absolutely essential should be constructed.
- g) The proposed activity shall not cause hindrance to the nearby human settlements/ authorised structures and fishing activities.
- h) There shall be no extraction of ground water.
- i) There should not be any sea water intrusion or erosion on the adjacent coastal areas due to the proposed experimental activities and to ensure the same, periodical monitoring shall be conducted.

AGENDA ITEM NO:04 Proposed construction of North Cargo Berth III & IV, Dredging in front of North Cargo Berth II, III and IV and filling up of dredged material in to reclaim the Land inside VOC Port Complex proposed by VOC Chidambaranar Port Trust.

The Authority resolved to request the applicant to furnish the following additional details for taking further action.

- a) The Gulf of Mannar Bio Sphere reserve is falling with in 10 kms from the project site. The proposal aims to construct the additional berth by dredging about 6 million cu.m of sea bed (up to 8m from bed level) and dump the dredged material into the sea on either side of existing breakwaters which leads to reclaim land from the sea. Dumping of dredged waste is proposed to be completed in a phased manner covering period of two years. The port has claimed that a dispersion study carried out using a dispersion model indicates that the spread of dredged material in the form of plume is limited and it does not affect the surrounding area especially the coral island of Vaan which is part of Marine Park. The island is about 8km north of one of the dumping areas and the dumping area is within the radius of buffer zone of 10 km from the island called Ecologically Sensitive Zone. Therefore dumping in this region requires a close examination.

.3.

- b) The Modeling has been performed based on the secondary data or derived data which may not provide accurate extent of spread of dumped material. It is necessary to collect appropriate field data on currents etc., to perform the model.
- c) The EIA report furnished by the unit is having more baseline data but without adequate impact assessment and management plan with reference to the proposal. A fresh EIA/EMP reports shall be furnished with the probable impact on the existing eco-sensitive zone due to the implementation of the project, mitigation measures to be implemented on the adverse impact, if any. The report should cover Comprehensive Marine Water Quality assessment with reference to the parameters viz., physical, chemical, heavy metals, biological, bacteriological , fish eggs, larvae etc., on the eco-sensitive zone with reference to the project.
- d) A system shall be evolved for a close and continuous monitoring during installation phase and as well as implementation phase through the reputation institutions such as SDMRI, Tuticorin/ National Center for Sustainable Coastal Management (NCSCM), Anna University, Chennai/ Gulf of Mannar Biosphere Trust.

AGENDA ITEM NO.05 **Environmental Clearance issued already for the development of ship yard cum port complex at Kattupalli village, Ponneri taluk, Tiruvallur district proposed by M/s. L&T Ship building, Chennai - Amendment requested regarding.**

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

- a) The unit shall comply all the conditions stipulated in the Environmental Clearance issued in No. 10-130/2007-IA-III Ministry of Environment and Forests, GOI dated 3rd July 2009.

.4.

- b) The proposed activities should not cause coastal erosion and alter the beach configuration. The shoreline changes shall be monitored continuously.
- c) Chemical waste generated and the sewage generated, if any, should not be discharged into the sea and shall be properly handled.
- d) The waste water generated shall be collected, treated and reused properly.
- e) The proponent shall implement the oil spill mitigation measures without fail.
- f) Disaster Management Plan shall be implemented and Mock drills must be carried out properly and periodically.

AGENDA ITEM NO:06 **Widening of the existing ECR of two lane to four lane from 22/300 km to 55/800 km for 18.7 kms proposed by TNRDC in Kancheepuram district.**

The Authority resolved to clear the above proposals subject to the following specific conditions;

- a) The village level cadastral maps showing the details of widening of roads in CRZ areas with survey numbers shall be furnished.
- b) The constructions of bridge should be carried out in such a way that they should not affect the hydraulic free flow of water.
- c) Adequate Green belt plantation along the road should be undertaken in consultation with Forests Department.
- d) There shall be no extraction of ground water.
- e) No liquid or solid waste shall be generated and disposed off in CRZ.

AGENDA ITEM NO:07 **Proposed construction of Lord Venkateswara Temple at S.No. 633/3, 4 part, 6 part, 7 and 8, Kanyakumari village, Agastheeswaram Taluk, Kanyakumari district proposed by Tirumala Tirupati Devasthanams (TTD), Tirupati.**

The Authority resolved to clear the above proposals subject to the following specific conditions;

.5.

- a) The proposed constructions should satisfy the FSI/ FAR norms as per the Town and Country Planning regulations as on 19.02.1991 and Planning Permission shall be obtained from the Department of Town and Country Planning prior to the commencement of activities.
- b) There should not be any ground water extraction in CRZ.
- c) Solid Waste Management Plan should be formulated and to be implemented without depending wholly on the local bodies for this purpose.
- d) Green belt development shall be implemented.
- 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.08 **Proposed construction of Government Rest House for monitoring and inspection at S.No. 560, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district proposed Forests Department.**

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

- a) Planning permission should be obtained for the proposed constructions from the local authorities or Department of Town and Country Planning Concerned.
- b) There should not be any ground water extraction in CRZ.
- c) Proper arrangements should be made for the disposal of solid wastes generated in the project area.

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

Sd/-xxxx
Thiru Mohan Verghese Chunkath., I.A.S.,
Chairman, TNSCZMA and
Addl., Chief Secretary to Government,
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