

106th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 25.07.2019

Time: 11.00 A.M

Venue:

Conference Hall, 2nd floor,
Namakkal Kavinger Maligai,
Secretariat, Chennai - 600 009

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AGENDA ITEM NO.01: Confirmation of the minutes of the 105th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 21.05.2019.

The 105th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 21.05.2019 and the minutes were communicated in letter No. P1/2200/2018 dated 28.05.2019 (copy enclosed) of Director of Environment. It may be confirmed.

**MINUTES OF THE 105th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 21.05.2019**

AGENDA ITEM NO.01: Confirmation of the minutes of the 104th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.02.2019.

The minutes of the 104th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.02.2019, communicated, to the Members of the Authority in letter No. P1/2200/2018 dated 08.03.2019 of the Director of Environment was confirmed.

AGENDA ITEM NO.02: The action taken on the decisions of 104th meeting of the Authority held on 27.02.2019.

The Member Secretary briefed the Members about the action taken by the Department of Environment on the decisions taken during the 104th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.02.2019. The Authority noted the action taken.

During the discussions, the Chairman emphasized that apart from the applicants, the executing/ implementing agencies should be instructed to make available in the Authority meetings and necessary undertaking should also be obtained from them that they are fully aware of the project activities, on their part.

AGENDA ITEM No.03 Eco-Restoration of Adyar River - 2000m - 4800m Chainage from Thiru Vi.Ka Bridge to 400m upstream of Kotturpuram Bridge by Chennai Rivers Restoration Trust (CRRT), Chennai.

The Authority resolved to recommend the proposal to the Ministry of Environment, Forest and Climate Change, GoI., subject to the following specific conditions:

- i) The de-silting of River Adyar shall be undertaken only once.
- ii) The silt generated shall be scientifically disposed in suitable, outside CRZ area after analyzing the characteristics of the sedimentation.
- iii) 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.

- iv) The greeneries proposed in the CRZ area shall be undertaken in consultation with the Forests Department.
- v) For planting mangroves, the Institutions like MSSRF shall be involved in the survival, growth of the Plantations and an agreement shall be executed with them for a period of 3 to 5 years and the payment shall be linked with the actual survival and growth rate, which ensure the protection of plantation.
- v) The modular STPs proposed in the CRZ area shall be temporary nature to treat the raw sewage let into the river Adyar, until permanent measures are taken by the CMWSSB to provide sewerage network for treatment and disposal.
- vi) The adequacy of the installation of STP should be studied. The treated sewage shall meet the disposal standards as prescribed by the TNPCB and to be utilized for greenery development or (or) for other beneficial use.
- vii) The Consent to Establish (CTE) of the TNPC Board shall be obtained prior to the establishment of the STPs.
- viii) Food Courts should not be established. There should not be any cycle track, children play ground, view point and terraces.
- ix) Walk way should be paved for only maintenance purpose.
- x) Necessary consent should be obtained from the implementing agency viz., Chennai Metro Water Supply and Sewage Board for the continuance of operations, maintenance etc., after commencement of the project.

AGENDA ITEM NO. 04 Establishing 15 MLD Capacity Desalination Plant at S.No.817/1, 817/2, Mullakadu Part-I Village, Thoothukudi Taluk, Thoothukudi District by M/s. South Water Alliance (P) Ltd., Chennai

The Authority resolved to recommend the proposal to the Ministry of Environment, Forest and Climate Change, GoI., subject to the following specific conditions:

- a) The project proponent shall undertake the establishment only after getting all the required Clearances such as Planning Permission, CTE from TNPCB, Clearance under CRZ Notification, 2011 etc., from Competent authorities.

.04.

- b) The clearances/ approvals from the Revenue Department and Tamil Nadu Maritime Board for laying of pipeline in the areas under their control shall be obtained before the commencement of the establishment.
- c) No Objection Certificate from the Wildlife Warden, Gulf of Mannar Biosphere and National Park, Mandapam, Ramanathapuram district shall be obtained.
- d) The alignment of the intake and outfall pipelines, and the diffuser at the outfall line shall be in strict compliance to the study carried out by the Department of Ocean Engineering, IIT, Madras.
- e) The project proponent shall not draw any groundwater in CRZ area, under any circumstances.
- f) The temperature of water at the outfall point should be maintained within the prescribed levels. This may be monitored regularly through an institute and fact may be reported to Department of Environment.
- g) The Project should not in any way affect the fishing activities and also should not hinder the livelihood of the Fishermen.
- h) The project proponent shall remit the taxes payable to the Thoothukudi Municipal Corporation such as Vacant Land Tax and Property Tax, as and when such demands are made.
- i) The project proponent shall not 'use and throwaway plastics' such as plastic sheets used for food wrapping spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bags and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, areca nut palm plate, stainless steel glass, porcelain plates / cups, cloth bag, jute bag etc.,
- j) The project proponent shall undertake continual awareness programme against the use of 'use and throw plastic' items, within the premises and also at the community level, by erecting display boards depicting the environmental hazards of plastics, alternates to plastics, etc.,

AGENDA ITEM No.05 **Establishing 11 Nos. of Edible Oil Storage Tanks including the laying of pipeline from the oil jetty to the Storage Terminal at Plot No.A, Tuticorin Port Trust, Thoothukudi by M/s. KOG-KTV Food Products (India) Pvt. Ltd., Thoothukudi**

The Authority resolved to recommend the proposal to the Ministry of Environment, Forest and Climate Change, GoI., subject to the following specific conditions:

- a) The construction of storage tanks shall satisfy the prescribed standard norms.
- b) 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.
- c) The applicant shall obtain consents under Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981 from the TNPCB.
- d) The unit shall ensure the integrity of pipeline proposed for the transport of edible oil and to ensure any leak.
- e) Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
- f) There should not be any extraction of ground water in CRZ.
- f) The proposed facility shall be utilized only for the storage of Edible Oil.
- g) The project proponent shall undertake the establishment of the facility and laying of pipeline, only after getting the required statutory clearances.
- h) The Project should not in any way affect the fishing activities and also should not hinder the livelihood of the Fishermen.
- i) The project proponent shall remit the taxes payable to the Thoothukudi Municipal Corporation such as Vacant Land Tax and Property Tax, as and when such demands are made.
- j) The project proponent shall not 'use and throwaway plastics' such as plastic sheets used for food wrapping spreading on dining table etc., plastic plates, plastic coated

tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bags and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, areca nut palm plate, stainless steel glass, porcelain plates / cups, cloth bag, jute bag etc.,

- k) The project proponent shall undertake continual awareness programme against the use of 'use and throw plastic' items, within the premises and also at the community level, by erecting display boards depicting the environmental hazards of plastics, alternates to plastics, etc.,

AGENDA ITEM No.06 **Proposed Doctor's Beach Project of Residential Plots at S.Nos. 106/2, 106/3, 106/4, 106/5, 106/6, 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4, 110/5, 111/1, 111/2, 111/3 and 111/4 at Marakkanam North Village (Thalangadu Village), Marakkanam Taluk, Villupuram district by M/s. DS Propertiei, Chennai.40.**

The Authority resolved to request the applicant to furnish the details of plots falling in the CRZ-II areas (i.e, from 0 to 500 mts from the HTL of sea) and Outside CRZ areas duly superimposing in the HTL demarcation map. The Authority further resolved to issue NOC in respect of the plots, which are falling in Non-CRZ areas, the DTCP shall issue approval duly following the Town and Country Planning rules and regulations.

2) Further the Authority resolved to request the applicant to apply for the Clearance, if required, in respect to the plots, which are falling in CRZ-II area (i.e., 0 to 500mts from the HTL of sea) separately, along with the ownership land documents of the said plots.

AGENDA ITEM No.07 **Proposed construction of terrace building for St. Alex Church, Kottipadu, Colachel at R.S.No.774/6,8, 10, 11, 12, 13,14, 16, 17,23 of Lekshmipuram Village, Kalkulam Taluk, Kanyakumari district by The Parish Priest, St.Alex Church, Kottipadu, Kanyakumari Dist.**

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

- a) Prior Planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and para 8 (i) II CRZ II (i) (ii) & (iii) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
- b) The proposed construction should be used only for the prayer purpose.
- c) There should not be any ground water extraction in CRZ.
- 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. 08 Comprehensive Study on the impact of the presence of several hotels, beach resorts and other recreational / tourism activities on the coastal and marine eco-system between Chennai and Mamallapuram

The Authority appreciated the Power Point Presentation made by M/s. Care Earth Trust. The Authority resolved to make a ToR in consultation with the Technical Members of the Authority, duly identifying the scope that may be carried out at a cost of Rs 7.60 lakhs. Based on the ToR, an Expression of Interest will be invited by the Director of Environment from the reputed and eligible consultants in the field.

AGENDA ITEM No.09 Safe Disposal of oil spill waste in storage at Kamarajar Port proposed by Centre for Environment, Health & Safety, Annamalai University

As the issue is pending for a long time, for want of suitable solutions, the Authority resolved to entrust the work to the Centre for Environment, Health and Safety, Annamalai University. The Authority also resolved to execute the work in co-ordination with Dr. Indhumathi, IIT Madras, Indian Oil Corporation (IOC) and the Tamil Nadu Pollution Control Board.

AGENDA ITEM No.10 **Implementation of CRZ (CRZ) Notification, 2019 issued by the MoEF&CC., GoI - deferred till the revision/updation of Coastal Zone Management Plans of Tamil Nadu, under the provisions of the CRZ Notification 2019.**

The Authority resolved to recommend and re-send the following four proposals to the Ministry of Environment, Forests and Climate Change, GoI subject to the terms and conditions stipulated in the 104th meeting of the TNSCZMA held on 27.02.2019.

- i) Four / Six/ Eight laning of Mamallapuram to Mugaiyur Section of NH-332A from KM. 0.000 to KM 31.000 under Bharathmala Pariyojana, Phase-I (Package-I) in Kancheepuram Dist.by National Highways Authority of India.
- ii) Four / Six/ Eight laning of Mugaiyur to Marakkanam Section of NH-332A from KM 31.000 to KM. 62.000 under Bharathmala Pariyojana, Phase-I, Package II, in Villupuram & Kancheepuram Dist. by National Highways Authority of India
- iii) Development of Rail Corridor at MIDPL Port Facility at Kattupalli Village, Ponneri Taluk, Tiruvallur District by Marine Infrastructure Developer Pvt. Ltd., Kattupalli, Tiruvallur district
- iv) Providing temporary walkways for the differently abled persons at Marina Beach of Triplicane and Mylapore Village, Mylapore Taluk, Chennai District proposed by the Greater Chennai Corporation.

The Authority also resolved to request all the stakeholder Departments to take action based on the approved CZMP as per the CRZ Notification 2011 along with the provisions of CRZ Notification 2011. Further, they may be requested that the implementation of CRZ Notification 2019 shall be effected only after the CZMPs of the Tamil Nadu are updated/revised under the provisions of CRZ Notification 2019.

Addl.Agenda Item No.11(i): **Proposed construction of Lighthouse at S.No. 1219/6, Dhanuskodi Village, Rameswaram Taluk, Ramanathapuram District by Director of Lighthouse and Lightships, Chennai.**

The Authority resolved to recommend the proposal to the Ministry of Environment, Forest and Climate Change, GoI., subject to the following specific conditions:

- a) There should not be any ground water extraction in CRZ.

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- b) Proper arrangements should be made for the disposal of the solid wastes and the sewage generated in the project area during construction period and a Waste Management Plan shall be implemented to avoid disturbances to the flora, fauna and Marine environment of the project area.
- c) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- d) The proponent shall get prior planning permission from the Director of Town and Country Planning.
- e) The project proponent shall undertake continual awareness programme for the visitors against the use of 'use and throw plastic' items, within the premises and also at the community level, by erecting display boards depicting the environmental hazards of plastics, alternates to plastics, etc.,
- f) All activities should be in conformity with the provisions of the CRZ Notification 2011.

Addl. Agenda Item No.11(ii):

Proposed construction of compound wall for the development of Green belt in the existing Cancer Diagnostic, Treatment and Research Hospital-Cancer Institute (WIA) at Kottur Village, Guindy Taluk proposed by the Secretary, Cancer Institute, Adyar, Chennai

The land belongs to the PWD and the Cancer Institute, Adyar, Chennai is only the lessee and the Works are proposed to be executed by the Greater Chennai Corporation. Hence the Authority resolved to request the Cancer Institute (WIA), Chennai to arrange to file application by the Greater Chennai Corporation, who is the executing agency, for the Clearance, along with the NOCs from the PWD, Cancer Institute, CRRT, Buckingham Canal Authority etc.,

Addl. Agenda Item No.11(iii) : Golf Course Project Tamil Nadu by M/s. Sporting Pastime India Limited at Odhiyur hamlet of Mudaliyarkuppam Village, Cheyyur Taluk, Kancheepuram District - To retain in CRZ-III

The Authority resolved to send a copy of the report received from the National Centre for Sustainable Coastal Management (NCSCM) to M/s. Sporting Pastime India Ltd., for furnishing their comments on the report, along with the documents available with them, evidencing that the physical features like, sand dunes, water bodies on the project site have been developed by them, as the essential to international Golf Course and not natural features.

Further the Authority resolved to send the reports of the NCSCM, recommendation of the District Coastal Zone Management Authority of Kancheepuram district together with the comments and document evidences of the Project Proponent to the Ministry of Environment, Forests and Climate Change, GoI, to consider their request to retain their project area as CRZ-III.

Addl. Agenda Item No.11(iv) : Study Tour of Coastal areas for the staff members of Environment & Forests Department

The Authority resolved to approve the proposal to conduct the field exposure trip to the selected staff and officers of the Environment Control Wing of the Environment and Forest Department, Secretariat and also who are dealing the related matters in the Department of Environment, so as to acquire better field exposure on Ecological Sensitive Areas and Coastal Regulation Zones.

2) The Authority requested the Member Secretary of the Authority to conduct the field exposure trip through Environment Management Agency of Tamil Nadu (EMAT) to Andaman-Nicobar islands or Kerala Coastal backwaters areas. Further the Authority resolved to permit the Member Secretary of the Authority to incur Rs.3,75,000/- (Rupees Three lakhs Seventy Five Thousand only) from the grants available under the State Coastal Zone Management Fund, towards necessary arrangements and logistics, in connection with the above field exposure.

GENERAL:

The Authority requested the Members of the Authority to identify suitable locations outside the Country having areas rich in biodiversity especially coastal areas and conservation and management of coastal areas, for visit and study the characteristics so as to formulate suitable proposals to implement in the State to enhance the divergence of the Eco-system.

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

Sd./- xxxx
Thiru Shambhu Kallollikar, 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 105th meeting of the Authority held on 21.05.2019

Sl. No.	subject	Action taken
01	Eco-Restoration of Adyar River - 2000m - 4800m Chainage from Thiru Vi.Ka Bridge to 400m upstream of Kotturpuram Bridge by Chennai Rivers Restoration Trust (CRRT), Chennai.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /2959/2018 dated 31.05.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 9444/EC-3/2019-1 dated 20.06.2019.
02	Establishing 15 MLD Capacity Desalination Plant at S.No. 817/1, 817/2, Mullakadu Part-I Village, Thoothukudi Taluk, Thoothukudi District by M/s. South Water Alliance (P) Ltd., Chennai	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /615/2019 dated 31.05.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 9442/EC-3/2019-1 dated 13.06.2019.
03	Establishing 11 Nos. of Edible Oil Storage Tanks including the laying of pipeline from the oil jetty to the Storage Terminal at Plot No.A, Tuticorin Port Trust, Thoothukudi by M/s. KOG-KTV Food Products (India) Pvt. Ltd., Thoothukudi	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /614/2019 dated 03.06.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 9592/EC-3/2019-1 dated 27.06.2019.
04	Proposed Doctor's Beach Project of Residential Plots at S.Nos. 106/2, 106/3, 106/4, 106/5, 106/6, 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4, 110/5, 111/1, 111/2, 111/3 and 111/4 at Marakkanam North Village (Thalangadu Village), Marakkanam Taluk, Villupuram district by M/s. DS Propertiei, Chennai.40.	As resolved by the Authority, no objection to issue planning permission for outside CRZ areas, has been issued to the applicant vide letter No. P1/466/2019 dated 11.07.2019. The applicant has also apply for Clearance which the plots falling in CRZ areas. The proposal has been again placed now in the Agenda Item No. 10.

05	Proposed construction of terrace building for St. Alex Church, Kottipadu, Colachel at R.S.No.774/6,8, 10, 11, 12, 13,14, 16, 17,23 of Lekshmipuram Village, Kalkulam Taluk, Kanyakumari dist. by The Parish Priest, St.Alex Church, Kottipadu, K.K. Dist.	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/1549/2018 dated 30.05.2019
06	Comprehensive Study on the impact of the presence of several hotels, beach resorts and other recreational / tourism activities on the coastal and marine eco-system between Chennai and Mamallapuram	The draft ToR was circulated to the Technical Members of the Authority, vide letter No. P1/315/2019 dated 07.06.2019. The suggestions received from the Technical Members are now placed in the Agenda item No.13.
07	Safe Disposal of oil spill waste in storage at Kamarajar Port proposed by Centre for Environment, Health & Safety, Annamalai University	Action is being taken to follow the Tender formalities.
08	Implementation of CRZ (CRZ) Notification, 2019 issued by the MoEF&CC., GoI - deferred till the revision/updation of Coastal Zone Management Plans of Tamil Nadu, under the provisions of the CRZ Notification 2019.	<p>The Implementing Departments have been instructed to follow the approved CZMP prepared as per the CRZ Notification, 2011 along with the provisions of the CRZ Notification, 2011, vide letter No.P1/122/2019 dated 11.06.2019.</p> <p>The four proposals returned from MoEF & CC, GoI has been sent to GoTN for recommending to GoI, as per the CRZ Notification, 2011</p>
09	Proposed construction of Lighthouse at S.No. 1219/6, Dhanuskodi Village, Rameswaram Taluk, Ramanathapuram District by Director of Lighthouse and Lightships, Chennai.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /1199/2019 dated 30.05.2019. The E&F Dept., GoTN, forwarded the proposal to MoEF&CC., GoI in letter No. 9443/EC-3/2019-1 dt. 13.06.2019.
10	Construction of compound wall for the development of Green belt in the existing Cancer Diagnostic, Treatment and Research Hospital-Cancer Institute (WIA) at Kottur Village, Guindy Taluk proposed by the Secretary, Cancer Institute, Adyar, Chennai	As resolved, the applicant has been requested to make arrangements to file the application by Greater Chennai Corporation, vide letter No. P1/778/2019 dated 03.06.2019

11	Golf Course Project Tamil Nadu by M/s. Sporting Pastime India Limited at Odhiyur hamlet of Mudaliyarkuppam Village, Cheyyur Taluk, Kancheepuram District - To retain in CRZ-III	As resolved, the both field verification reports were sent to the Project Proponent for their comments, vide letter No.P1/3194/2018 dated 31.05.2019. The Project Proponent has submitted the comments and the same has been sent to GoTN for forwarding to MoEF & CC, GoI, vide letter No. P1/3194/2018 dated 04.07.2018
12	Study Tour of Coastal areas for the staff members of Environment & Forests Department	As resolved, an amount of Rs.3.75 lakhs has been released to Member-Secretary, EMAT, vide Proc. No. P1/1261/2019 dated 10.06.2019
13	Visit and Study the characteristics at the Coastal Area Eco-System of outside the Country	As resolved, the Technical Members of the Authority have been requested to suggest the place outside the country for visit, vide letter No.P1/1513/2019 dated 14.06.2019. The suggestions received from the Members are placed as Agenda item No. 14.

AGENDA ITEM No.03

Construction of 30" OD Underground Natural Gas Pipeline of M/s. Indian Oil Corporation Ltd., from Ennore LNG Terminal situated inside Kamarajar Port Limited, Ennore, Tiruvallur district to Salavakkam Village, Uthiramerur Taluk, Kancheepuram district

M/s. Indian Oil Corporation Ltd., (IOCL) has proposed to construction of 30" OD Underground Natural Gas Pipeline from Ennore LNG Terminal situated inside the Kamarajar Port Ltd., Ennore, Tiruvallur District to Salavakkam Village, Uthiramerur Taluk, Kancheepuram district. The proposed length of the pipeline is approximately 120 km and it traverses through 18 mtr RoW acquired as per the Petroleum & Minerals Pipeline Act, 1962.

2) The 30" OD Natural gas pipeline originates from the Ennore LNG Import Terminal and crosses the Ennore Creek. The natural gas pipeline passes through CRZ-III (HTL to 100m) Zone for a distance of 1037.41 mts. and in CRZ-IVB (Tidal influenced water bodies) zone for a distance of 655.98 mts. at Ennore. The natural gas pipeline traverses through Ponneri, Uthukottai Taluks and then enters into the RoW of already existing Chennai-Trichy-Madurai Product Pipeline (CTMPL) at pipeline chainage 36.4 km at Boochiathipattu Village, Uthokottai Taluk, Tiruvallur district.

3) The design capacity of this pipeline is 35 MMSCMD expandable upto 85 MMSCMD. The length of pipeline consist 30" OD Main line and suprlines of 6" dia will take off from mainline to deliver natural gas to anchor customers viz., M/s. Saint Gobain, M/s. Hyndai Motors etc., After 36.4 km, the pipeline will be laid in the existing RoW of Chennai-Trichy-Madurai product pipeline acquired in the year 2004 upto Kilakadi Village.

4) The mainline shall be provided with sectionalized valve stations at regular intervals as per Population Density in case of exigencies. The entire pipeline shall be subjected to post installation hydrostatic test as per Petroleum Rules prior to commissioning. The pipeline will be laid underground in the entire stretch with a minimum clear cover of 1.2m above the pipe and in crossing locations, 2m to 10m depending upon the type of crossing.

.16.

5) The project proponent stated that the pipeline crosses Kosasthalaiar River by Horizontal Directional Drilling method which is trenchless technology. The maximum depth of laying of pipeline in CRZ area is 10-15 m below the scour depth the waterbody. During the laying of pipeline the flow of water shall not be affected at any point of time.

6) The requirement of construction water for the project would be met through the public utility system or through water tankers as available. Maximum 5 KLD will be utilized at site. The domestic sewage will be treated in septic tanks and disposed off in soak pits. The power supply shall be arranged from TNEB at Ennore and at Palliagaram. Emergency power has been considered through 1 No. DG set each at Ennore and Palliagaram of suitable capacity with acoustic enclosure.

7) The project proponent stated the following precautions and monitoring methodology being adopted on round the clock basis.

- a) Operation and maintenance of Pipeline shall be monitored through Supervisory Control and Data Acquisition (SCADA) system round the clock. Dedicated Optical Fibre is available for data.
- b) Sectionalizing Valves are provided in between as per the Population Density Index (PDI) classification and PNGRB guidelines. The sectionalizing valve locations are unmanned and remote operated from Control room thorough Optical Fibre Cable (OFC) connectivity. Unmanned stations are provided with CCTV system and the same is managed centrally at the Control Room.
- c) The pipeline RoW shall be patrolled manually on daily basis by DGR Guards and the movement of the DGR Guards are monitored based on the GPS based tracking system.
- d) In case of emergency, the section will be isolated using the sectionalizing valves on both sides and the Natural Gas will be cold flared safely.

8) The DCZMA for Tiruvallur District has recommended the project to SCZMA for the issue of Environment Clearance under CRZ Notification, 2011.

9) As per CRZ Notification 2011, vide para 4 (i) (a) clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities; Further, as per para 8 (i) III CRZ III (A) & (B), the above activities are permissible activities. However as per para 4 (ii) (d), the above activities require clearance from the Ministry of Environment, Forests and Climate Change, GoI.

10) The Authority may consider.

AGENDA ITEM NO. 04 Construction of doubling of Railway Line between Existing Holding Yard No.1 at Ch.00m (Near Bridge No.5) to Entry of Container Rail Terminal Yard of M/s. Kamarajar Port Ltd., at Athipattu, Puzhuthivakkam and Ennore Village of Ponneri Taluk, Tiruvallur district

The Kamarajar Port Limited assigned the Indian Port Rail & Ropeway Corporation Limited, for the construction of the doubling Railway line with the existing railway track to enable the easy way transportation. Presently Kamarajar Port is connected by rail to the Athipattu and Athipattu Pudunagar station located in the Chennai-Gudur Section of the southern railway. The present rail lines that provide access to the Kamarajar Port were constructed by TANGEDCO in the year 1998. One line of the connectivity takes off from the Athipattu Railway station from the main line proceeds east through the Athipattu Village. The two line merge at the apex point and run as a single line to the NCTPS plant siding. The Chettinad coal yard and Sical Iron Yard are also taking off from this line.

2) The coal handling system capacity is 12 MTPA and this can be increased to 16 MTPA by installing additional un-loaders. Marine Liquid Terminal to the capacity of 3 MTPA, the common user coal Terminal to handle coal of 8 MTPA. The general Cargo berth to the capacity to handle 2 lakhs Cars and 0.5 MTPA. For expansion of KPL yard, a new rail alignment will be proposed from existing Holding Yard No.1 at Ch.00 (near bridge No.5) to Entry of Container Rail Terminal Yard. The gauge adopted is 1676 mm Broad Gauge as the existing Railway network is of this gauge. The existing track is electrified, OHE has been considered for the proposed track to have uniformity in operation.

3) The length of the proposed doubling line is 2.650 km. The proposed configuration of railway line junction starts from the point of Bridge No.5 and ends at the Port side. Along this railway line 3 major bridges and 7 box culverts of 2 vents are proposed. The approximate height of the embankment is 4 metre including subgrade layers. It should be checked whether the box culverts will be erected along the River or in Inter-tidal Zone. If so, the design should be ensure the tidal free flow of water.

4) The project proponent has stated that the total length of the railway line is 2.65 km, out of which 1.446 km falls under CRZ-IA, CRZ-IB, CRZ-II and CRZ-IVB area. The project proponent stated that the mangrove areas which get affected during the construction of major bridge will be around 23 Nos. of trees in an area of 20 sq.m at Kosasthalaiyar River. The Project proponent committed for plantation 69 Nos. of mangroves (three times compensation) in nearby project site. The total cost of the project is Rs.40 crores.

5) The DCZMA for Tiruvallur District has recommended the project to SCZMA for the issue of Clearance under CRZ Notification, 2011.

6) As per CRZ Notification 2011 vide para 8(i) I CRZ-I (i) (b), construction of pipelines, conveying systems including transmission lines is permissible activities in CRZ-I. As per Para 3 (iv) (a), land reclamation, bunding or disturbing the natural course of seawater except expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sea link, road on stilts are also the permissible activities. However, as per para 4 (ii) (d), the above activities require clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.

7) The Authority may consider.

AGENDA ITEM No.05

Erection of Transmission tower and transmission line for 400 KV power evacuation line from SEZ to Ennore Thermal Power Station (ETPS) expansion project, SEZ to North Chennai (NC) Pooling Station, EPS expansion project to NC Pooling Station and 765 KV Power evacuation line from North Chennai Thermal Power Station-Stage-III (NCTPS-III) to NC Pooling Station at Ennore by M/s. Tamil Nadu Transmission Corporation Limited (TANTRANSCO)

M/s. Tamil Nadu Transmission Corporation Limited (TANTRANSCO) has proposed to erection of transmission tower and transmission line at Ennore of Tiruvallur district. The proposed towers and lines passes through Vayalur, Kattupalli, Puzhuthivakkam, Athipattu, Ennore, Vallur, Kattivakkam, Edayachavadi, Ernavur, Sadayankuppam Villages of Ponneri Taluk, Tiruvallur District.

2) The proposed project is 24X7 power supply for all is a Joint initiative of State Government with an objective to Strengthen the power supply infrastructure and make 24x7 reliable and quality power available to all households, industries, commercial etc., The project proposal consist of 400 KV and 765 KV power evacuation lines, which connects to places as given below.

a) For 400 KV power evacuation line connects to places

i) From SEZ to ETPS expansion project

ii) From SEZ to North Chennai Pooling Station

iii) From ETPS Expansion project to North Chennai Pooling Station

b) For 765 KV power evacuation line connects to places

i) From NCTPS-III to North Chennai Pooling Station.

3) The total length of the proposed transmission line is 39,068.38 mts. which includes 27,244.11 mts. in CRZ and 11,824.27 mts. in non-CRZ area. Totally 124 Nos. of towers proposed, out of which around 70 Nos. are falling in CRZ.

4) The project activity passes through CRZ-IA (mangroves), CRZ-IB (area between LTL and HTL), CRZ-II, CRZ-III (No Development Zone) and CRZ-IV B (tidal influenced water bodies).

5) The project proponent has informed that the alignment is proposed in order to avoid tree cutting. Thus, there is no felling of trees and trimming will be opted wherever is possible. The locations of towers are done in such a way without affecting the mangroves in the project area and the distance between the towers are increased in order to avoid cutting of trees.

6) The project activity will consists of site clearing, excavation, stub setting, reinforcement, RCC for foundation and Chimney, Back filling, Tower erection, Hosting insulators, Conductor stringing, Earth wire stringing, OPG cable stringing.

7) The project proponent stated that about 3-5 KLD of water will be required during the peak construction phase and it will be sourced through private tankers arranged by the contractors. The DG set will be installed in movable vehicle as a power backup source for continuous operation of transmission tower work. The adequate Stack height with acoustic enclosure will be provided as control measures as per CPCB norms.

8) The DCZMA for Tiruvallur District has recommended the project to SCZMA for the issue of Environment Clearance under CRZ Notification, 2011.

9) As per the CRZ Notification 2011, vide para 8 (i) I CRZ-I (i) (b), pipelines, conveying systems including transmission lines is permissible activity, in CRZ-I (Eco-sensitive areas). Further, as per para 4(ii) (d) of the said notification, the above activities require clearance from the Ministry of Environment, Forests and Climate Change, GOI.

10) The Authority may consider.

AGENDA ITEM No.06

Revalidation of CRZ Clearance for the Foreshore facilities viz., Pipe Coal Conveyor, Cooling Water Intake and Outfall Pipeline for the project and ETPS Expansion Thermal Power Project (1x660 MW) proposed within the existing ETPS at Ernavur Village, Thiruvottiyur Taluk, Tiruvallur district proposed by TANGEDCO

TANGEDCO (TNEB) is in the process of setting up of 1X660 MW ETPS Expansion Thermal Power Project within the existing Ennore Thermal Power Station (ETPS) Complex, located in Ernavur Village, Thiruvottiyur Taluk of Tiruvallur district. Subsequently the 40 years old ETPS (450 MW) power plant was decommissioned and TANGEDCO have proposed a new ETPS replacement TPP (660MW) in its place.

2) The TNSCZMA have recommended for the setting up of Coal Conveyor (pipe conveyor) and intake and outfall water lines for the proposed Ennore Thermal Power Project Annexe under CRZ Notification, 1991, in the 46th meeting held on 28.08.2008. Accordingly, the Ministry of Environment & Forests, Govt. of India have issued Clearance under CRZ Notification, 1991 for the said activity, vide letter dated 23.12.2008. Further, the MoEF, Govt. of India have issued extension of validity of CRZ Clearance upto 22.12.2018, vide letter dated 31.03.2014.

3) The Govt. of Tamil Nadu have also recommended the proposal for setting up of Marine foreshore facilities with reference to the replacement Thermal Power Project (1X660 MW) at Ernavur Village, Thiruvottiyur Taluk, Tiruvallur district, as per the decision of the TNSCZMA in the 96th meeting held on 08.09.2017, vide letter dated 09.10.2017.

4) Now, the TANGEDCO have stated that the EPC contractor has completed only about 17% of physical progress. Subsequently, Corporate Insolvency Resolution Process (CIRP) was initiated against the EPC contractor, by IDBI Bank at NCLT, Hyderabad and work was stopped on 07.08.2017. In view of the above, the TANGEDCO terminated the EPC contract on 09.04.2018.

5) The Project Proponent have stated that MoEF & CC, Govt. of India have issued fresh Terms of Reference (ToR) for the captioned project vide letter dated 21.01.2019 since the existing CRZ Clearance of the captioned Power Project expires on 22.12.2018. Further, the TANGEDCO stated that since the power project is an ongoing project, MoEF have exempted conducting fresh Public Hearing for project vide, letter dated 10.07.2019.

6) In the fresh ToR (Sl.No.ii), the MoEF & CC, Govt. of India have directed the project proponent to obtain the recommendation of the TNSCZMA for the Sea Water Intake and Outfall Pipelines and Coal Conveyor proposed in the CRZ area.

7) In this connection, the TANGEDCO have submitted the following for consideration.

- a) The proposed power project is located away from CRZ area as demarcated by IRS, Anna University, Chennai, an authorized agency of MoEF & CC, GoI. However, the foreshore facilities viz., Pipe Coal Conveyor, Inlet Pipe for drawal of Cooling Water / Outlet pipe of Coolant Water of the ongoing ETPS Expansion TPP (1X660 MW) are falling in CRZ and are being developed by TANGEDCO, will be utilized for both the ongoing ETPS Expansion TPP (1X660MW) and the proposed ETPS Replacement TPP (1x660 MW) and the proposed ETPS Replacement TPP (1X660 MW) within the ETPS Complex.
- b) Originally Clearance for drawal of 92,000 m³/hour of sea water was obtained, considering the requirement of existing ETPS (now decommissioned) (450MW) and the proposed ETPS Expansion TPP (1X660MW). As TANGEDCO have decided to replace the existing 40 years old units of ETPS with a supercritical unit of 1X660MW, TANGEDCO requested for the extension of CRZ Clearance of ETPS Expansion TPP with an amendment of reduction of Cooling Water drawal from 92,000 m³/hour to 25,000 m³/hour to suit the requirements of both ETPS Expansion TPP and ETPS Replacement TPP since both the proposed power plants adopt closed cycle cooling system by establishing natural draft cooling towers (12,000 m³/hour for each project).

c) Based on the request of TANGEDCO, MoEF & CC, New Delhi issued extension of CRZ Clearance for 5 more years for ETPS Expansion TPP, with an amendment of reduction of cooling water drawal from 92,000 m³/hour to 25,000 m³/hour for the period upto 22.12.2018.

8) Based on the above status and as per the fresh ToR, the TANGEDCO have requested the TNSCZMA to revalidate the earlier recommendation for the CRZ Clearance for ETPS Expansion TPP to MoEF & CC, Govt. of India.

9) As per the CRZ Notification, 2011, para 4 (ii) (d) laying of pipelines, conveying systems, transmission line is permissible activity and as per para 4 (ii)(f), foreshore requiring facilities for transport of raw materials, facilities for intake of cooling water and outfall for discharge of treated wastewater or cooling water from thermal power plants, is permissible activity and the above said activities require Clearance from the Ministry of Environment, Forests and Climate Change, GOI.

10) The Authority may consider.

AGENDA ITEM No.07 **Proposed Container Transit Terminal at S.F.No.1/3B3, Pulicat Road, Kattupalli Village, Tiruvallur district by M/s. Apollo World Connect Ltd., Chennai.**

M/s. Apollo World Connect Limited (AWCL) has proposed to expand the constructed Container Transit Terminal at S.F.No.1/3B3, Pulicat Road, Kattupalli Village near Kattupalli Port, Tiruvallur district, with Paver block and PCC Basement for the Open Storage Yard of 3 acres (approx).

2) M/s. AWCL an Export house based in Chennai and are actively engaged in the export and import of Timber, Coir Pith, White Cement and Agro Commodities such as Coconut Fibre, Salt, Chilly Powder, Vegetables, Fruits etc., The plot is allotted on open developed space near Kattupalli Port measuring 40267.56 sq.mtr. M/s. AWCL have been using Adani Port and Ennore Port as their gateway port for all import and export operations.

3) The storage facilities near to the Adani Port will facilitate as a very predominant link in the total supply chain by aiding in quicker turnaround of the vessels and enable to handle large parcels, resulting in reduction of total logistics cost and offer a host of strategic advantages. M/s. AWCL proposed to construct Container Transit Terminal to store non-hazardous goods temporarily in separate containers with following activities.

- Container will be imported through Adani and Ennore Port.
- The container will be delivered to the proposed storage yard after necessary clearance from Customs and Port Authorities.
- The container received from the Port will be duly stored in the designated place at the yard.
- The container duly stored will be delivered to various customers through trucks by road with the existing facilities at the terminal.

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4) The total plot area is 10.01 Acres, built up area for the project is 3554.862 sq.m, Road Area is 4522.996 sq.m, Ground Coverage Area is 3471.097 sqm and Greenery area is 6466.941 sq.m. The CRZ attracting area for the proposed project is 28173.20 sq.m in the CRZ-III, CRZ-IB (intertidal Zone) CRZ-IVA (water area). The total non-CRZ area is 12,581.80 sq.m. The project proponent has proposed to develop green belt in CRZ-III (A) area is from 0-200 mts. container terminal is CRZ-III (B) (between 200-500 mts from HTL) and no activity in CRZ-IB & CRZ-IVA. The total project cost is Rs.4.99 crores.

5) The Domestic water requirement is 7 KLD and it will be met through tankers. The waste water should be generated at 6.5 KLD and it will be routed to the existing STP and No effluent generated from process / storage. The solid waste generated will be stored in adequate bins and disposed through Authorized vendors.

6) The power requirement is being met from HT Line. During operations, the power requirement is 200 KVA including lighting. No additional power is required due to the proposed project.

7) The DCZMA for Tiruvallur District has recommended the project to SCZMA for the issue of Environment Clearance under CRZ Notification, 2011.

8) As per CRZ Notification 2011 vide para 3 (ii), transit terminals may be allowed to facilitate the receipt and transfer of even hazardous substances in areas other than CRZ-I(A) (Eco-sensitive areas). As per para 4(ii)(f) of CRZ Notification, 2011, the above activities is require Clearance from MoEF & CC, Govt. of India and also no specific provisions to clear the transit terminal project by the SCZMA under Para 8 of the CRZ Notification, 2011. Similar proposals are cleared by MoEF & CC, Govt. of India on the recommendation of TNSCZMA. As per para 8(i) III CRZ-III (A) (iii) (a) of the said notification, agriculture, horticulture, gardens, pasture, parks, playfield and forestry is permissible activity in the CRZ-III (A) (No Development Zone).

9) The Authority may consider.

AGENDA ITEM No. 08 **Amendment in CRZ Clearance for the existing Warehouse storage building project at S.No. 175 (part) of Ernavoor Village, S.No.6/1A1 of Tiruvottiyur Village in T.S.No. 3, 5/1A, 5/2A Block No.1, Ward No.1 of Thiruvottiyur, Wimco Nagar, Ennore Express Road, Chennai.19, Tiruvallur district by M/s. MRF Limited, Chennai**

M/s. MRF Limited has obtained Clearance under CRZ Notification, 2011, as resolved in the 98th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 25.01.2018, for the construction of Warehouse storage Sheds at S.No.175 (part) of Ernavoor Village, S.No.6/1A1 of Thiruvottiyur Village in T.S.No.3, 5/1A, 5/2A Block No.1, Ward No.1 of Thiruvottiyur, Ambattur Taluk, Tiruvallur district, vide Proc. No.P1/2327/2017 dated 12.02.2018.

2) Now, the applicant has stated that they have applied to CMDA for reclassification from primary residential use zone to special and hazardous industrial use zone and the CMDA have approved the application for reclassification and advised to obtain CRZ clearance mentioning the new scope of work i.e. tyre testing activity in the warehouse. Hence the Project Proponent applied for amendment in the above said Clearance dated 12.02.2018, to include tyre testing activity in addition to the warehousing.

3) Further, the TNSCZMA have issued Clearance for the construction of Warehouse as per the Town and Country Planning regulations vide proceedings dated 12.02.2018 based on the decision taken in the 98th meeting of the TNSCZMA. Now, the applicant has stated that the project area has been changed as "Special and Hazardous Industrial Use Zone" from CMDA to facilitate the setting up of "Tyre Testing Unit". The CMDA has informed that the reclassification is allowed only for setting up of a Tyre Testing Unit.

4) Under the proposal, the unit is proposed to erect "Tyre Testing Unit" in their Warehouse, in the area of 1717.07 sq.mtr at Ground Floor and 1419.91 sq.mtr at First Floor. The following activities are proposed to be undertaken under "Research and Development Tyre Testing Activity". The total man power required for the tyre testing activity is 5 and 5 equipments will be used. 3350 HP of power will be consumed for the same.

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- a) the test is conducted to check the tyre durability to withstand the number landing or takeoff cycle for which Aircraft Dynamometer will be installed. The cycle will be run for 2 to 3 minutes for one loading.
- b) to measure tyre force and moments, which impacts the vehicle handling and steering characteristics.
- c) to measure the tyre rolling resistance.

5) The Unit has informed that the "Tyre Testing Activity" is purely meant for Research and Development activity. The Unit is proposed to provide 1250 KVA DG Set as 25% of power backup, as their requirement is above 2917 KW (3910 HP), which will be sourced from the nearby Grid.

6) As per the CRZ Notification, 2011 vide Para 1, the restrictions apply on the setting up and expansion of industries, operations or process and the like in the CRZ. Further, vide Para 3(i), setting up of new industries and expansion of existing industries are prohibited activities. Hence the setting up of "Tyre testing Unit" may be allowed, only if it is considered as R&D activity and if the said "Tyre Testing Unit" is considered as a part of operations, process or expansion activity, then the said unit shall not be allowed.

7) The Authority may consider for amendment in CRZ Clearance for "Tyre Testing Activity".

AGENDA ITEM No.09 Construction of Paraprofessional Aquaculture Institute at SF No. 97/5, Muttukadu Village, Thiruporur Taluk, Kancheepuram district by M/s. Tamil Nadu Dr.J. Jayalalithaa Fisheries University, Chennai.

The Directorate of Incubation and Vocational Training in Aquaculture, Tamil Nadu Dr. J. Jayalalithaa Fisheries University has proposed to construct a Paraprofessional Aquaculture Institute at Muttukadu Village, Thiruporur Taluk, Kancheepuram district for offering training programme viz., conducting short term and long term courses field oriented research programme, fish feed production for cultivable freshwater fishes, freshwater fish culture, marine fish culture, shrimp culture etc.,

2) The proposed institute is to be located with an extent of 11,600 sq.mtr at SF No.97/5, Muttukadu Village, Thiruporur Taluk, Kancheepuram district with a total built up area of 4446 sq.mtr comprising of Admin / Academic building (G+2) : 2742 sq.m, Trainees Hostel (G+2) : 984 sq.m, Feed Mill : 360 sq.m, Polythene Lined Fish Culture Ponds : 360 sq.m in addition to the existing temporary shed of 460 sq.m to impart skills and training courses in aquaculture and fisheries.

3) The total fresh water requirements during Operation Phase for domestic use will be 21 KLD which will be met through outsourcing through tanker lorries. The proposed Polythene lined Ponds 4 Nos. and existing experimental tanks 8 Nos. will be used for demonstration purpose. The polythene line pond capacity is each 50 KL and the experimental tank capacity is each 25 KL. Hence, the total water requirement for demonstration fish culture purpose is 400 KL and the same will be drawn from sea water / back water.

4) The quantity of sewage generated during operational phase will be 18 KLD which will be treated through STP of capacity 25 KLD and the treated sewage will be utilized for green belt and toilet flushing. The waste water 50 KL/week generated from the demonstration fish culture tanks/ ponds will be treated in 50 KL capacity of Effluent Treatment System comprising of settlement pond, Bio Pond-I, Bio Pond-II, Aeration Pond and Treated Effluent Collection Tank and the treated effluent will be recycled back to the demonstration fish culture tanks / ponds.

5) The proposed project site comes under CRZ-III as per the HTL Demarcation map and the project cost is Rs. 8.80 crores.

6) The DCZMA for Kancheepuram district has recommended the proposal with the following conditions.

- a) To build the entire structures of the project of Tsunami resistant in consultation with the Competent Authority.
- b) To develop green belt with trees of native species of coastal areas in consultation with Forest Department.
- c) To give priority on the intake of students for various training programmes and Certificate courses to the residents of local fisherman villages.

7) As per the CRZ Notification, 2011, vide para 8(i) III CRZ III (A)(ii), no construction shall be permitted within the No Development Zone except repairs or reconstruction. Further, vide para 8 (i) III, CRZ III (A) (iii)(j), schools may be constructed for the local inhabitants on a case to case basis by the concerned CZMA.

8) As the proposal involves drawl of 400 KL sea water for demonstration of fish culture, construction on polythene lined 4 Nos. of ponds, experimental tanks of 8 Nos. each of 50 KL capacity and 25 KL capacity respectively. Besides Academic building, it is also proposed construction of hostel, admin building, Feed Mill etc., in CRZ-III (No Development Zone). Hence, the project proponent was informed that the construction of Paraprofessional Aquaculture Institute is not a permissible activity in the proposed site, as it is not construed as School.

9) However, the project proponent is informed in letter dated 26.06.2019 to consider the proposed Paraprofessional Aquaculture Institute as a vocational School to impart technical skills for fisherfolk and other rural population and do to the needful.

10) The Authority may consider.

AGENDA ITEM No.10

Proposed Doctor's Beach Project of Residential Plots in S.F.Nos. at S.No. 106/2, 106/3, 106/4, 106/5, 106/6, 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4, 110/5, 111/1, 111/2, 111/3 and 111/4 at Marakkanam North Village (Thalangadu Village), Marakkanam Taluk, Villupuram district by M/s. DS Propertiei, Chennai.40

M/s. DS Propertiei, Chennai.40 have sent a proposal for the proposed Doctor's Beach Project of Residential Plots in S.F.Nos. at S.No. 106/2, 106/3, 106/4, 106/5, 106/6, 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4, 110/5, 111/1, 111/2, 111/3 and 111/4 at Marakkanam North Village (Thalangadu Village), Marakkanam Taluk, Villupuram district.

2) The DCZMA of Villupuram have indicated that the project proponent has proposed to develop 545 Nos. of housing plots for residential purposes. The entire layout is on the landward side of the existing earthen burial ground road available for public use, connecting the Vasavankuppam Village and burial ground of Vasavankuppam Village.

3) The project area at S.Nos. 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4 and 110/5 is falling in CRZ-II comprising in 1,01,625 Sq.mts. and the area at S.Nos. 106/2, 106/3(p), 106/4, 106/5, 106/6, 108/2A(pt), 108/2C1(pt), 109/3 (pt), 110/1(pt), 111/1(p), 111/2, 111/3 & 111/4 is falling outside CRZ. The plots area various between 85 sq.mtr and 434 sq.mtr.

4) The DCZMA for Villupuram District has recommended the project in their meeting held on 21.02.2019 to the SCZMA with the following conditions.

- a) The project proponent shall obtain Layout Plan approval from DTCP after getting CRZ Clearance.
- b) The Unit shall provide adequate common sewage treatment plant along with conveyance arrangements to transport sewage from residence to sewage treatment plant for the treatment and disposal of sewage generated from the residential houses and the treated sewage is utilized for gardening purposes.

- c) The unit shall provide solid waste management disposal facility for the collection, transportation, treatment and disposal of Municipal Solid waste generated from the residential houses in scientific manner.
- d) The unit shall ensure that there shall not be any discharge of treated / untreated sewage and municipal solid waste into outside of the premises and nearby sea.

5) The proposal was placed before the 104th meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 27.02.2019 and 105th meeting held on 21.05.2019 and the Authority have resolved to request the applicant to furnish the details of plots falling in the CRZ-II areas (i.e, from 0 to 500 mts from the HTL of sea) and Outside CRZ areas, duly superimposing in the HTL demarcation map. The Authority further resolved to issue NOC, in respect of the plots, which are falling in Non-CRZ areas, the DTCP shall issue approval duly following the Town and Country Planning rules and regulations. The applicant has submitted the HTL demarcation map, vide reference 5th cited and requested NoC for non-CRZ areas. Accordingly, No Objection has been issued in letter dated 11.07.2019 , to issue planning permission, in respect of the plots, which are falling outside CRZ areas, as per the HTL demarcation map issued by the Institute of Remote Sensing, Anna University, Chennai.25 in the reference No.AU/IRS/SSR/216-2018 dated 14.12.2018.

6) Now the applicant has requested to issue Clearance for the layout which is falling in CRZ areas.

7) As per CRZ Notification 2011, vide para 8 (i) II CRZ II (i) & (ii), construction of buildings for residential purposes is permissible activities only on the landward side of the existing road or on the landward side of the existing authorized structures and the buildings permitted shall be subject to the local town and country planning regulations as applicable from time to time except the FSI, which shall be per 1991 level.

8) The Authority may consider.

AGENDA ITEM No.11: Proposed construction of School Building at S.F.No.850/1,2,3 & 856/1 of Dharmapuram East Village, Agastheeswaram Taluk, Kanyakumari District by the Secretary, Puthenthurai Auxilium Society Holy Rosary Convent, Puthenthurai Post, Kanyakumari district

The District Environmental Engineer, TNPCB, Kanyakumari district has forwarded a proposal for the construction of School Building at S.F.No.850/1,2,3 & 856/1 of Dharmapuram East Village, Agastheeswaram Taluk, Kanyakumari District proposed by the Secretary, Puthenthurai Auxilium Society Holy Rosary Convent, Puthenthurai Post, Kanyakumari district.

2) The total area of the project site is 6250 Sq.mtr., and the proposed built up area will be 2613.60 sq.mtr having 1266.42 sq.mtr each for Ground and First Floor and 80.76 sq.mtr of Head Room. The Open Space Reservation area is 626.07 (10.02% of site area). The proposed project is falling in CRZ-III and the estimated cost of the project is Rs.4.09 crores.

3) The Project Proponent has submitted a copy of the certificate for the supplying of fresh water and a certificate stating that the proposed construction is in between 200-500 mts from the HTL of sea, from the Special Officer, Kesavanputhanthurai Panchayat. The Special Officer, Kesavanputhanthurai Panchayat have also issued a certificate that the proposed construction is satisfying the Village Panchayat and Country Planning rules and regulations.

4) As per CRZ Notification 2011, vide para 8 III CRZ-III B (viii), construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges, schools and dispensaries for local inhabitants is permissible activity and as per Para 8 III CRZ-III B (vii), building permission for such construction or reconstruction will be subject to local town and country planning rules with overall height of construction not exceeding 9 mts with two floors (ground + one floor).

5) The Authority may consider.

AGENDA ITEM No.12: Construction of Boarding House at Door No.13A/5/1, Ward No.1, Block No.9, T.S.No.1138/1A3, 1137/3B, Beach Road, Thoothukudi Village, Thoothukudi Taluk & District by M/s. Holy Angel Boarding, Thoothukudi

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal for the proposed construction of Boarding House at Door No.13A/5/1, Ward No.1, Block No.9, T.S.No.1138/1A3, 1137/3B, Beach Road, Thoothukudi Village, Thoothukudi Taluk & District proposed by M/s. Holy Angel Boarding, Thoothukudi, for Clearance under CRZ Notification 2011.

2) The total area of the project site is 484.70 Sq.mtr. Proposed built up area is 296.57 sq.mtr each, for G+2 floors. The proposed Headroom is 20.59 sq.mtr. The Open Space is 188.13 Sq.mtr. and the FSI is 1.83. The proposed project is falling in CRZ-II and the State Highway 49 is available between the project site and the HTL. The estimated cost of the project is Rs.98 lakhs.

3) The Project Proponent has informed that they have already obtained freshwater connection from Thoothukudi Municipal Corporation and assured that the building construction will be carried out as per the Town and Country Planning Rules.

4) 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 16th June 2015 as para 8 II CRZ-II (ii) " buildings permitted on the landward side of the existing and proposed roads or existing authorized structures shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level.

5) The Authority may consider.

AGENDA ITEM No.13: Comprehensive Study on the impact of the presence of several hotels, beach resorts and other recreational / tourism activities on the coastal and marine eco-system between Chennai and Mamallapuram

In the Minutes of the 103rd meeting of the TNSCZMA held on 03.01.2019, it was pointed out that several beach resorts and hotels are in existence already, along the ECR between Chennai to Mamallapuram and also several projects are under construction.

2) The Authority emphasized, during the meeting, that a Comprehensive study shall be conducted, on the impact of the presence of the said hotels, beach resorts and other recreational/ tourism activities, on the coastal and marine eco-system, flora and fauna between Chennai and Mamallapuram, so as to strengthen the monitoring system, developing proper mitigation measures, policy decisions based on the carrying capacity of the coast etc., and the Authority resolved to conduct the said study, through a reputed agency in the said field.

3) In this connection, Dr. Jayshree Vencatesan, MD, Care Earth Trust, Chennai and Dr. Nehrukumar Vaithilingam, Professor & Director, Centre for Environment, Health & Safety, Annamalai University have sent their Expression of Interest to carryout the study and quoted Rs.7,59,150/- and Rs. 15.00 lakhs respectively.

4) The subject was placed before the TNSCZMA in the 105th meeting held on 21.05.2019 and the Authority resolved to make a ToR in consultation with the Technical Members of the Authority. Accordingly, a draft ToR formulated by Dr. S. Paulraj, IFS (Rtd), Member of TNSCZMA, has been sent to the members of the Authority for their suggestions.

5) Dr. R. Venkatesan, Member of the Authority has suggested that "Blue Flag Beach Certification" may be included in the draft ToR. Dr. S. Paulraj, IFS (Rtd), Member of the Authority has suggested that the proposed budget may be increased from Rs.7.5 lakhs to Rs.10 lakhs for getting a best plan from the reputed institutions, as the Agencies need to attend extensive work with the engagement of specialists.

6) The Authority may consider for the revision of the draft ToR incorporating the suggestions of the above members. Fresh Expression of Interest may be called from the related institutions, based on the revised ToR to entrust the study.

7) The Authority may consider.

AGENDA ITEM No.14: Visit and Study the characteristics at the Coastal Area Eco-System of outside the Country

In the 105th meeting of the TNSCZMA, the Authority requested the Members of the Authority to identify suitable locations outside the Country having areas rich in biodiversity especially coastal areas and conservation and management of coastal areas, for visit and study the characteristics so as to formulate suitable proposals to implement in the State to enhance the divergence of the Eco-system.

2) As resolved by the Authority, the expert members of the Authority have been requested to identify suitable locations outside the Country.

3) Dr. R. Venkatesan, Expert Member of the Authority has suggested Thailand as the place is highly appreciable to learn about successful Coastal and Marine Area Management and to discuss with the experts. Further, he stated that Thailand has good case studies to show about Management of Mangrove, Coral reef ecosystem etc.,

4) Dr. V. Selvam, Expert Member of the Authority has suggested Thailand and Philippines, as the lot of learning on Coastal Zone Management, Community Participation, Mangrove Management, Coral Reef Management and Marine-based alternative livelihood.

5) Dr. S. Paulraj, IFS (Rtd), Expert Member has agreed the both of them and suggested both Philippines and Thailand may be selected after getting the suggestions from the other experts.

6) The Authority may decide the suitable place, duration, number of participants, funding and the Agency to organize the programme.

AGENDA ITEM No.15: Any other subject with the permission of the Chair.

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

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

**MINUTES OF THE 106th MEETING OF THE TAMIL NADU STATE
COASTAL ZONE MANAGEMENT AUTHORITY (TNSCZMA) HELD ON
25.07.2019**

AGENDA ITEM NO.01: **Confirmation of the minutes of the 105th
meeting of the**

**Tamil Nadu State Coastal Zone Management
Authority held on 21.05.2019.**

The minutes of the 105th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 21.05.2019, communicated, to the Members of the Authority in letter No. P1/2200/2018 dated 28.05.2019 of the Director of Environment was confirmed.

AGENDA ITEM NO.02: **The action taken on the decisions of 105th
meeting of the**

Authority held on 21.05.2019.

The Member Secretary briefed the Members about the action taken by the Department of Environment on the decisions taken during the 105th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 21.05.2019. The Authority noted the action taken.

2) During the discussions, the Authority of the opinion that to avoid conflict of interest to entrust the work of "safe disposal of oil spill waste" at Kamarajar Port, the Authority resolved to follow the Tender Transparency Act as resolved in the 104th meeting of the Authority. As the disposal of oil spill waste is under the purview of Tamil Nadu Pollution Control Board, the Authority resolved to direct the Tamil Nadu Pollution Control Board to float Tenders by following the procedures stipulated in the Tender Transparency Act and finalize the executing agency to carryout the works.

AGENDA ITEM No.03 **Construction of 30" OD Underground Natural Gas
pipeline**

**of M/s. Indian Oil Corporation Ltd., from Ennore LNG
Terminal situated inside Kamarajar Port Limited,**

**Ennore, Tiruvallur district to Salavakkam Village,
Uthiramerur Taluk, Kancheepuram district**

The Authority resolved to request the Project Proponent to furnish the following details to take further action on the project.

.2.

- a) The details on the Right of Way, Re-settlement and Rehabilitation details if the project features are transverse through Private land.
- b) the Project Proponent should certify that they have not commenced the work, in CRZ.
- c) NoC from the PWD should be furnished.
- d) A report on the impact of project activities on the fauna and the safety aspects taken apart from the usual Standard Operation Procedures (SOP), as the pipelines passing through below the water bodies shall be furnished.
- d) Recent Ambient Air Quality Monitoring data, along with the source authenticated by the Tamil Nadu Pollution Control Board shall be furnished.
- e) All the Environmental related data should be furnished with reference to the Project areas, which are falling in CRZ.
- f) A report on the specific plan if any in erecting pipelines at the places of population shall be furnished.
- g) A video on the erection of pipelines through stimulation models shall be furnished.

AGENDA ITEM NO. 04 Construction of doubling of Railway Line between Existing Holding Yard No.1 at Ch.00m (Near Bridge No.5) to Entry of Container Rail Terminal Yard of M/s. Kamarajar Port Ltd., at Athipattu, Puzhuthivakkam and Ennore Village of Ponneri Taluk, Tiruvallur district

The Authority resolved to request the Project Proponent to furnish the following details to take further action on the project:

- a) The NoC from the PWD shall be furnished to carryout the work.
- b) As the representatives of the Project Proponent have not properly and correctly furnished the details on the points raised by the Authority on the physical features of the project site and proposed features such as culverts, bridges along the rivers etc., the Authority requested the Project Proponent to assess the project features with reference to site conditions and make a presentation during the next meeting.

.3.

AGENDA ITEM No.05 Erection of Transmission tower and transmission line for 400 KV power evacuation line from SEZ to Ennore Thermal Power Station (ETPS) expansion project, SEZ to North Chennai (NC) Pooling Station, EPS expansion project to NC Pooling Station and 765 KV Power evacuation line from North Chennai Thermal Power Station-Stage-III (NCTPS-III) to NC Pooling Station at Ennore by M/s. Tamil Nadu Transmission Corporation Limited (TANTRANSCO)

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

- a) NoC from the District Forest Officer should be obtained with reference to the transmission alignment and on the location of the Towers, as to the effect that Mangroves are not disturbed.
- b) NoC from the PWD and the Kamarajar Port should be obtained prior to the commencement of works.
- c) The Pier Cap should be below the lowest water level.
- d) Tidal flow of water should be affected due to the project features.
- e) As indicated in the EMP, tower construction locations to be planned to avoid interference into water courses and thereby avoid contamination due to

construction. Excavated earth to stored in the same location and will be back-filled around the tower foundation base.

- f) Necessary surface protection measures for the truss materials are avoided at the site to prevent air emissions.
- g) the Project Proponent should use acoustic drillers instead of normal open drillers for tower fabrication.

.4.

AGENDA ITEM No.06 Revalidation of CRZ Clearance for the Foreshore facilities viz., Pipe Coal Conveyor, Cooling Water Intake and Outfall Pipeline for the project and ETPS Expansion Thermal Power Project (1x660 MW) proposed within the existing ETPS at Ernavur Village, Thiruvottiyur Taluk, Tiruvallur district proposed by TANGEDCO

As the existing validity for the Clearances issued for the above project has been expired and the maximum time line of 10 years have also been completed, the Authority of the opinion that the proposal should be considered as a new one and as requested by the Project Proponent, the question of revalidation of existing Clearances, has not arisen.

2) The Authority recorded the facts put forth by the Project Proponent, that no new item of work / activity is included in addition to the existing project proposal, which is under construction.

3) As the Project Proponent has furnished the necessary documents viz., EIA, EMP, HTL demarcation map as per the Coastal Zone Management Plan (CZMP) etc., which are pre-requisites, as per CRZ Notification 2011, the Authority, after the scrutiny of the documents, resolved to recommend the proposal to the Ministry of Environment, Forests and Climate Change, GoI., subject to the existing

terms and conditions issued in the Existing Clearances issued under CRZ Notifications 1991/2011.

4) The Authority also resolved to direct the Project Proponent to divert the financial assistance of Rupees One crore, earmarked towards the Corporate Social Responsibility activities to the Environment Management Agency of Tamil Nadu to execute Eco-restoration activities.

AGENDA ITEM No.07 Proposed Container Transit Terminal at S.F.No.1/3B3, Pulicat Road, Kattupalli Village, Tiruvallur district by M/s. Apollo World Connect Ltd., Chennai.

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

.5.

- a) The Containers should satisfy the prescribed standard norms.
- b) The transit tanks should be used for the transit of Agro products and Non hazardous goods only.
- c) 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.
- d) The applicant should utilize the project area only as transit terminal and there should not be any Manufacturing, Processing or industrial operations.
- e) The applicant shall obtain consents under Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981 from the TNPCB.
- f) Training and mock drills should be given to the employees and also to the public to handle emergencies/ accidents duly.
- g) There should not be any extraction of ground water in CRZ.
- h) The project activity should not affect the coastal ecosystem including marine flora and fauna.

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

AGENDA ITEM No. 08 Amendment in CRZ Clearance for the existing Warehouse storage building project at S.No. 175 (part) of Ernavoor Village, S.No.6/1A1 of Tiruvottiyur Village in T.S.No. 3, 5/1A, 5/2A Block No.1, Ward No.1 of Thiruvottiyur, Wimco Nagar, Ennore Express Road, Chennai.19, Tiruvallur district by M/s. MRF Limited, Chennai

As the Unit has informed that the "Tyre Testing Activity" is purely meant for Research and Development activity and the said activity is not under the part of any process/ operations/ expansion activities, the Authority resolved to Clear the proposals subject to the following specific conditions:

.6.

- a) There should not be any extraction of Ground Water in the CRZ areas.
- b) There should not be any process or operational activities as assured by the Project Proponent.
- c) Planning Permission should be obtained from the CMDA duly and the FSI should be as per 1991 level.

AGENDA ITEM No.09 Construction of Paraprofessional Aquaculture Institute at SF No. 97/5, Muttukadu Village, Thiruporur Taluk, Kancheepuram district by M/s. Tamil Nadu Dr.J. Jayalithaa Fisheries University, Chennai.

As the Project Proponent has informed that the proposed Paraprofessional Aquaculture Institute, as a vocational School, impart technical skills for fisher-folk and other rural population, the Authority resolved to Clear the proposal subject to the following specific conditions:

- a) Prior 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 and para 8 (i) III CRZ III A(iii)(j) & (l) of CRZ Notification 2011.

- 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.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- e) the entire structures of the project shall conform Tsunami resistant and should be designed in consultation with the Competent Authority.
- f) The green belt should be developed with trees of native species of coastal areas in consultation with Tamil Nadu Forest Department.

.7.

- g) Top priority should be given on the intake of students for various training programmes and Certificate courses to the residents of local fisherman villages.

AGENDA ITEM No.10 Proposed Doctor's Beach Project of Residential Plots in S.F.Nos. at S.No. 106/2, 106/3, 106/4, 106/5, 106/6, 108/1, 108/2A(p), 108/2B, 108/2C1(p), 108/2C2, 109/1, 109/2, 109/3(p), 109/4, 110/1(p), 110/2(p), 110/3, 110/4, 110/5, 111/1, 111/2, 111/3 and 111/4 at Marakkanam North Village (Thalangadu Village), Marakkanam Taluk, Villupuram district by M/s. DS Propertiei, Chennai.40

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

- a) Prior Planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and para 8 (i) II

CRZ II (i) (ii) & (iii) of CRZ Notification 2011. The FSI/FAR should be 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.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- e) The green belt should be developed with trees of native species of coastal areas.
- f) The Unit shall provide adequate common sewage treatment plant along with conveyance arrangements to transport sewage from residence to sewage treatment plant for the treatment and disposal of sewage generated from the residential houses and the treated sewage is utilized for gardening purposes.

.8.

- g) The STP should be erected outside CRZ area.
- h) The unit shall provide solid waste management disposal facility for the collection, transportation, treatment and disposal of Municipal Solid waste generated from the residential houses in scientific manner.
- i) The unit shall ensure that there shall not be any discharge of treated / untreated sewage and municipal solid waste into outside of the premises and nearby sea.

AGENDA ITEM No.11: Proposed construction of School Building at S.F.No.850/1,2,3 & 856/1 of Dharmapuram East Village, Agastheeswaram Taluk, Kanyakumari District by the Secretary, Puthenthurai Auxilium Society Holy Rosary Convent, Puthenthurai Post, Kanyakumari district

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

- a) Prior Planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and para 8 (i) III CRZ IIIB (viii) of CRZ Notification 2011.
- 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.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM No.12: Construction of Boarding House at Door No.13A/5/1, Ward No.1, Block No.9, T.S.No.1138/1A3, 1137/3B, Beach Road, Thoothukudi Village, Thoothukudi Taluk & District by M/s. Holy Angel Boarding, Thoothukudi.

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

- a) Prior Planning permission should be obtained for the proposed constructions, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and para 8 (i) II CRZ II (i) (ii) & (iii) of CRZ Notification 2011. The FSI/FAR should be 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.
- d) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

AGENDA ITEM No.13: Comprehensive Study on the impact of the presence of several hotels, beach resorts and other recreational / tourism activities on the coastal and marine eco-system between Chennai and Mamallapuram

The Authority accepted for the revision of the draft ToR incorporating the suggestions of the Authority Members and resolved to get fresh Expression of Interest, based on the revised ToR to entrust the study from the stakeholders at a cost of Rs.10.00 lakhs. The Authority resolved to execute the above from the State Coastal Zone Development Fund.

AGENDA ITEM No.14: Visit and Study the characteristics at the Coastal Area Eco-System of outside the Country

The Authority resolved to depute the Members of the State Coastal Zone Management Authority to the European Countries such as Sweden, Denmark and Netherland to study the characteristics of the Coastal Eco-system, which are rich in bio-diversity so as to formulate suitable proposals to implement in the State to enhance the divergence of the Eco-system.

2) The Authority also resolved to request the Expert Members to arrange modalities for the visit.

3) The Authority resolved to incur the expenditure from the State Coastal Zone Development Fund.

Sd/-xxxx
Dr. Jayanthi. M., I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.
Chennai-9.

Sd/-xxxx
Thiru Shambhu Kallollikar, I.A.S.,
Chairman, TNSCZMA and
Principal Secretary to Government,
Environment & Forests Dept.,