

109th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 19.02.2020

Time: 11.00 A.M.

Venue:

5th Floor, Public Works Department
Conference Hall,
Secretariat, Chennai - 600 009

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THE TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY -

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AGENDA ITEM NO.01: Confirmation of the minutes of the 108th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.11.2019.

The 108th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 26.11.2019 and the minutes were communicated in letter No. P1/2200/2018 dated 29.11.2019 (copy enclosed) of Director of Environment. It may be confirmed.

Further the TNSCZMA have, through the Circulation Agenda dated 02.01.2020 resolved to recommend the proposal to SEIAA for the proposed construction of extension of Passenger Jetty nearby Vivekananda Memorial Rock at Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by Tamil Nadu Maritime Board, Chennai. The same was also confirmed.

AGENDA ITEM NO.02: The action taken on the decisions of 108th meeting of the Authority held on 26.11.2019

Sl. No.	subject	Action taken
01	Proposed Four laning of Villupuram - Puducherry - Cuddalore - Nagapattinam Section of NH-45A in the State of Tamil Nadu under NHDP Phase-IV proposed by National Highway Authority of India	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /522/2017 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20976/EC-3/2019-1 dated 06.12.2019.
02	Setting up of 5 MLD Capacity Desalination Plant at S.No.394, Port Trust, Mullakadu Part-I Village, Thoothukudi Taluk, Thoothukudi District by the V.O. Chidambaranar Port Trust, Thoothukudi	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /617/2019 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20975/EC-3/2019-1 dated 06.12.2019.
03	Setting up of a 60 MLD Capacity Desalination Plant at Mullakadu Village, Thoothukudi Taluk, Thoothukudi District by the State Industries Promotion Corporation of Tamil Nadu (SIPCOT).	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /2627/2019 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20974/EC-3/2019-1 dated 04.12.2019.
04	Construction of three numbers 0.60m dia Pipelines from Ennore Coastal installation to Ennore Tank Truck Pvt. Ltd., / MLT2 Terminal with a branch to Earth Retaining Structure of M/s. Kamarajar Port Limited by M/s. Bharat Petroleum Corporation Ltd.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /2826/2019 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20978/EC-3/2019-1 dated 09.12.2019.
05	Establishment of Conveyance System (pipeline), Pumping Stations, Sewage Treatment Plant (STP) in the Underground Sewerage Scheme (UGSS) project in Velankanni Special Grade Town Panchayat, Kelvelur Taluk, Nagapattinam District by Velankannai Special Grade Town Panchayat	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /510/2019 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20979/EC-3/2019-1 dated 06.12.2019.

06	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 Superintending Engineer, Park Department, Greater Chennai Corporation, Chennai	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/778/2019 dated 02.12.2019.
07	Proposed construction of extension of Passenger Jetty nearby Vivekananda Memorial Rock at Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by Tamil Nadu Maritime Board, Chennai	As requested by the Authority, the applicant has submitted the additional particulars, vide letter dated 23.12.2019 and as resolved by the Authority in the Circulation Agenda dated 02.01.2020, the proposal has been recommended to SEIAA vide letter No. P1/1737/2019 dated 02.01.2020
08	Expansion of additional Storage tanks 12 Nos. and 1 No. of Hot Water Generator (6 LKC) in the existing Storage Transit Terminal at No.18/19, New Ennore Express High Road, Thiruvottiyur Village, Ambattur Taluk, Tiruvallur district by M/s. K.T.V. Oil Mills Private Ltd., Chennai.19.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /3131/2019 dated 02.12.2019. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 20977/EC-3/2019-1 dated 09.12.2019.
09	Establishment of Fish Curing Unit at S.F. No.459/5, Kadiyapattinam Village, Kalkulam Taluk, Kanyakumari district Unit proposed by M/s. Gladson Exporters.	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2433/2017 dated 02.12.2019.

AGENDA ITEM No.03

Proposed installation of Single Point Mooring (SPM), sub-sea pipeline from SPM to Land Fall Point (LFP), Desalination Plant for the Sea water intake facility, reject water outfall facility etc., for the proposed 9 MMTPA Capacity grass root Cauvery Basin Refinery (CBR) at Panangudi Village, Nagapattinam Taluk & District by M/s. Chennai Petroleum Corporation Ltd., Chennai.

M/s. Chennai Petroleum Corporation Ltd., Chennai have proposed for the installation of Single Point Mooring (SPM), sub-sea pipeline from SPM to Land Fall Point (LFP), desalination plant with sea water intake facility, reject water outfall facility etc., for the proposed 9 MMTPA Capacity grass root Cauvery Basin Refinery (CBR) at Panangudi Village, Nagapattinam Taluk & District

2) The Project Proponent has proposed to lay, 20m pipeline corridor connecting Karaikal Port to Land Fall Point (LFP) and 60m pipeline corridor connecting refinery to Karaikal Port along with Seawater intake, outfall pipelines, subsea crude oil pipelines, which are falling CRZ in IB, II, IVA and IVB categorization is about 48,000 mts.

3) The Proponent also designed to set up the Effluent Treatment Plant (ETP) as Zero Liquid Discharge (ZLD) method to treat the trade effluent generated from the process by providing RO Plant. The RO reject received from the ETP is proposed to pass together with the RO reject generated from Desalination Plant to discharge into the sea through pipeline. The Project Proponent has also stated that they are proposed to utilize the ETP sludge for landfill after Bio-remediation.

4) For the proposed project, source of raw water will be desalinated water from Desalination plant and the total raw water demand for the Project is estimated to be 3300 cubic meter/hour. The ETP is envisaged for treating liquid effluents (550 cubic meter/hr) generated in refinery complex, includes Oily effluent streams, spent caustic and sanitary effluent. Treated ETP effluents shall be recycled through RO plant. Desalination Plant reject water 5563 cubic meter per hour, TDS 63700 ppm along with treated ETP effluent (360 cubic meter/ hour) shall be disposed off to sea.

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5) They proposed to provide captive power plant which is the source of power to run the refinery. The total cost of the proposed project is Rs.31,283 crores.

6) As per CRZ Notification 2011, vide para 8 (i) I CRZ I (ii) e, II CRZ II (iv) and (v), the above activities are permissible activities. However vide para 4 (ii) (d) and (h) the above activities require Clearance from the MoEF&CC, Govt. of India.

7) The Authority may consider.

AGENDA ITEM NO. 04 Establishing of 10 MLD Capacity Desalination Plant at R.S. No.355, Mullakadu Village, Thoothukudi Taluk, Thoothukudi District by M/s. Tamil Nadu Generation and Distribution Corporation Ltd., (TANGEDCO) Chennai

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal for the proposed establishment of 10 MLD Capacity Desalination Plant, within the existing Tuticorin Thermal Power Station (TTPS) at R.S. No.355, Mullakadu Village, Thoothukudi Taluk, Thoothukudi District proposed by M/s. Tamil Nadu Generation and Distribution Corporation Ltd., (TANGEDCO).

2) Under the proposal, the Project Proponent has proposed to set up a Sea Water 10 MLD Desalination Reverse Osmosis Plant and proposed to draw sea water of 29MLD. The brine discharge will be 18.5 MLD. The intake water will be drawn from the existing cooling water intake channel and the brine discharged will be dispersed with the existing cooling water outfall channel. Accordingly the estimated brine quantity of 750 cubic meter per hour from the proposed Desalination Plant will be mixed with the 90,000 cubic meter per hour coolant water of M/s. TTPS through the existing outfall of TTPS.

3) The project area is falling in CRZ-II and the areas through which the outfall and inlet passes through the CRZ-IB and CRZ - IV. The total project area is 7.97 to 8 acres, out of which the present land requirement shall be 1.95 acres and additional 6 acres of land will be utilized for future expansion of another 40 MLD. Total Project cost is Rs.98.12 Crores.

4) The estimated power requirement for the desalination plant is estimated to be around 2500 kw. The required power will be drawn from the existing Internal Coal handling plant. Approximately 8 KLD of sewage will be generated during operation phase. The sewage from the plant will be treated through package sewage treatment plant and the treated sewage will be reused for horticulture.

5) The District Environmental Engineer, Thoothukudi has informed that the site for the facility is presently vacant and that no work related to the establishment was found commenced.

6) The DCZMA has recommended the project to SCZMA with the following conditions.

- a) All the provisions of the CRZ Notification, 2011 shall be adhered with.
- b) The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.
- c) 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.
- d) The project proponent shall not draw any groundwater in CRZ area, under any circumstances.
- e) 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.
- f) 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.,
- g) 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.,

7) As per CRZ Notification 2011, vide para 4 (i) (a), para 8 I CRZ I (i) (b) and 8 II CRZ II (v) the above activities are permissible activities. However, the project requires clearance from the MoEF & CC, Govt. of India, vide para 4 (ii) (h) of CRZ Notification 2011.

8) The Authority may consider.

AGENDA ITEM No.05

Proposed project "Central Square - Multimodal Integration and development at Central Station Area, Chennai" at T.S.No.40/1, 41, 42, 43/1, 43/2, 43/5, 1269/4, 1271/1, 1271/2, Vepery Village, Chennai district by M/s. Chennai Metro Rail Ltd., Chennai.107

M/s. Chennai Metro Rail Limited, Chennai have submitted a project "Central Square - Multimodal Integration and development at Central Station Area, Chennai" proposed to be developed at T.S.No.40/1, 41, 42, 43/1, 43/2, 43/5, 1269/4, 1271/1, 1271/2, Vepery Village, Chennai district, for Clearance under the CRZ Notification, 2011.

2) The Multimodal Integration and development comprising of Construction of 4 Blocks. Block No.A will consist of 3 Basement Floors for parking, Ground and First floor for Commercial 2nd Floor to 27th Floor for Office, 28th Floor as Service Floor and 29th Floor to 31st Floor for Hotels. Block No. B, C & D will provide Ground and Six Floors for Car parking. The Total Plot Area is 27,229 Sq.m and the Total Built up Area is 1,48,699.31sq.m, which includes 9660.72 sq.m for Hotels. The total height of the building is 120 m.

3) The Wastes generated in the project site during construction (debris) would be used for backfilling and leveling within the site. Solid waste during operation phase would be collected and segregated. The biodegradable wastes will be collected and composted in-situ through Organic Waste Converter (OWC). Non-biodegradable waste shall be segregated according to its characteristics & handed over to respective authorized recyclers for disposal. During the operation phase, the sewage generated will be treated in Sewage Treatment Plant with a capacity of 690 KLD and reused within the premises.

4) The water requirement for the proposed project will be met through CMWSSB / private water tankers supply. There is no extraction of ground water. The power requirement during the operational phase of the building is about 10,000 kVA and will be sourced from the nearby TNEB grid. For power back-up during the power failure, it is proposed to install 5 nos. of 2,000 kVA capacity DG sets. Low sulphur content HSD will be used as fuel for DG sets.

5) The proposed construction is partially falling in CRZ-II area and the total cost of the project is Rs.927 crores.

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6) The DCZMA for CMDA areas have recommended the proposal to SCZMA with the following conditions.

- a) The construction activities shall not disturb the free flow of water in the Buckingham Canal.
- b) The Project shall adhere to the Construction and Demolition Waste Management Rules, 2016.
- c) No groundwater from the Coastal Regulation Zone area shall be tapped for the project.
- d) Greater Chennai Corporation shall not be utilized as assured.
- e) NoC / Permission letter from the PWD / HPC shall be furnished for covering the Buckingham Canal within the project site.
- f) Height of the proposed structure shall adhere to the Heritage Structures Conservation Rules.
- g) The proposed buildings shall adhere to the Local Town Planning Rules.
- h) The proposed construction should be on the landward side of the existing buildings.
- i) STP to be out of CRZ area and details on where effluents are to be discharged to be incorporated.
- j) Superimposed drawings of existing and proposed constructions on the CRZ map.

7) The Project Proponent has submitted the Compliance Report on the DCZMA conditions with the proposal. However, the Project Proponent has informed that the height of the building is 120 mts. for which the CMDA will agree or not shall be confirmed.

8) 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level". However, construction of beach resorts or hotels in the designated area of CRZ-III and CRZ-II for occupation of tourists or visitors with prior approval of the MoEF & CC, Govt. of India, as per the Annexure-III of the CRZ Notification, 2011.

9) The Authority may consider.

AGENDA ITEM No.06 Construction of Water Distribution Station and laying of water distribution network at Uthandi Village in Chennai district for providing Comprehensive Water Supply Scheme to Mathur, Madipakkam, Jalladampettai and Uthandi Village in Chennai City proposed by M/s. Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Chennai.2

The District Environmental Engineer, TNPCB, Chennai district has forwarded a proposal received from CMWSSB for the Construction of Water Distribution Station and laying of water distribution network at Uthandi Village in Chennai district for providing Comprehensive Water Supply Scheme to Mathur, Madipakkam, Jalladampettai and Uthandi Village in Chennai City.

2) The scope of the project is to provide a comprehensive water supply scheme to supply water @ 150 lpcd with a minimum residual pressure of 12m at ferrule points. The existing water supply infrastructure consists of 4 Nos. of OHTs with a capacity of 30,000 lts. with staging height of 6m to 10m and with the distribution system with 50mm dia PVC pipe. This is not adequate to provide water supply @ 150 LPCD with 12m of minimum residual pressure at ferrule points.

3) Hence, the CMWSSB has proposed to tap water from the existing 1000mm dia DI Transmission main originating from 100 MLD Nemmeli Desalination Plant and running upto Thiruvanmiyur via East Coast Road. The tapping point is at the junction of ECR Road and Gangaiamman Kovil Street of Uthandi Village.

4) The total area to be covered by the distribution network is 3.40 sq.km out of which 1.03 sq.km is located within the CRZ-II area. The proposal includes construction of Water Distribution Station at Uthandi, which include 200 kl UGT (Under Ground Tank), 800 kl OHT (Overhead Tank) which are to be outside the CRZ area. Laying of distribution network of total length of 35.49 km of ductile iron (DI) pipes of diameter 100-400mm, for 1971 Nos. of house service connections in the Uthandi area of Chennai city.

5) The project proposals include the followings.

- Construction of Underground tank of 2 lakh litre capacity.
- Construction of Overhead Tank of 8.0 lakh litre capacity.

- Providing distribution system of size ranging from 100mm to 400mm dia DI pipe for a length of 35,485m with necessary house service connections. The length includes the parallel main length of 1619m for enabling to provide house service connections in the size of main 300mm and above.
- Laying of 250mm dia DI Conveying main from 1000mm dia Desal main running along ECR and originating from 100 MLD Nemmeli Desalination Plant for a length of about 100m upto the proposed UGT.
- construct a pump house of size 12m X 9m for housing 3 sets of electrical accessories and pumping machineries for pumping water to the proposed OHT inside the Headworks along with a provision for office room, store room and necessary water supply sanitary arrangements.
- Laying 200mm dia DI pumping main for a length of 50m for pumping water from proposed UGT to proposed OHT.
- Providing suction and delivery arrangements to UGT and inlet and outlet for OHT.
- Construction of RR masonry compound wall and allied work.

6) The total area to be covered by the distribution network is 3.40 sq.km out of which 1.03 sq.km is located within the CRZ-II area. The total project cost is Rs. 24.85 crores.

7) The DCZMA for CMDA area has recommended the proposal in the meeting held on 30.12.2019, with the following conditions:-

- a) No cutting of trees shall be envisaged during implementation of the project.
- b) The pipe laying work shall be taken up atleast 2m above the maximum Groundwater table level in that location.
- c) The trenches excavated for laying pipeline shall be properly closed and leveled immediately after completion of the pipe laying works.
- d) Construction waste and the excess excavated earth generated from the project shall be properly collected and disposed by adhering the Construction and Demolition Waste Disposal and Management Rules, 2018.

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- e) No ground water from Coastal Regulation Zone area shall be tapped for the project.
- f) No construction activity shall be started / undertaken by the proponent until obtaining the CRZ Clearance from the Competent Authority.
- g) The traversing route of main pipeline and the point from where tapping of water for this water supply and distribution project envisaged shall be clearly marked with different colour codes in the CRZ map.
- h) The above details along with the proposed project details shall be superimposed in the CRZ map duly authenticated by Anna University.

8) The Project Proponent has submitted the revised HTL Demarcation map and compliance report w.r.to the DCZMA conditions.

9) As per CRZ Notification 2011, 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; However, para 4 (ii) (d), the above activities require clearance from the Ministry of Environment, Forests and Climate Change, Govt. of India.

10) The Authority may consider.

AGENDA ITEM No.07 **Extension of Validity of CRZ Clearances for the KKNPP 3 to 6 (4x1000 MWe, LWR units) at S.F.No. 771-773, 776-790, 1073-1076 & 1078-1083, Kudankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Kudankulam Nuclear Power Project (KKNPP), Tirunelveli district**

The District Environmental Engineer, Tamil Nadu Pollution Board, Tirunelveli has forwarded a proposal seeking extension of Validity of the Clearances issued under CRZ Notification for the at Kudankulam Nuclear Power Project units 3 to 6 at Kudankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Kudankulam Nuclear Power Project (KKNPP) for consideration.

2) M/s. KKNPP is constructing Nuclear Power Plant at Kudankulam in addition to the existing Units No.1 and 2, the KKNPP has proposed for the expansion of Nuclear Power Plant as Units 3 to 6 of capacity 4x1000 MWe for which Ministry of Environment and Forests, GoI has already issued Environmental Clearance under EIA Notification 2006 in F.No. J-14011/1/2007-IA-II(T) dated 23rd September 2008 and 31st December 2009 subject to the conditions that the unit shall obtain necessary prior clearance under the provisions of CRZ Notification and accordingly Clearance under CRZ Notification has been issued in F.No.11-25/2010-IA-III dated 25th July 2012 by the MoEF&CC., GoI., for the above KKNPL Units 3-6 and the validity has been extended up to 31.12.2019 in F.No.11-25/2010-IA-III (pt.) dated 8th January 2018 by MoEF&CC., GoI.

3) The matter was discussed in the 62nd meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA), held on 30.12.2010 and the Authority has resolved to recommend the proposal to Ministry of Environment and Forests, Government of India subject to the following specific conditions.

- i) The applicant shall fulfill all Corporate Social Responsibilities within a reasonable time frame and the applicant shall provide sufficient financial allocation to carryout their commitment in this regard.

- ii) Community confidence building measures shall be taken adequately to the local community to remove any apprehension regarding the functioning of Atomic Power Station in Kudankulam. The Kalpakkam Atomic Power Plant may be taken as a model for these activities.
- iii) Further it was also informed to the MoEF&CC, GoI by the TNSCZMA that excepting for CRZ procedural issues there are no guidelines for evaluating the project. Hence it was also indicated to MoEF., GoI that the responsibility of KKNPP to adhere to the Nuclear Safety Regulations of Atomic Energy Regulatory Board (AERB) of Government of India.

4) The Project Proponent has informed that the Condenser Cooling Water (CCW) system in 3to5 units require 70.00 lakhs cubic meter per day water from the Bay of Bengal for one unit and hence the total requirement is about 280 lakhs cubic meter per day. This cooling water is being used in tertiary cooling circuit (third circuit) and added to the condenser system design and it is ensured that there is no radioactive contamination in the CCW discharge. As per the design, the differential temperature between sea water inlet and discharge across the condenser is a maximum of 6.6 degree Celsius. The maximum allowable temperature rise in the sea due to the CCW return is 7 degree Centigrade. The Project proponent has informed that thermal plume dispersion studies through mathematical modeling were carried out to assess the impact of shore discharge on the marine ecology and indicated that the hot water discharge has no impact on the marine life or on the shoreline.

5) As per CRZ Notification 2011, under Para 3(i) (b), the projects relating to Department of Atomic Energy are permissible activities. However, as per Para 4(2) (b), the above activity requires clearance from the Ministry of Environment and Forests, Govt. of India.

6) The Authority may consider.

AGENDA ITEM No.08 Construction of "Space Science Technology Park" at S.F. No.555/1, Kovalam Village, Agastheeswaram Taluk, Kanyakumari district by the Director, Indian Space Research Organization (ISRO), Mahendragiri, Tirunelveli District

The District Environmental Engineer, TNPCB, Kanyakumari district has forwarded a construction of "Space Science Technology Park" (SSTP) at S.F. No.555/1, Kovalam Village, Agastheeswaram Taluk, Kanyakumari district proposed by the Director, Indian Space Research Organization (ISRO), Mahendragiri, Tirunelveli taluk, for Clearance under CRZ Notification 2011.

2) The Land Allotment for 30 Years Lease for the Proposal has been issued to ISRO vide G.O(Ms) No. 307 dated 22.08.2019 by the Tamil Nadu State Revenue and Disaster Management Department. The Construction of Space Science Technology Park is proposed in an extent of 45,800 sq.mtr and the built up area is 17,050 sq.mtr. The Site is located on the landward side of existing Beach Road from Kanniyakumari Town to Kovalam Village along the coastline and opposite to Sunset View Point.

3) There are some structures to an extent of 1,553.40 sq.m viz. Buildings, Toilet Blocks, Panchayat Water Supply Sumps, RWH Sumps, Pavements and other Structures at the Site. The proposed Space Science Technology Park will be the state-of-the-art facility that comprises of a Modern Museum, a Planetarium Complex (with an Observatory), Rocket Garden and Hall of Fame. SSTP will have galleries explaining the growth story of ISRO's Launch Vehicles, Satellites & Applications with actual space hardware giving exhilarating experience to the Citizens & Students.

4) The proposal includes viz., Entrance Plaza Building, Rocket Garden (Rockets Display Area), Pedestrian Plaza (Ground Floor), Space Museum (Ground + First Floors Buildings and Second & Third Floor Level Structures) along with Observatory (Security Observations) & Telescopic Observatory, Substation Building, 500 KVA DG Set Room, 6 KLD RO Plant and 20 KLD STP Plant.

5) The Plot Area Coverage (PAC) / FAR will be 11.52% against the allowable 33% Coverage. The proposed Construction Floor Space Index (FSI) of all Buildings will be 0.21. The proposed Buildings (G+F) will have 9.0 m height. However, the heights of ISRO Steel Sculpture at the Entrance Plaza (17.0 m), Rocket Model Displays (15-30 m) and Space Museum (Second & Third Floor) Steel Structures & Observatory (29.0 m) in CRZ-II Area. The height allowed with reference to Town and Country Planning Rules is to be confirmed.

6) The Project requires about 16.3 KLD fresh water which will be tapped from the existing Panchayat Supply at the Site. A 2-Stage Reverse Osmosis Plant of 6 KLD capacity is proposed. The Facility will generate 15.9 KLD Domestic Sewage which will be treated in a 20 KLD STP. The Facility will also generate 4.0 KLD RO Rejects which will be neutralised and used along with Treated Sewage. The treated effluents of 18.3 KLD will be utilised for Toilet Flushings (5.5 KLD) and Green Belt development (12.8 KLD).

7) The DCZMA, Kanyakumari district has recommended the proposal to SCZMA in the 84th meeting held on 22.11.2019. The proposed cost of the project is Rs.75 crores.

8) 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level".

9) The Authority may consider.

AGENDA ITEM No.09

Construction of Government Guest House Building (Government of Kerala) at S.F.No.599/2, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari District by the Addl. Director (Hospitality), Department of Tourism, Govt. of Kerala, Thiruvananthapuram

The Addl. Director (Hospitality), Department of Tourism, Govt. of Kerala, Thiruvananthapuram has proposed to construct a Government Guest House Building (Government of Kerala) at S.F.No.599/2, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari District and applied for Clearance under CRZ Notification, 2011.

2) The total area available is 16,447.42 sq.mtr and the built up area is 4474.17 sq.mtr. They proposed to construct 32 rooms consisting of 2 suite rooms, 4 special rooms, 12 king size bedrooms and 14 twin bedrooms, a banquet hall with dining facility, restaurant and a cafe launch. The Proponent has informed that the proposal is mainly for the growth of tourism by building a hotel with VIP facilities.

3) The site is located in CRZ-II as per the approved CZMP and the cost of the project is Rs. 14.645 crores.

4) The Project Proponent has submitted the HTL Demarcation map duly superimposing the project site. However, the Environment Impact Assessment (EIA) report, Environment Management Plan (EMP), Disaster Management Plan and Risk Assessment Report is to be received from the Project Proponent.

5) 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level". However, construction of beach resorts or hotels in the designated area of CRZ-III and CRZ-II for occupation of tourists or visitors with prior approval of the MoEF & CC, Govt. of India, as per the Annexure-III of the CRZ Notification, 2011.

6) The Authority may consider.

AGENDA ITEM No.10 Reconstruction of Jeyanthinathar Viduthi and Senthilandavar Viduthi (Yatri Nivas) building site at S.F.No. 200, 201 and S.F. No. 203 at Keela Tiruchendur Village, Thoothukudi district by the Executive Officer, Arulmigu Subramaniaswamy Thirukoil, Tiruchendur, Thoothukudi dist.

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal received from the Executive Officer, Arulmigu Subramaniaswamy Thirukoil, Tiruchendur for the proposed reconstruction of Jeyanthinathar Viduthi and Senthilandavar Viduthi (Yatri Nivas) building site at S.F.No. 200, 201 and S.F. No. 203 at Keela Tiruchendur Village, Thoothukudi district.

2) The applicant has informed that the project was announced by the Hon'ble Chief Minister of Tamil Nadu under Rule, 110 in the Tamil Nadu Legislative Assembly on 28.06.2018. The proposed land belongs to Hindu Religious Charitable and Endowment Department, Govt. of Tamil Nadu.

3) The existing Jeyanthinathar Viduthi and Senthilandavar Viduthi was constructed before 30 years and which are located within the Tiruchendur Subramania Swamy Temple premises at S.F. No. 200, 201 and 203, Keela Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district, is proposed to be demolished. The total area to be demolished for Jeyanthi Nathar Viduthi is 5712.06 sq.m and Senthilandavar Viduthi is 5575.87 sq.m.

4) The proposed reconstruction of Yatri Nivas building comprises of 1 No. of Hotel with G+2, 1 No. of Dormitory with G+2, 1 No. of Drivers Dormitory with G+1, 1 No. of Restaurant and 34 Nos. of family cottage. The extension of the project area is 10.9 acres with a proposed built up area of 19,588.50 Sq.m.

5) The proposed project would generate about 50 Kg/day of domestic solid waste which will be collected by providing bins separately for Bio-degradable and Non-biodegradable waste within the premises. The sewage water will be connected under Panchayat UGD system of Tiruchendur.

6) The proposed project site is falls under CRZ-II and the proposed project cost is Rs.33 crores.

7) The DCZMA for Thoothukudi district have forwarded the proposal to SCZMA in the 69th meeting held on 10.12.2019, with the following conditions.

- a) The applicant shall comply with all the provisions of the CRZ Notification, 2019.
- b) The applicant shall undertake the establishment of the project only after getting the CRZ Clearance and other statutory clearances as required.
- c) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the norms for the Floor Space Index (FSI) prevailing as on date of this notification.
- d) The applicant shall not extract ground water in CRZ Area.
- e) The sewage generated from the proposed facility shall be let into underground sewerage system as maintained by Tiruchendur Town Panchayat for the treatment and disposal after obtaining permission from the local body.
- f) The demolition activity of the existing building shall be carried out by taking all safety precaution and dust control systems.
- g) The construction and demolition waste shall be disposed as per the provisions of Construction and Demolition (C&D) Waste Management Rules, 2016.
- h) No untreated wastewater shall be discharged into coastal water.
- i) The proponent shall comply with the Solid Waste Management Rules, 2016.
- j) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.

8) Subsequently, DEE, TNPCB, Thoothukudi has recommended the proposal as per the provisions of the CRZ Notification, 2011, vide letter dated 22.01.2020.

9) 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level" and reconstruction shall be allowed vide para 8 II CRZ-II (iii) of CRZ Notification 2011.

10) The Authority may consider.

AGENDA ITEM No.11: Construction of Multiplex building Complex (Commercial building) in SF No. 106/9, 106/10, 107/10A and 107/11A of Kottakuppam Village, Vanur Taluk, Villupuram district by Thiru A. Rajasekaran, Puducherry

The District Environmental Engineer, TNPCB, Villupuram district has forwarded a proposal received from Thiru A. Rajasekaran, Puducherry for the for the proposed construction of Multiplex building Complex (Commercial building) in SF No. 106/9, 106/10, 107/10A and 107/11A of Kottakuppam Village, Vanur Taluk, Villupuram district

2) The proposed building consists of one main block with single Basement floor + Ground Floor + 3 Floors which shall comprise Shops, Children Play area, Food Court facilities and Cinema Theatres (5 Screens) and utilities area comprising STP pump room, Organic Waste Converter (OWC) shed and DG Set room. The total plot area is 13,500 Sq.mtr and the total built up area is 13,054 Sq.mtr. Total height of the building is 17.5m.

3) The waste generated in the project site during construction (debris) would be used for backfilling and leveling within the site. The solid waste during operation phase would be collected and segregated. The biodegradable waste will be collected and composted in-situ through Organic Waste Converter (OWC). Non-biodegradable waste shall be segregated according to its characteristics and handed over to respective authorized recyclers for disposal.

4) The Power requirement during construction and operation phase will be sourced from nearby TNEB grid. For power back-up during the power failure, it is proposed to install 2 Nos. of 500 KVA & 2 Nos. of 250 KVA capacity DG sets. The water requirement for the proposed project will be met through Kottaikuppam Town Panchayat water supply network / private water tanker supply. There is no extraction of ground water.

5) The proposed project site is falls under CRZ-II and the landward side of the existing East Coast Road (ECR). The proposed cost of the project is Rs.26.70 crores.

6) After scrutinizing the proposal under CRZ Notification, 2011 / 2019, the DCZMA for Villupuram district have recommended the proposal to SCZMA, in the meeting held on 07.01.2020, with the following conditions.

.21.

- a) The Project Proponent shall obtain the necessary approvals from the Directorate of Town and Country Planning (DTCP) prior to start of construction.
 - b) The Unit shall provide adequate sewage treatment plant along with conveyance arrangements to transport sewage to sewage treatment plant for the treatment and disposal of sewage generated and the treated sewage shall be reused for toilet flushing, gardening and cooling as proposed.
 - c) The project shall incorporate dual plumbing system for recycling of treated sewage water from STP.
 - d) 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.
 - e) The Project Proponent shall explore the possibilities of alternate source of water supply for the proposed activities.
 - f) The unit shall ensure that there shall not be any discharge of treated / untreated sewage and municipal solid waste outside of the premises and nearby sea.
- 7) The Project Proponent has submitted Compliance report for the above conditions.
- 8) As per CRZ Notification 2011, and 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level."
- 9) The Authority may consider.

AGENDA ITEM No.12: Construction of Auditorium (Samuthaya Nalakoodam) at S.F. No.555/1A (part), Kollemcode 'B' Village, Killiyur Taluk, Kanyakumari district by Thiru K. Naganpillai, Kollemcode Post, Kanyakumari district

The District Environmental Engineer, TNPCB, Kanyakumari district has forwarded a proposal for the construction of Auditorium (Samuthaya Nalakoodam) at S.F. No.555/1A (part), Kollemcode 'B' Village, Killiyur Taluk, Kanyakumari district proposed by thiru K. Naganpillai, Kollemcode Post, Kanyakumari district, for Clearance under CRZ Notification 2011.

2) The DCZMA have indicated that the site is located in the CRZ-II area as per the CZMP sheet No.10, vide Deputy Director, DTCP letter dated 18.11.2019. The project proponent has mentioned that the proposed cost of the project is Rs.1.40 crores. The Executive Officer, Kollamcode Grade-I Town Panchayat has assured for the supply of fresh water in letter dated 26.12.2019 to the above Auditorium.

3) The Project Proponent has proposed to construct Ground + First Floor with a built up area of 792.05 sq.mtr. each and the total built up area is 1584.10 sq.mtr. The Addl. Director of Town & Country Planning has stated that the project is falling in CRZ-II which was situated landward side of the existing road, vide letter dated 18.11.2019.

4) As per CRZ Notification 2011, and 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level."

5) The Authority may consider.

AGENDA ITEM No.13: Construction of residential building at S.F. No. 187/1 & 187/2 at Keela Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district by Thiru S. Shunmuga Raja, Tiruchendur, Thoothukudi district.

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal received from Thiru S. Shunmuga Raja, Tiruchendur for the proposed construction of Residential building at S.F. No. 187/1 & 187/2 of Keela Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district.

2) The applicant has informed that the total plot area of the project is 7966 sq.ft with total built up area in FSI 9796 Sq.ft. and non-FSI area of 4898 Sq.ft. The applicant has furnished a building plan which states that the proposed construction comprises of 22 dwelling units in Stilt + First Floor + Second Floor. The site is falling in CRZ-II area and the proposed cost of the project is Rs.2.60 crores.

3) The project proponent has informed that the site is within the Selection Grade Town Panchayat of Tiruchendur, which will provide fresh drinking water and drainage facility.

4) The DCZMA for Thoothukudi district have forwarded the proposal to SCZMA in the 69th meeting held on 10.12.2019, with the following conditions.

- a) The applicant shall comply with all the provisions of the CRZ Notification, 2019.
- b) The applicant shall undertake the establishment of the project only after getting the CRZ Clearance and other statutory clearances as required.
- c) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the norms for the Floor Space Index (FSI) prevailing as on date of this notification.
- d) The applicant shall not extract ground water in CRZ Area.
- e) The sewage generated from the proposed facility shall be let into underground sewerage system as maintained by Tiruchendur Town Panchayat for the treatment and disposal after obtaining permission from the local body.
- f) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2015.
- g) No untreated wastewater shall be discharged into coastal water.

h) The applicant shall comply with the Solid Waste Management Rules, 2016.

5) Subsequently, DEE, TNPCB, Thoothukudi has recommended the proposal as per the provisions of the CRZ Notification, 2011, vide letter dated 22.01.2020.

6) 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 (19.02.1991) shall be subject to the local town and country planning regulations as modified from time to time, except the Floor Space Index or Floor Area Ratio which shall be as per 1991 level and vide Para 8 (i) (II) CRZ-II (iii), reconstruction of authorized building is permissible activity, shall be allowed by the TNSCZMA.

7) The Authority may consider.

AGENDA ITEM No.14: Comprehensive study on environmental impact due to the presence of beach resort and hotels between Chennai and Mamallapuram

In 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) 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. The Authority in the 106th meeting held on 25.07.2019 have 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.

4) M/s. Care Earth Trust, Chennai has only sent the proposal to carry out the said work at a cost of Rs.9,81,000/- (Rupees Nine lakhs and Eighty One thousand only). As per the ToR, the application received, should be evaluated by the Expert Committee and the proposal should get more than 75 out of 100. Hence, the proposal has been sent to the Expert Members of the Authority and all the Expert Members have scored more than 75 out of 100.

5) The Authority may consider to release the amount of Rs.9,81,000/- (Rupees Nine lakhs and Eighty One thousand only), as per the following schedule.

a) Mobilization Advance	: 20%
b) After receipt of the progress report at the end of 3 months	: 40%
c) Draft final report after eight month or earlier	: 30%
d) After acceptance of the final report	: 10%

6) The Authority may consider

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 109th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 19.02.2020**

AGENDA ITEM No.01: Confirmation of the minutes of the 108th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.11.2019.

The minutes of the 108th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.11.2019, communicated, to the Members of the Authority in letter No. P1/2200/2018 dated 29.11.2019 of the Director of Environment, and the Circulation Agenda & minutes of the TNSCZMA dated 02.01.2020 were confirmed.

AGENDA ITEM No.02: The action taken on the decisions of 108th meeting of the Authority held on 26.11.2019

The Member Secretary briefed the Members about the action taken by the Department of Environment on the decisions taken during the 108th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 26.11.2019 and on the Circulation Agenda dated 02.01.2020. The Authority noted the action taken.

AGENDA ITEM No.03 Proposed installation of Single Point Mooring (SPM), sub-sea pipeline from SPM to Land Fall Point (LFP), Desalination Plant for the Sea water intake facility, reject water outfall facility etc., for the proposed 9 MMTPA Capacity grass root Cauvery Basin Refinery (CBR) at Panangudi Village, Nagapattinam Taluk & District by M/s. Chennai Petroleum Corporation Ltd., Chennai.

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

1. A copy of in-principle approval shall be obtained from the Tamil Nadu Maritime Board.
2. Oil Spill Contingency Plan should be formulated and furnished duly correlating with the Oil Spill Contingency Plan of Government of India.

.2.

3. The proponent should adopt 10 Villages around the project site and make necessary infra-structure developments, water supply facilities etc., and also provide necessary hygienic, water supply and capacity building facilities, in schools in consultation with the Department of School Education.
4. The Project Proponent should remit 0.125% of the Project cost of CRZ area, to the Environment Management Agency of Tamil Nadu to carry out the CER activities.
5. The greenery should be developed with the native species with the involvement of Forest Department.
6. The details of characteristics of proposed ETP sludge for landfill after Bio-remediation should be furnished along with the details of landfill points.
7. Continuous monitoring should be conducted through a reputed Institutions / agencies, on the impact of marine and terrestrial eco-system to take remedial action, on the event of any adverse impact.
8. The applicant shall not extract ground water in CRZ Area.
9. The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
10. No untreated wastewater shall be discharged into the sea or water bodies.
11. The applicant shall comply with the Solid Waste Management Rules, 2016.
12. The applicant shall comply with all the provisions of the CRZ Notification, 2011.
13. The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms. No. 84, E&F Department, dated 25.06.2018.

AGENDA ITEM NO. 04 Establishing of 10 MLD Capacity Desalination Plant at R.S. No.355, Mullakadu Village, Thoothukudi Taluk, Thoothukudi District by M/s. Tamil Nadu Generation and Distribution Corporation Ltd., (TANGEDCO) Chennai

The Authority resolved to request the Project Proponent to re-submit the proposal for the consideration with the following details:

- 1) Copy of original Plan approval obtained for the existing structures shall be furnished.

.3.

- 2) As the Project area is earmarked for the existing Thermal Power Station, the details on the adequacy of accommodating the new facilities in the same project area shall be furnished along with the provisions available in the Town Planning Act and rules, for the same, duly authenticated by the Department of Town and Country Planning.
- 3) It is proposed to discharge the brine with the existing cooling water outfall channel, at the shoreline and hence a detailed specific study on the impact of the said discharge, especially on the marine flora and fauna, by a reputed institute in the field may be carried out and furnished.
- 4) The Authority requested the Project Proponent to plan to discharge the brine into the sea, around 3 kms away from the shoreline and furnish the revised proposal within the scope of the provisions of the CRZ Notification 2011, for consideration.

AGENDA ITEM No.05

Proposed project "Central Square - Multimodal Integration and development at Central Station Area, Chennai" at T.S.No.40/1, 41, 42, 43/1, 43/2, 43/5, 1269/4, 1271/1, 1271/2, Vepery Village, Chennai district by M/s. Chennai Metro Rail Ltd., Chennai.107

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

- 1) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 2) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.

.4.

- 3) There should not be any development other than greenery in the proposed site No.2 and No.3. The greenery should be developed with the native species in consultation with the Forest Department.
- 4) No construction activity shall be started / undertaken by the proponent until obtaining the CRZ Clearance from the Competent Authority.
- 5) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- 6) The applicant shall not extract ground water in CRZ Area.
- 7) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 8) No treated /untreated wastewater shall be discharged into the Buckingham Canal.
- 9) The applicant shall comply with the Solid Waste Management Rules, 2016.
- 10) The applicant shall comply with all the provisions of the CRZ Notification, 2011.
- 11) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.
- 12) The construction activities shall not disturb the free flow of water in the Buckingham Canal. Necessary side walls may be constructed on both sides of the Buckingham canal, if necessary, to prevent the inundation, after duly assessing the flood levels.
- 13) Greater Chennai Corporation land shall not be utilized as assured for the project activities.
- 14) NoC from the PWD should be obtained and furnished.
- 15) A copy of the MoU executed with the CMWSSB for the supply of fresh water and for the disposal of waste water should be furnished.
- 16) Height of the proposed structure shall adhere to the Heritage Structures Conservation Rules.
- 17) STP should be out of CRZ area.
- 18) The Project Proponent should remit 0.5% of the Project cost of the CRZ area to the Environment Management Agency of Tamil Nadu to carry out the CER activities.
- 19) The Project Proponent should provide sufficient space / shops to the existing dwellers having the shops at present in the project area and ensure that the shops at the footpath are cleared.

AGENDA ITEM No.06

Construction of Water Distribution Station and laying of water distribution network at Uthandi Village in Chennai district for providing Comprehensive Water Supply Scheme to Mathur, Madipakkam, Jalladampettai and Uthandi Village in Chennai City proposed by M/s. Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Chennai.2

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

- 1) No cutting of trees shall be envisaged during implementation of the project.
- 2) The pipe laying work shall be taken up at least 2m above the maximum groundwater table level in that location.
- 3) The trenches excavated for laying pipeline shall be properly closed and leveled immediately after completion of the pipe laying works.
- 4) Construction waste and the excess excavated earth generated from the project shall be properly collected and disposed by adhering the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 5) No ground water from Coastal Regulation Zone area shall be tapped for the project.
- 6) No construction activity shall be started / undertaken by the proponent until obtaining the CRZ Clearance from the Competent Authority.

AGENDA ITEM No.07

Extension of Validity of CRZ Clearances for the KKNPP 3 to 6 (4x1000 MWe, LWR units) at S.F.No. 771-773, 776-790, 1073-1076 & 1078-1083, Kudankulam, Radhapuram Taluk, Tirunelveli district proposed by M/s. Kudankulam Nuclear Power Project (KKNPP), Tirunelveli district

During the meeting, as the Project Proponent has certified that there is no change in the existing proposal, in terms of all aspects, with reference to the KKNPP 3 to 6 units and also the construction of the above units are under progress, the Authority resolved to recommend the Proposal for the extension of validity under CRZ Notification 2011, to the Ministry of Environment and Forests, GoI subject to the existing specific conditions stipulated by the TNSCZMA and MoEF & CC, Govt. of India.

AGENDA ITEM No.08 Construction of "Space Science Technology Park" at S.F. No.555/1, Kovalam Village, Agastheeswaram Taluk, Kanyakumari district by the Director, Indian Space Research Organization (ISRO), Mahendragiri, Tirunelveli District.

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

- 1) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body / Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 2) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.
- 3) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible
- 4) The applicant shall not extract ground water in CRZ Area.
- 5) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 6) No treated /untreated wastewater shall be discharged into coastal water.
- 7) The applicant shall comply with the Solid Waste Management Rules, 2016.
- 8) The applicant shall comply with all the provisions of the CRZ Notification, 2011.
- 9) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.
- 10) The Project Proponent should remit Rs.2.00 crores to the Environment Management Agency of Tamil Nadu (EMAT) towards the establishment of Turtle Nesting Centre.

AGENDA ITEM No.09 **Construction of Government Guest House Building (Government of Kerala) at S.F.No.599/2, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari District by the Addl. Director (Hospitality), Department of Tourism, Govt. of Kerala, Thiruvananthapuram.**

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

- 1) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 2) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.
- 3) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible
- 4) The applicant shall not extract ground water in CRZ Area.
- 5) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 6) No treated /untreated wastewater shall be discharged into coastal water.
- 7) The applicant shall comply with the Solid Waste Management Rules, 2016.
- 8) The applicant shall comply with all the provisions of the CRZ Notification, 2011.
- 9) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms. No. 84, E&F Department, dated 25.06.2018.

AGENDA ITEM No.10 **Reconstruction of Jeyanthinathar Viduthi and Senthilandavar Viduthi (Yatri Nivas) building site at S.F.No. 200, 201 and S.F. No. 203 at Keela Tiruchendur Village, Thoothukudi district by the Executive Officer, Arulmigu Subramaniaswamy Thirukoil, Tiruchendur, Thoothukudi dist.**

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

- 1) The Project Proponent should explore the possibilities of using stones instead of concrete structures for more durability and prevent erosion due to sea breeze, as the proposed project site is very close to the seashore.
- 2) The greenery should be developed with the native species in consultation with Forest Department.
- 3) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 4) The applicant shall not extract ground water in CRZ Area.
- 5) The sewage generated from the proposed facility shall be let into underground sewerage system as maintained by Tiruchendur Town Panchayat for the treatment and disposal after obtaining permission from the local body.
- 6) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 7) No untreated wastewater shall be discharged into coastal water.
- 8) The applicant shall comply with the Solid Waste Management Rules, 2016.
- 9) The applicant shall comply with all the provisions of the CRZ Notification, 2011.
- 10) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.
- 11) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- 12) A copy of the consent given by the TWAD Board with reference to the Sewage Treatment shall be furnished.

AGENDA ITEM No.11: Construction of Multiplex building Complex (Commercial building) in SF No. 106/9, 106/10, 107/10A and 107/11A of Kottakuppam Village, Vanur Taluk, Villpuram district by Thiru A. Rajasekaran, Puducherry.

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

- 1) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 2) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.
- 3) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible
- 4) The applicant shall not extract ground water in CRZ Area.
- 5) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 6) No treated /untreated wastewater shall be discharged into coastal water.
- 7) The applicant shall comply with the Solid Waste Management Rules, 2016.
- 8) The applicant shall comply with all the provisions of the CRZ Notification, 2011.
- 9) The applicant shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.
- 10) The Unit shall provide adequate sewage treatment plant along with conveyance arrangements to transport sewage to sewage treatment plant for the treatment and disposal of sewage generated and the treated sewage shall be reused for toilet flushing, gardening and cooling as proposed.
- 11) The project shall incorporate dual plumbing system for recycling of treated sewage water from STP.

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- 12) 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.
- 13) The Project Proponent shall explore the possibilities of alternate source of water supply for the proposed activities.
- 14) The greenery should be developed with the native species.
- 15) The Project Proponent should remit 1% of Project cost to the Environment Management Agency of Tamil Nadu to carryout the CER activities.

AGENDA ITEM No.12: Construction of Auditorium (Samuthaya Nalakoodam) at S.F. No.555/1A (part), Kollemcode 'B' Village, Killiyur Taluk, Kanyakumari district by Thiru K. Naganpillai, Kollemcode Post, Kanyakumari district

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

- 1) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 2) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.
- 3) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible
- 4) The applicant shall not extract ground water in CRZ Area.
- 5) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 6) No treated / untreated wastewater shall be discharged into coastal water.
- 7) The applicant shall comply with the Solid Waste Management Rules, 2016.

AGENDA ITEM No.13: Construction of residential building at S.F. No. 187/1 & 187/2 at Keela Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district by Thiru S. Shunmuga Raja, Tiruchendur, Thoothukudi district.

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

- 1) The Project Proponent should execute a declaration that the proposed buildings should not be used as a lodge or hotel or commercial purpose and should be used for ordinary residential accommodation only.
- 2) It shall be ensured that the construction of building shall be subject to the local town and country planning regulations as applicable from time to time and the Floor Space Index or Floor Area Ratio should be as per 1991 level and the Project Proponent should get Planning Permission from the local body/ Department of Town and Country Planning concerned, duly, PRIOR to the commencement of constructions.
- 3) Constructions should be made only on the landward side of the existing road or on the landward side of existing authorized structure, which are available on 19.02.1991.
- 4) Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible
- 5) The applicant shall not extract ground water in CRZ Area.
- 6) The sewage generated from the proposed facility shall be let into underground sewerage system as maintained by Tiruchendur Town Panchayat for the treatment and disposal after obtaining permission from the local body.
- 7) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2016.
- 8) No treated / untreated wastewater shall be discharged into coastal water.
- 9) The applicant shall comply with the Solid Waste Management Rules, 2016.

AGENDA ITEM No.14: Comprehensive study on environmental impact due to the presence of beach resort and hotels between Chennai and Mamallapuram

The Authority resolved to entrust the work to M/s. Care Earth Trust, Chennai at a cost of Rs.9,81,000/- (Rupees Nine lakhs and Eighty One thousand only) and permitted the Member Secretary, TNSCZMA to release the funds as follows after duly executing a MoU with the firm. The Authority requested the Member Secretary, TNSCZMA to ensure that the Turtle Nesting aspect all along the stretch of the study area, is focused in the report, in detail, in all aspects.

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| a) Mobilization Advance | : 20% |
| b) After receipt of the progress report at the end of 3 months | : 40% |
| c) Draft final report after eight month or earlier | : 30% |
| d) After acceptance of the final report | : 10% |

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.