

110th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 28.10.2020

Time: 12.00 Noon

Venue:

Conference Hall, 2nd floor,
Old Building, Secretariat,
Chennai - 600 009

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AGENDA ITEM NO.01: Confirmation of the minutes of the 109th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.02.2020.

The 109th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 19.02.2020 and the minutes were communicated in letter No.P1/2200/2018 dated 27.02.2020 (copy enclosed) of Director of Environment. It may be confirmed.

AGENDA ITEM NO.02: The action taken on the decisions of 109th meeting of the Authority held on 19.02.2020.

Sl. No.	subject	Action taken
01	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	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /3198/2020 dated 18.03.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 4936/EC-3/2020-1 dated 21.03.2020.
02	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	As resolved by the Authority, the Project Proponent has been requested to re-submit the proposal with additional details, for the consideration, vide this office letter No.P1/2626/2019 dated 28.02.2020. The required details are yet to be received.
03	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.10.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1 /793/2020 dated 27.02.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 3676/EC-3/2020-1 dated 06.03.2020.
04	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	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/151/2020 dated 27.02.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 3677/EC-3/2020-1 dated 06.03.2020.

Sl. No.	Subject	Action taken
05	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	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/036/2020 dated 27.02.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 3675/EC-3/2020-1 dated 04.03.2020.
06	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3310/2019 dated 28.02.2020.
07	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/645/2019 dated 28.02.2020.
08	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3499/2019 dated 28.02.2020.
09	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/121/2020 dated 28.02.2020.
10	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3314/2020 dated 27.02.2020.

11	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	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3507/2019 dated 16.03.2020.
12	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/- and 20% of the mobilization advance has been released vide Proc. No.P1/315/2019 dt.17.03.2020

Circulation Agenda dated 02.06.2020

Sl. No.	subject	Action taken
01	Construction of Elevated Road from Chennai Port to Maduravoyal (NH-4) in Tamil Nadu by the Chennai Port Trust, Chennai.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/310/2020 dated 05.06.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 7136/EC-3/2020-1 dated 12.06.2020.
02	Proposed reconstruction of Dismantled Giriprahara Mandapam at S.F.No.202 of Keela Tiruchendur Village, Thoothukudi district by the Executive Officer, Arulmigu Subramaniaswamy Thirukoil, Tiruchendur	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/558/2020 dated 05.06.2020.
03	Establishment of 9 Nos. of Edible Oil Storage tanks at Plot No.4, V.O.C Port Trust, Mullakadu Part-I Village, Thoothukudi Taluk and District by M/s. Kaleesuware Refinery Private Limited	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/2625/2019 dated 05.06.2020.
04	Proposed construction of Service Apartment at S.F. No.527/3A2, 527/4B1, Kovalam Village, Agastheeswaram Taluk, Kanyakumari district by the Thiru N. Sree Kumaran, Thiruvandrum	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3309/2020 dated 05.06.2020.

05	Proposed construction of School Building in S.F.No. 1043/1B, 3B, 7A, 4, 5, 1044/3, 4, 6, 7, 8, 5, 1055/5B of Mathusuthanapuram Village at Pallamthurai Village Panchayat, Agastheeswaram Taluk, Kanyakumari District by the Correspondent, Our Lady of Miracles, Bethany Matriculation School, Sisters of the Little Flower of Bethany, Annai Nagar, Pallam Post, Kanyakumari district	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/643/2020 dated 05.06.2020.
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Circulation Agenda dated 06.06.2020

Sl. No.	subject	Action taken
01	Proposed Defence Project under Indian Coast Guard for Erection of Radar Station including construction of Boundary Wall and allied facilities at Olaikuda Village, Rameswaram Taluk, Ramanathapuram district by Executive Officer, Indian Coast Guard Station, Mandapam, Ramnad district.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/407/2020 dated 12.06.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 7321/EC-3/2020-1 dated 17.06.2020.
02	Proposed Defence Project under Indian Coast Guard for Erection of Radar Station including construction of Boundary Wall and allied facilities at Thondi, Vattanam Village, Ramanathapuram district by Commanding Officer, Indian Coast Guard Station, Mandapam, Ramnad district.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/1000/2020 dated 12.06.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 7322/EC-3/2020-1 dated 17.06.2020.
03	Proposed construction of Coast Guard Radar Station at Poompuhar in Survey No.119, Block No.2, Vanagiri Village, Sirkazhi Taluk of Nagapattinam district by The Deputy Commandant, Commanding Officer (AOL), Indian Coast Guard Station, Karaikal.	As resolved, the proposal has been sent to Environment and Forests Department, GoTN in Ir. Roc. No. P1/1060/2020 dated 12.06.2020. The E&F Department, Govt., of TN, forwarded the proposal to MoEF&CC., GoI in letter No. 7323/EC-3/2020-1 dated 17.06.2020.

05	Development of Fishing Harbours in Kaluveli Waters at Azhagankuppam Village, Marakkanam Taluk, Villupuram district and Alamparaikuppam Village, Cheyyur Taluk, Chengalpattu district by Fishing Harbour Project Division, Chennai	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/525/2020 dated 15.06.2020.
06	Proposed construction of School Building at R.S. No. 113/2A (part), Midalam 'B' Village, Amanaattantheri, Vilavancode Taluk, Kanyakumari district by the Financial Administrator, R.C. Diocese of Kottar, Bishops House, Nagercoil	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/3312/2020 dated 15.06.2020.
07	Proposal for carrying out Soil testing (geotechnical investigation) for Chennai Metro Rail Limited Phase-2 Corridor 4	As resolved, Clearance under CRZ Notification 2011 has been issued for the project in Proc. No. P1/1619/2019 dated 20.06.2020.

Agenda Item No.03.

Construction of Subsurface Dyke/ Check dam with regulator, Converting the existing Cause way into High Level Bridge and Bund formation for the work of "Reclaiming the Kazhuveli Tank for storage of fresh water and sea water intrusion control measures and recharge shaft wells/shaft" in Marakkanam Block of Villupuram district by the Executive Engineer, PWD/WRD, Lower Pennaiyar Basin Division, Villupuram.

The District Environmental Engineer, TNPCB, Villupuram have forwarded a proposal for the Construction of Subsurface Dyke/ Check dam with regulator, Converting the existing Cause way into High Level Bridge and Bund formation for the work of "Reclaiming the Kazhuveli Tank for storage of fresh water and sea water intrusion control measures and recharge shaft wells/shaft" in Marakkanam Block of Villupuram district proposed by the Executive Engineer, PWD/WRD, Lower Pennaiyar Basin Division, Villupuram.

2) The Project Proponent has stated that in order to support the livelihood of farmers and meeting drinking water requirement the PWD/WRD is planning to repair and reconstruct the following facilities at Kazuveli lake. The proposed facilities viz.,

- a) Reconstruction dilapidated of Check dam with subsurface dyke and shutters across Uppukali creek between Kazhuveli lake and Yedayanthittu estuary to reduce the wastage of fresh water getting into the sea and to arrest the seawater intrusion into Kazhuveli lake.
- b) Reconstruction of dilapidated low level Causeway bridge to high level Causeway bridge across Uppukali creek to link the villages on both side of the creek thus reducing the distance and time to cross the creek.
- c) Construction of flood protection bund around the Kazhuveli lake with toe drain arrangement for 20 km on either side of the Kazhuveli lake to increase the water storage capacity and protect the surrounding villages from excessive flood on land due to heavy rain and formation of island in the reservoir to provide a better ecosystem for the birds along with the additional infrastructure facilities.

3) The details of the proposed activities of the project are given below.

- a) **A Check dam** is constructed across the Uppukali creek between Kazhuveli lake and Yedayanthittu estuary to cutoff the sub-surface flow and to arrest the seawater intrusion. The proposed Check dam consists of an operation platform of

height (+) 6.460 m MSL. Bed level of stilling basin is (+) 0.0 m MSL. Also, it consists of 680 m long flood protection wall. The Check dam will be constructed with subsurface dyke and shutters.

- b) **Flood protection wall:** It is a primarily vertical artificial barrier designed to temporarily contain the waters of a river, creek or other waterway which may rise to unusual levels during seasonal or extreme weather events. Due to increase in level from (+) 0.30 m to (+) 3.25 m the adjoining land will be submerged. To avoid the submergence the flood protection wall for a length of 680 m.
- c) **Subsurface Dyke:** Subsurface dyke is a subsurface barrier across streams which restricts the seepage of water through underground from one side to another. It makes to retain the storage of fresh water upstream without any seepage to Yedayanthittu estuary. The proposed Check dam consists of a subsurface dyke with a depth of 9 m from (+) 0.3 m to (-) 8.7 m and crest height of (+) 1.5 m MSL.
- d) **Low level Causeway bridge:** The low level Causeway bridge has span of 580 m and carriage way on top of the bridge had a width of 6 m with 6 number of vents. It was built on 1998 and now has become very old. Presently, during flood season, the existing low level Causeway is in submerged condition due to the deteriorated condition. So, it is proposed to raise the existing low-level Causeway to a high level Causeway at the same place.
- e) **High level Causeway bridge:** The proposed high level bridge across the Uppukali creek connects between Vandipalayam and Oorani village. The bridge has a total span of 580 m. The road level in the bridge is planned at (+) 5.05 m MSL. The high level Causeway bridge will be laid with 9 clear spans at 18 m c/c spacing with a total width of 8.5 m including the parapet at both sides. The carriage way on top of the bridge will have a width of 7m.

4) The proposed high level bridge falling in CRZ-IA, CRZ-IB, Check dam falling in CRZ-IB, CRZ-III and CRZ-IVB and the Flood Protection Bund falling in CRZ-IB, CRZ-II, CRZ-III and CRZ-IVB and the proposed cost of the project is Rs.161 crores.

5) The DCZMA for Villupuram district has recommended the proposal to SCZMA in the meeting held on 26.08.2020, subject to the following conditions.

- a) The project shall be carried out without disturbing the flora and fauna of the area.
- b) The project shall be carried out without disturbing the existing mangroves in the area.

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- c) The project shall be carried out without disturbing the existing bunds & burrows.
- d) The project shall be carried out without disturbing the islands / mounds inside the Kazhuveli Lake.

6) In this connection, a preliminary review meeting was conducted by the Member-Secretary, TNSCZMA on 12.10.2020 and resolved to submit the following details, for taking further action.

- a. Justification for defining the activities whether construction or reconstruction.
- b. Detailed breakup of the project components, project area geographical coordinates, exact coordinates of the low-level Causeway bridge to high level Causeway bridge, CRZ Zonation categories in a table format shall be furnished by the proponent.

7) The above details have been submitted by the Project Proponent, on 15.10.2020, wherein the Project Proponent has informed that the Check dam with subsurface dyke, shutters, low level Causeway bridge, high level Causeway bridge, flood protection bund have been reconstructed as they are dilapidated and not the new constructions.

8) As per CRZ Notification 2011, vide Para 3 (iv) (d), constructions in respect of "measures to prevent sand bars, installation of tidal regulators, laying of storm water drains or for structures for prevention of salinity ingress and freshwater recharge based on carried out by any agency to be specified by MoEF". The Ministry of Environment and Forests, GoI have in Office Memorandum No.11-83/2005-IA-III dated 24th February 2011 issued instructions that the said projects should be examined by one among the 7 institutions viz., ICMAM, IIT Chennai, National Centre for Sustainable Coastal Management (NCSCM), NIT Surat, Department of Erosion Directorate (Ministry of Water resources), IIT Bombay, Central Water and Power Research Station and based on the recommendations made by one of these institutions, the project would be considered for clearance by the TNSCZMA.

9) The applicant has furnished the EIA report through M/s. Indomer Coastal Hydraulic Pvt. Ltd., Chennai, who is the NABET-QCI accredited EIA consultant for Section:33: Port, Harbour, jetties, marine terminals, breakwaters and dredging.

10) The Authority may decide.

Agenda Item No. 04: Laying of Petroleum & Petroleum products pipeline project from Ennore Port to Manali Industrial Area along the NCTPCL Compound Wall via Puzhuthivakkam, Ennore, Vallur, Athipattu, Kathivakkam, Eranvur, Manali, Tirvottiyur, Sathangadu & Sadayankuppam Village in Chennai district by M/s. IMC Limited, Chennai.18.

M/s IMC Limited, Chennai was accorded CRZ clearance from MoEF & CC, Govt. of India for laying of crude oil pipeline project from Ennore Port to M/s CPCL along the NCTPCL compound wall, in Tamil Nadu vide letter No. 11-31/2009-IA.III, dated 24.08.2009.

2) The validity of the said Clearance has been extended up to 23.08.2019 vide the MoEF & CC, Govt. of India letter dated 17.06.2015. M/s IMC Ltd. has requested the MoEF & CC, Govt. of India for an amendment of the route in one section of the proposed pipeline and for further extension of validity of the clearance.

3) The Expert Appraisal Committee (EAC) of Govt. of India have been informed by the Project Proponent in the 226th Meeting held on 23.10.2019 that the construction work for the above mentioned pipeline has started in August, 2019 but there has been a necessity for slight changes in the alignment in one section of the route of the pipeline in order to avoid settlements, marshy water logged area, mangroves and ease of access as per OISD guidelines and for accessibility for monitoring of pipelines. The deviation of the route will be positive to the environmental/CRZ context as it is proposed to take the line along the sea wall in existence (1.004 km) and avoiding sensitive areas.

4) The Expert Appraisal Committee noted if the proposed change in alignment is made, the 7.349 km to 8.353 km chainage will now falls in CRZ-III, whereas, the 11.150 km to 12.320 km chainage, as per approved route, was located in CRZ-II. The Committee also observed that the length of the cross country pipeline due to proposed amendment is reduced to 20.393km, compared to original approved length of about 23.2 km.

5) The EAC deliberated the issues involved and observed that the proposal merits consideration as the proposed changes/deviation in route for about 1 km will have better environmental/CRZ benefits than the original alignment. The Committee however decided that the project proponent shall obtain an endorsement / recommendation from the TNCZMA in this regard.

6) Now, the Project Proponent has applied for CRZ Clearance for the above project as per the suggestion of EAC, MoEF & CC, New Delhi with a re-aligned route i.e. Ennore Port to Manali Industrial Area along the NCTPCL Compound Wall via Puzhuthivakkam, Ennore, Vallur, Athipattu, Kathivakkam, Eranvur, Manali, Tirvottiyur, Sathangadu & Sadayankuppam Village in Tiruvallur and Chennai districts. The proposed project cost is Rs. 94.89 crores and the realignment of the proposed pipeline crossing through CRZ-IB, CRZ-II, CRZ-III and CRZ-IVB.

7) The re-aligned portion of the pipeline route is located in CMDA area and hence the subject was placed before the DCZMA for CMDA areas on 22.06.2020 and the DCZMA has recommended for the realigned route of the above project for the Clearance under CRZ Notification, 2011 to the TNSCZMA, subject to the conditions that until shall continue to comply with the conditions stipulated in the CRZ Clearance already issued for their earlier proposal.

8) In this connection, a preliminary review meeting was conducted by the Member-Secretary, TNSCZMA on 12.10.2020 and suggested the following remarks.

- a. Modification of proposal with realigned route as per the suggestions from the Ministry of Environment, Forests and Climate Change (MoEF & CC), Govt. of India.
- b. Realignment of the proposed pipeline attracts additional CRZ zones viz., CRZ-IB, CRZ-II, CRZ-III and CRZ-IVB than the earlier proposal and the same may be justified.

9) The reply from the Project Proponent is awaited.

10) 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) I CRZ I (b) and 8 (i) II CRZ II (iv)., 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 (MoEF & CC), Govt. of India.

11) However, the MoEF, GoI have already issued Clearance, for the existing alignment, under the CRZ Notification, 1991, vide letter dated 24.08.2009 and imposed the condition apart from others that in the event of any change in the Project Profile a fresh reference shall be made to the Ministry of Environment and Forests, vide Para 6 (ii) of the said Clearance.

12) The Authority may consider.

Agenda Item No.05: **Amendment from TNSCZMA for revised redrawn / revised HTL demarcation map indicating the details of Desalination Plant for the proposed "Beach Resort" by M/s. Dual Structural & Industries Pvt. Ltd./, located at Kadalur Village, Cheyyur Taluk, Kancheepuram district**

The District Coastal Zone Management Authority of Kancheepuram district has forwarded a proposal for the construction of a Beach Resort at S.F. No. 389/B, 485/2B, 556/1A2, 1C, 2B, 3B, 557/1B, 3, 4, 571/2A, 2B, 2C, 2D, 2E of Kadalur village, Cheyyur Taluk, Kancheepuram district proposed by M/s. Dual Structural and Industries Pvt. Ltd., Chennai., in an extent of 8.0239 hectares (80,239.954sq.m.). The entire project area is falling in CRZ-III. The applicant proposed to develop resort with a facility of 95 single rooms, 144 double rooms, 16 VIP rooms, 10 guest rooms besides other features comprising of recreation rooms, meditation dormitory, yoga room, Naturopathy consultation for visitors, spa and tennis court. The maximum height of the building is 7.92 m., with ground floor and first floor with total built up area of 25,346 sq.m. (FSI 0.147) within the development of zone of 200mts to 500mts in CRZ. The Total cost of the project is 24.00 crores.

2) The total water requirement for various uses is 60 KLD and will be met from the ground water from S.No. 404, which is very near the site and falling away from the CRZ. The resort has proposed to implement sewage treatment plant to treat the domestic sewage quantity of 54 KLD. The treated sewage of 34 KLD is to be utilized for gardening purpose and the quantity of 32 KLD will be reused for toilet flushing.

3) The applicant produced a copy of HTL demarcation map obtained from IRS., Anna University. As per the approved Coastal Zone Management Plan Map the site is categorized as CRZ-III and the entire development area of 47,120.81 sq.m., of site is falling in between 200 mts and 500 mts from HTL of sea. The remaining area of 33119.14 sq. m., is falling in the No Development Zone.

4) The proposal has been placed before the 85th TNSCZMA meeting held on 24.08.2015 and recommended the proposal to MoEF & CC, Govt. of India.

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5) The proposal has been discussed in the 172nd Expert Appraisal Committee (EAC) meeting of the MoEF & CC, Govt. of India held on 30.06.2017 and the Govt. of India have requested the following details, vide letter dated 14.09.2017 based on the comments of the EAC.

- i) Amended TNSCZMA letter pursuant to the redrawn / revised CRZ map indicating the details of desalination plant therein (originally the Project Proponent has not included the construction of desalination plant).
- ii) Action plan for handling of brine generated due to the desalination plant.

6) Accordingly, the applicant has furnished the above two details. The details may be sent to MoEF & CC, GoI, for further action.

7) In this connection, a preliminary review meeting was conducted by the Member-Secretary, TNSCZMA on 12.10.2020 and suggested that the verification of the project area map indicating the Desalination plant with the approved CZMP shall be carried out.

8) The reply from the Project Proponent is awaited.

9) The Authority may consider.

AGENDA ITEM NO.06: Exemption requested from the payment of CER activity with reference to the 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 DEE, TNPCB, Kanyakumari district has forwarded a construction of "Space Science Technology Park" (SSTP) at S.F. No.555/1, Kovalam Village, Agastheeswaram Tk., Kanyakumari dist. proposed by the Director, Indian Space Research Organization (ISRO), Mahendragiri, Tirunelveli tk., and dist. for the Clearance under CRZ Notification 2011.

2) The proposal was placed before the 109th meeting of the TNSCZMA held on 19.02.2020 and the Authority have resolved to clear the proposal, with the following specific condition, among other things.

"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".

3) As resolved by the TNSCZMA, Clearance under the CRZ Notification, 2011 have been issued to the Project Proponent, vide this Office Proc. No. P1/3310/2019 dated 28.02.2020.

4) In this connection, the Director, ISRO Propulsion Complex (IPRC), Mahendragiri, Tirunelveli district have stated as follows, in their representation dated 07.09.2020.

- a) The SSTP project is for outreach activity by ISRO for the benefit of public in general and student community in particular to create awareness about Space Programme in India.
- b) The entire project works are under hold on account of Covid-19 pandemic and hence the project is yet to be initiated.
- c) The Govt. of India has directed us to review and reduce all the Departmental expenditures during the Financial Year 2020-21 and 2021-22 and budget for ongoing project are also rationalized.
- d) Already, the project cost is reduced to 1/3rd of the original estimate as this is not our primary activity.
- e) After construction, the Operation and Maintenance of the SSTP will be outsourced and will be running it on No Profit / No loss basis.

5) In view of the above, the Project Proponent have requested to waive of the remittance of CER amount of Rs.2.00 crores towards the establishment of Turtle Nesting Centre.

6) The Authority may consider.

AGENDA ITEM NO.07: Submission of study proposal titled "Exploration, assessment and mapping of offshore reefs and other biological resources in Gulf of Mannar, Tamil Nadu for protecting and restoring biodiversity and livelihood, in the face of temperature anomalies due to climate Change: An endeavor to contribute to Sustainable Development Goal 14 for funding under the State Coastal Zone Development Fund proposed by Thiru J.K. Patterson Edward, Director, Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi

Dr. J.K. Patterson Edward, Director, Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi has sent a proposal for the "Exploration, assessment and mapping of offshore reefs and other biological resources in Gulf of Mannar, Tamil Nadu for protecting and restoring biodiversity and livelihood, in the face of temperature anomalies due to climate Change: An endeavor to contribute to Sustainable Development Goal 14.

2) The Project Proponent has stated that under the National Adaptation Fund for Climate Change (NAFCC) funded by the MoEF & CC, Govt. of India, a comprehensive baseline study was conducted by SDMRI during the period between May 2017 and March 2019 on coastal habitats and associated biodiversity, with special focus on the distribution, abundance and diversity of benthic flora and fauna within a distance of 10 km towards marine zone from the shore along the Gulf of Mannar coast between Rameswaram and Kanyakumari.

3) The present study will cover the area from 10 km offshore to the boundary of Gulf of Mannar Biosphere reserve at depths upto 40m.

4) The proposed project involves three activities viz., 1) Assessment and mapping of the unexplored offshore (deeper) coral reefs for conservation and management to achieve healthy and productive oceans, 2) Identification of temperature tolerant coral species from the reefs of the deeper offshore waters for restoration of the shallow reefs to strengthen coral resilience; and 3) Experimental restoration of the degraded shallow reef

areas using these temperature tolerant coral species from the deeper offshore reef areas to improve ocean health, and to enhance the contribution of marine biodiversity.

5) The SDMRI has proposed to complete the above works at a cost of Rs.569.56 lakhs in two years and requested financial assistance under the State Coastal Zone Development Fund.

6) As the project involves more than Rs.10 lakhs, the proposal attracts the Tamil Nadu Transparency in Tenders Act. At present around a sum of Rs.5.00 crores is available under the above fund and expenditure could be incurred under the above fund after getting due allocations from the State Budget through Finance Department.

7) In this connection, a preliminary review meeting was conducted by the Member-Secretary, TNSCZMA on 12.10.2020 and suggested the following remarks.

- a) Proposed study may be considered due to its importance and the project will be helpful in achieving the Sustainable Development Goal 14: Life below water.
 - b) Adequate skills and resources to implement the programme as it is of continuation with earlier projects.
 - c) As the current financial year is nearing end, the proposed study may be revised for two & half year and financial requirement may be revised to minimum.
- 8) The Authority may decide.

AGENDA ITEM NO.08: Request of Rs.20.00 lakhs from CSR funds for feeding and improvement of Gharial Breeding to Chennai Snake Park Trust, Guindy, Chennai proposed by Dr. S. Paulraj, IFS (Retd)., Executive Chairman-CSPT and Expert Member, TNSCZMA

The Executive Chairman, Chennai Snake Park Trust, Guindy, Chennai has stated that the Chennai Snake Park is one of the oldest Parks in India, established in the year 1972. Conservation, breeding and creating awareness of various snakes and crocodiles are the major objectives of the Park.

2) Further, the Executive Chairman, Chennai Snake Park Trust has informed that the park was closed for more than three months due to Covid 19 pandemic and the unexpected situation heavily affected their income source viz., entry fee etc., and now they are facing a critical situation in further running the Park and maintenance of more than 350 animals including 20 varieties of Snakes 5 varieties of Crocodiles and varieties of Lizards & Turtles.

3) The Executive Chairman, Chennai Snake Park Trust has requested to allocating CSR fund so as to take care of feeding the animals during this pandemic period, as detailed below.

1. Feeding charges for one year @ Rs.1.5 lakhs / month (1.5x12) : Rs.18.00 lakhs
2. Improvement of Gharial breeding enclosure : Rs. 2.00 lakhs

Total :Rs.20.00 lakhs.

4) The Authority may consider his request.

AGENDA ITEM NO.09: Request for the release of next installment of funds towards the "Comprehensive study on environmental impact due to the presence of beach resort and hotels between Chennai and Mamallapuram"

In the 103rd meeting of the Tamil Nadu State Coastal Zone Management Authority 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 TNSCZM 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) The proposal has been placed before the 109th meeting of the TNSCZMA held on 19.02.2020 and 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.

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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% |

4) Accordingly, the Mobilization Advance of Rs.1,96,200/- released to M/s. Care Earth Trust vide Proceedings dated 17.03.2020.

5) M/s. Care Earth Trust has submitted the progress report vide their letter dated 08.09.2020. As per the MoU, the 40% of amount on total cost should be released after receipt of the progress report at the end of 3 months.

6) In this connection, a preliminary review meeting was conducted by the Member-Secretary, TNSCZMA on 12.10.2020 and suggested the following remarks.

- a. Progress report indicating the sanctioned activities as per MoU, Status of the project activities in terms of physical and financial should be furnished by the proponent, at the earliest in the prescribed format, indicating all the targeting tasks and actually completed.
- b. On the receipt of the report in the prescribed format, inspection may be carried out by the Department of Environment to confirm the findings of the reports with reference to the field, if required.

7) The reply from M/s. Care Earth Trust is awaited.

8) The Authority may consider.

AGENDA ITEM No.10: Any other subject with the permission of the Chair.

Sd./- xxxx

Thiru K.V. Giridhar, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd./- xxxx

Thiru Sandeep Saxena, I.A.S.,
Chairman, TNSCZMA and
Addl. Chief Secretary to Government,
Environment & Forests Dept., Chennai-9.

**MINUTES OF THE 110th MEETING OF THE TAMIL NADU STATE COASTAL
ZONE MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 28.10.2020**

AGENDA ITEM No.01: Confirmation of the minutes of the 109th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.02.2019.

The minutes of the 109th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.02.2020, communicated, to the Members of the Authority in letter No. P1/2200/2018 dated 27.02.2020 of the Director of Environment, and the Circulation Agenda & minutes of the TNSCZMA dated 02.06.2020, 06.06.2020 and 22.10.2020 were confirmed.

AGENDA ITEM No.02: The action taken on the decisions of 109th meeting of the Authority held on 19.02.2020 and three Circulation Agendas dated 02.06.2020, 06.06.2020 and 22.10.2020.

The Member Secretary briefed the Members about the action taken by the Department of Environment on the decisions taken during the 109th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 19.02.2020 along with the action taken on the Circulation Agendas dated 02.06.2020, 06.06.2020 and 22.10.2020. The Authority noted the action taken.

Agenda Item No.03. Construction of Subsurface Dyke/ Check dam with regulator, Converting the existing Cause way into High Level Bridge and Bund formation for the work of "Reclaiming the Kazhuveli Tank for storage of fresh water and sea water intrusion control measures and recharge shaft wells/shaft" in Marakkanam Block of Villupuram district by the Executive Engineer, PWD/WRD, Lower Pennaiyar Basin Division, Villupuram.

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

- a) The project shall be carried out without disturbing the flora and fauna of the area.
- b) The project shall be carried out without disturbing the existing mangroves in the area.
- c) The project shall be carried out without disturbing the existing bunds & burrows.

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- d) The project shall be carried out without disturbing the islands / mounds inside the Kazhuveli Lake.
- e) As the High Level Causeway proposed in the project is a High Level Bridge, it should be ensured that the bridge and the slopes should not obstruct water flow to the Kazhuveli Tank.
- f) With reference to Sedimentation, the PWD should consult IIT Madras periodically and mitigate the adverse impacts, if any.
- g) Pre water (both surface and ground) level and quality may be ascertained so that, this will serve background information for the post impact study and to plan future activities in and around the project areas.
- h) There should be no extraction of Ground water in CRZ areas.
- i) The construction and demolition waste shall be disposed as per the provisions of the Construction and Demolition (C&D) Waste Management Rules, 2015.
- j) The Project Proponent shall comply with the Solid Waste Management Rules, 2016.
- k) The Project Proponent shall comply with all the provisions of the CRZ Notification, 2011.
- l) The Project Proponent shall not use the banned use and throw plastic items notified vide G.O. Ms.No. 84, E&F Department, dated 25.06.2018.
- m) The PWD should remit 0.75% of the Project cost to the Environment Management Agency of Tamil Nadu (EMAT) to carryout CER activities, as the project is a Brownfield project.

Agenda Item No. 04: Laying of Petroleum & Petroleum products pipeline project from Ennore Port to Manali Industrial Area along the NCTPCL Compound Wall via Puzhuthivakkam, Ennore, Vallur, Athipattu, Kathivakkam, Eranvur, Manali, Tirvottiyur, Sathangadu & Sadayankuppam Village in Chennai district by M/s. IMC Limited, Chennai.18.

The Authority resolved to request the Project Proponent to submit the following details to take further action.

- a) As the proposed pipeline pass through the inter-tidal zone (CRZ IB) area, the impact on the flora and fauna due to the project activities together with the mitigation measures to be taken on the adverse impacts, if any, should be furnished.

- b) The details with reference to the disturbances due to the project constructions, including the horizontal drilling, during the construction phase, should be elaborated with facts and figures, as the constructions should not affect the habitat.
- c) As the pipeline is proposed to transport Petroleum Products and also cross over the water body, a detailed Risk Analysis, with reference to the worst case scenario during disasters, accidents along with mitigation, management techniques shall be furnished.
- d) As the project pipeline cross over around 10 to 11 fishermen hamlets, stakeholder consultations to be conducted, so as to avoid resistance from the local community and fishermen, at the time of execution of the project and the said details should be furnished.
- e) Comparative Statement showing the details about the approval of the earlier pipeline alignment and the proposed re-alignment, with reference to the zonation, shall be furnished.
- f) In the EIA study, the scale of maps are not uniform. In some places the entire country map (geology/seismic) is used. In some places the district level map is used (land use/ land cover/ geomorphology, hydrogeology and water level). In some places the study area map is used. It should be uniform throughout the Report.
- g) The details of the Ground Water (Chapter 3.6.2) shall be re-checked, if the study area is characterized by river alluvium.
- h) Ground water level of pre-monsoon May 2006 and Post-monsoon Jan 2007 was given in the report, that too in the scale of District level. The same may be given with the latest water level.
- i) The details of CER activities proposed, under the present proposal, shall be furnished.

Agenda Item No.05:

Amendment from TNSCZMA for revised redrawn / revised HTL demarcation map indicating the details of Desalination Plant for the proposed "Beach Resort" by M/s. Dual Structural & Industries Pvt. Ltd./, located at Kadalur Village, Cheyyur Taluk, Kancheepuram district

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The Authority resolved to request the Project Proponent to submit the following details to take further action.

- a) The process of proposed desalination plant shall be furnished.
- b) A detailed Action Plan for handling of brine generated due to the desalination Plant, especially, with reference to the Marine life, shall be furnished.
- c) The basis, design parameters, with reference to the intake sea water and outfall brine discharge points, shall be furnished duly supported with modeling studies.

AGENDA ITEM NO.06: Exemption requested from the payment of CER activity with reference to the 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 request the Project Proponent to remit the CER amount, as per the rules and regulations in force and requested the Member Secretary, TNSCZMA to follow the standard procedures with regard to CER.

AGENDA ITEM NO.07: Submission of study proposal titled "Exploration, assessment and mapping of offshore reefs and other biological resources in Gulf of Mannar, Tamil Nadu for protecting and restoring biodiversity and livelihood, in the face of temperature anomalies due to climate Change: An endeavor to contribute to Sustainable Development Goal 14 for funding under the State Coastal Zone Development Fund proposed by Thiru J.K. Patterson Edward, Director, Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi

The Authority resolved to approve the study proposal as the said proposal is the extension of the exiting on-going project under the National Adaptation Fund for Climate Change (NAFCC) sanctioned by the Ministry of Environment Forests and Climate Change, GoI. The Authority resolved to execute the above project, at the revised cost of Rs. 5.20 Crores, through Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi, under the State Coastal Zone Development Fund.

Under the Project, the Authority resolved to include the aspects in the ToR viz., whether the sea weed cultivation causes bleaching, identification and earmark the areas for native sea weeds cultivation to avoid conflicts.

AGENDA ITEM NO.08: Request of Rs.20.00 lakhs from CSR funds for feeding and improvement of Gharial Breeding to Chennai Snake Park Trust, Guindy, Chennai proposed by Dr. S. Paulraj, IFS (Retd)., Executive Chairman-CSPT and Expert Member, TNSCZMA

As the Chennai Snake Park Trust, Guindy, Chennai has also applied for funding under CER, to SEIAA for feeding and improvement of Gharial Breeding, the Member Secretary, TNSCZMA suggested that the request may be examined at SEIAA.

AGENDA ITEM NO.09: Request for the release of next installment of funds towards the "Comprehensive study on environmental impact due to the presence of beach resort and hotels between Chennai and Mamallapuram"

The representatives of M/s. Care Earth Trust, during the meeting, have reported that they have prepared the Progress Report based on the secondary data and they started the field visits only during the September 2020, due to COVID 19 Pandemic. The Authority indicated that for such Impact Study Primary Data is very much needed and resolved to request M/s. Care Earth Trust, to submit Progress Report based on the Primary Data.

The Authority pointed out that the progress report furnished by the Consultant is having only qualitative parameters and no quantitative values of Primary data have been provided. Further, the report is also lacking details with reference to the ecological assessments such as identification of Turtle Nesting - existing and new vulnerable sites, sand dunes etc.,

The Authority also indicated to the Project Proponent, that due to COVID 19 pandemic, there was no tourism activity and all the hotels, resorts were also closed and the Primary data, on the Air Quality, Water Quality, Noise levels, Pollution levels, if taken during the said period, would have given more realistic data and which may available for accurate comparing / analyzing perfectly, with the data to be collected during the full activity period.

AGENDA ITEM No.10: Any other subject with the permission of the Chair.

- a) The Authority resolved to revise the Sitting fees offered to the Members of the Authority, on par with the Members of the SEAC/SEIAA.
- b) The Chairman of TNSCZMA has pointed out, the absence of structured way of processing the Project applications, seeking Clearance under CRZ Notifications and also handling the complaints. He informed to the Members of the Authority that the Member Secretary, TNSCZMA has already been requested to develop online Portal with two modules similar to that of Parivesh to deal the above two matters. The Authority appreciated the action of the Chairman and resolved to utilize the State Coastal Zone Development Fund to the extent required for the development of above online Portal with two modules.

Sd./- xxxx
Thiru K.V. Giridhar, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment,
Chennai - 15.

Sd./- xxxx
Thiru Sandeep Saxena, I.A.S.,
Chairman, TNSCZMA and
Addl. Chief Secretary to Government,
Environment & Forests Dept., Chennai-9.