

117th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 20.07.2022 (Wednesday)

Time: 4.00 P.M.

Venue:

7th Floor, Conference Hall,
Environment, Climate Change & Forests
Department,
Namakkal Kavignar Maaligai,
Secretariat, Chennai.9

INDEX

Agenda No.	Description	Pg. No.
01	Confirmation of the minutes of the 116 th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 20.06.2022	01
02	The action taken on the decisions of 116 th meeting of the Authority held on 20.06.2022	01
03	Proposed construction of additional amenities Building in Arulmigu Subramania Swamy Thirukovil in S.No.147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B,201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489, 180, 181, 182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1, 135/1C39, 454/2, 455/2, 456/2, of Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district by the Executive Officer, Arulmigu Subramaniya Swamy Thirukoil, Tiruchendur, Thoothukudi district.	04
04	Construction of "Chennai Metro Rail Phase-II (Corridor 3 Madhavaram Milk Colony to SIPCOT) at Chennai district by Chennai Metro Rail Limited	10
05	Construction of Gasifier Crematorium at SF No.1085/2 (pt), Anjugramam Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Officer, Anjugramam First Grade Town Panchayat, Anjugramam, Kanyakumari district	15
06	Proposed Establishment of Diesel Bunk at SF No. 13/2, (No.5 ECR Road), Block 3, Ward K, Colachel B Village, Kalkulam Taluk, Kanyakumari district by Thiru S. Antony Raj, Proprietor, Colachel, Kanyakumari district	17
07	Any other subject with the permission of the Chair	18

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AGENDA ITEM NO.01: Confirmation of the minutes of the 116th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 20.06.2022

The 116th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 20.06.2022 and the minutes were communicated to the Members of the Authority, vide this office letter No.P1/1950/2021 dated 08.07.2022.

AGENDA ITEM NO.02: The action taken on the decisions of 116th meeting of the Authority held on 20.06.2022

Sl. No.	subject	Action taken
01	Proposed Development / improvement of 7 Infrastructure facilities at Chennai Port Trust, Chennai district by Chennai Port Trust (Resubmission)	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/1931/2020, dated 11.07.2022
02	Construction of Integrated Storm Water Drains (ISWD) in "Kovalam Basin" within Greater Chennai Corporation limits, viz., Kottivakkam, Palavakkam, Neelankarai, Enchambakkam, Uthandi Villages in Chennai district by Greater Chennai Corporation, Chennai (Resubmission)	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/2498/2021, dated 11.07.2022

Sl. No.	subject	Action taken
03	Proposed Beach Resort and Convention Centre at S.No.14/3c2a and 14/3c2b of Deveneri Hamlet, Mamallapuram by M/s. VGS Estates Pvt. Ltd., Nandanam, Chennai.35 (Resubmission)	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF& CC, GoI, vide this office letter No.P1/2498/2021, dated 11.07.2022
04	Proposed construction of Clinic Building at T.S. No. 223/3, Ward No.6, Block No.9, Pudupayalam, Cuddalore, Cuddalore district by Dr. SathyaMariappan, Cuddalore	As resolved by the Authority, the proposal has been forwarded to DTCP, vide this office letter No.P1/1073/2022, dated 11.07.2022
05	Construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Enayam, Keezhkulam Village, Killiyoor Tk., Kanyakumari dist. by the Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil (Resubmission)	The decision of the Authority was communicated to the DCZMA for Kanyakumari district, with a copy to the Project Proponent, vide this office letter No. P1/109/2022, dated 11.07.2022
06	Construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Azhikkal, Ganapathipuram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil (Resubmission)	
	Proposed construction of Shoreline Protection Structures (Groynes Field for erosion prevention & control) at Periyayagi Street, Kanyakumari Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil (Resubmission)	
	Proposed construction of Shoreline Protection Structure (Groynes Field for erosion prevention & control) at Kovalam, Agastheeswaram Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Engineer, Anti Sea Erosion Division, WRD, Nagercoil (Resubmission)	

Sl. No.	subject	Action taken
	Existing Unit of M/s. OMR Ice Plant at Re.Sy. No. 129/10C, Colachel Village, Kalkulam Taluk, Kanyakumari district by Thiru J. Micheal Raj, Proprietor, OMR Ice Plant, Simon Colony Village, Kanyakumari district (existing building)	The decision of the Authority was communicated to the DCZMA for Kanyakumari district, with a copy to the Project Proponent, vide this office letter No. P1/032/2022, dated 11.07.2022
	Existing Government aided School building of Bapuji Memorial Hr. Secondary School at S.No.650/9, 10 & 11, Manavalakurichi Village, Kalkulam Taluk, Kanyakumari district by Thiru Nazerath Charles, Bapuji Memorial Hr. Sec. School, Manavalakurichi Village, Kanyakumari district (existing building)	The decision of the Authority was communicated to the DCZMA for Kanyakumari district, with a copy to the Project Proponent, vide this office letter No. P1/1000/2022, dated 11.07.2022
	Existing school building of "Our Lady of Mercy Matriculation School" at S.No. 312/1A1A, Ezhudesam C Village, Killiyoor Taluk, Kanyakumari district by Sr. Jaya Sheela. S., Our Lady of Mercy Matriculation School, Karunyapuram, Poothurai, Kanyakumari district (existing building)	The decision of the Authority was communicated to the DCZMA for Kanyakumari district, with a copy to the Project Proponent, vide this office letter No. P1/1001/2022, dated 11.07.2022
	Construction of Muthamizh Arignar Dr. Kalaighnar Memorial within existing Anna Memorial campus at Kamarajar Salai, Triplicane Village, Chennai 600 005" comprised in T.S.No. 3175 part, 3372/1 part, 3372/2 part, 3376, Block No.69 of Triplicane Village, Chennai district - Clearance issued under the CRZ Notification, 2011 - Amendment requested	As resolved by the Authority, the proposal has been forwarded to CMDA, vide this office letter No.P1/2462/2021, dated 11.07.2022
	Proposed construction of "Muthamizh Arignar Dr. Kalaighnar Pen Monument" in Bay of Bengal off the coast of Marina Beach near Triplicane Village, Chennai district.	As resolved by the Authority, the proposal has been forwarded to GoTN, for forwarding to MoEF & CC, GoI, vide this office letter No.P1/900/2022, dated 12.07.2022

AGENDA ITEM NO.03: Proposed construction of additional amenities Building in Arulmigu Subramania Swamy Thirukovil in S.No.147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B, 201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489, 180, 181, 182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1, 135/1C39, 454/2, 455/2, 456/2, of Tiruchendur Village, TiruchendurTaluk, Thoothukudi district by the Executive Officer, Arulmigu Subramaniya Swamy Thirukoil, Tiruchendur, Thoothukudi district.

The District Environmental Engineer, TNPCB, Thoothukudi district has forwarded a proposal received from the Executive Officer, Arulmigu Subramaniya Swamy Thirukoil, Tiruchendur for the construction of additional amenities Building in Arulmigu Subramania Swamy Thirukovil in S.No.147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B, 201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489, 180, 181, 182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1, 135/1C39, 454/2, 455/2, 456/2, of Tiruchendur Village, TiruchendurTaluk, Thoothukudi district.

Need of the Project

Arulmigu Sri SubramaniaSwamyThirukoil, Tiruchendur has proposed to construct additional amenities buildings for the devotees and temple staff i.e. Special Dharshan area, Annadhanam Hall, Toilets, Elephant Shed, family cottage, KalyanaMandapams and staff quarters etc., totally 40 amenities buildings and 05 service buildings.

Description of the project

The total land area available is 2,71,313.39sq.mtr and the built up area is 65,147.78 sq.mtr. The site having plain terrain the project site is slightly sloping towards south. The project site is located at 8°29'38.50"N latitude & 78°7'36.74"E longitude. The details additional amenities are given below.

Existing Building

Sl. No.	Name of the Block / Building	Total built-up Area Sqm.
Q	YatriNivas Block-1	3,614.42
R	YatriNivas Block-2	4,606.78
R1	Drivers Dormitory	595.40

S	Restaurant	760.16
T	Family Cottage-1	303.80
U	Family Cottage-2	303.80
V	Family Cottage-3	303.80
W	Family Cottage-4	303.80
X	Family Cottage-5	303.80
Y	Devar Cottage	591.88
	Total Built up Area	11687.64.Sqm (A)

Proposed buildings

Sl. No.	Name of the Block / Building	Total built-up Area (FSI Area)Sqm.
1	Entrance arch with security cabin	35.00
2	Entrance Block-A	296.10
3	Entrance Block-B	5,735.13
4	Toilet block-1	389.54
5	Block-C	1,327.72
6	Temple Kisok-1	141.32
7	Toilet block-2	224.84
8	Queue complex	1,421.50
8A	Valli cave - Queue	231.00
9	Prasadham distribution centre	39.40
10	Special Dharshna Area	983.95
11	Security watch tower	60.00
12	Block-D	642.04
13	Annadhanam Hall	3,353.10
14	Kitchen	1,364.00
15	Elephant shed	94.66
16	Toilet block-3	542.68
17	KalaiArangam	801.46
18	Tonsure and change rooms	2,406.28
19	Toilet block-4	637.34
20	Nazhikinaru queue complex	126.53
21	Soorasamhara promenade	4,705.00
22	Substation	210.00
23	Shops-1	2,009.97
24	Shops-2	372.67
25	Laundry	260.00
26	Family Cottage-6	3,228.57
27	Family Cottage-7	3,228.75
28	Family Cottage-8	794.31
29	Family Cottage-9	5,301.48

30	Kalyana mandapam-1	1,320.00
31	Kalyana mandapam-2	1,320.00
32	Toilet block-5	389.54
33	Toilet block-6	432.00
34	Dormitory block-1	864.00
35	Dormitory block-2	864.00
36	Toilet block-7	432.00
37	Service block	1,271.22
38	Staff quarters-1	1,271.22
39	Staff quarters-2	1,271.22
40	Future Cottages	1,980.00
41	UG Sump with pump room	500.00
42	STP Plant with pump room	800.00
43	Waste collection center	200.00
44	Scrapyard	200.00
45	OHT	200.00
	TOTAL NEW BUILDINGS BUILTUP AREA	53,460.14 Sq.m (B)
	A+B	65,147.78 Sq.m

Existing building area : 11,687.64 sq.m
Proposed buildings area : 53,460.14 sq.m
Total Built up area : 65,147.78 sqm.

Details of heritage building

The heritage stone building which were dated 2000 years back with the built up area of 18,861.25 sq.mtr. The buildings are Main Temple, VasanthaMandapam, ThirupaniMandapam, AnandhaVilasaMandapam, Valli Cave Temple, KalMandapam, GounderNalaSangam, Idumban Temple, NazhiKinaru, Moovar Samadhi, Holy well, SanthosaMandapam, Ayya Temple, SankaraSwamigalOdukkam.

Water requirement

During construction phase, the water requirement of 25-30 KLD will be sourced through tanker supply. About 529 KLD fresh water will be required for operational stage and will be met through Tiruchendur Municipality.

Power requirement

The power requirement for the existing building about 1000 kVA and 1500 kVA for proposed building will be met from TNEB Grid. For emergency purposes, 2 Nos. of DG Sets with each 750 kVA will be installed.

Storm Water Management

The roof top rainwater from the project site will be collected in the UG rain water sump through downspouts and the same will be used as fresh water source for domestic purpose. The water from paved and green surfaces will be directed to the recharge pit (5 Nos.).

Solid Waste Management

The solid waste will be comprised biodegradable waste and non- biodegradable waste. The biodegradable waste @ 1.373 T/day will be treated in Organic Waste Converter and used as manure and the non-biodegradable waste @ 2.060 T/day will be sent to authorized recyclers or local bodies for recycling.

Sewage Treatment Plant

Domestic wastewater generated to be about 476 KLD and sewage generation is 267 KLD. The total quantity of 743 KLD waste water will be treated in the 750 KLD STP. The 669 KLD of treated wastewater will be utilized for flushing (267 KLD) and Gardening (402 KLD).

Green belt development

About 34% of plot area will be provided for the development of green belt. Area allotted for green belt is 86,723.5 sq.mtr.

CRZ Classification and the project site

The site is falls in CRZ-IA (existing Archeological & Heritage site) and CRZ-II areas. The total cost of the project is Rs.171 crores.

DCZMA's recommendation

The DCZMA for Thoothukudi district has recommended the proposal to SCZMA in the 75th meeting held on 27.05.2022, with the following conditions.

1. All the provisions of the Coastal Regulation Zone Notification, 2011 shall be adhered with

2. The project proponent shall undertake the establishment only after getting the required Clearances from competent authorities such as Environmental Clearance, Planning Permission, Plan Approval, etc., including the clearance under the Coastal Regulation Zone Notification, 2011 and other statutory clearances.
3. The Project proponent shall not draw any ground water in Coastal Regulation Zone Area, under any circumstance.
4. The project proponent shall demarcate dedicated area for Green Belt Development and evolve an action Plan for utilizing the treated sewage effluent efficiently for irrigation purposes, so as to ensure no effluent confluences in the Marine Coastal Area.
5. The Project proponent shall remit the Taxes payable to the Thiruchendur Municipality such as Vacant. Land Tax Property Tax, as and when such demands are made.

Further, the Project Proponent has submitted the replies for the above conditions, vide letter dated 27.06.2022.

Provisions in the CRZ Notification, 2011

- Para 8 (i) II CRZ-II (i), building shall be permitted only on the landward side of the existing road or on the landward side of the existing building.
- Para 8 (i) II CRZ-II (ii) Buildings permitted on the landward side of the existing and proposed roads or **existing authorized structures** shall be subject to the existing local town and country planning regulations including the '**existing**' norms of Floor Space Index or Floor Area Ratio: Provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road:
- Para 8 (i) II CRZ-II (ii), Reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use.
- Para 8 (i) I CRZ-I (i) (c), facilities that are essential for activities permissible under CRZ-I.
- Para 4 (ii) (i), Demolition and reconstruction of (a) buildings of archaeological and historical importance, (b) heritage buildings; and buildings under public use which means buildings such as for the purposes of worship, education, medical care and cultural activities, are permissible and shall require clearance from MoEF & CC, GoI, after being recommended by the SCZMA.

Remarks of the Technical Expert Committee

The Disaster Management Plan and Risk Assessment report to be updated taking into the consideration the fire risk, Tsunami & Earthquake aspects. The earlier study done by the Indomar may be included / mentioned in the EIA. The emergency evacuation provision during festival / large gathering has to be provided.

The proposal is placed before the Authority for taking suitable decision.

AGENDA ITEM NO.04: Construction of "Chennai Metro Rail Phase-II (Corridor 3 Madhavaram Milk Colony to SIPCOT) at Chennai district by Chennai Metro Rail Limited

M/s. Chennai Metro Rail Limited, Chennai has proposed to Construction of "Chennai Metro Rail Phase-II (Corridor 3 Madhavaram Milk Colony to SIPCOT) at Chennai district.

Project Description

1. This proposed project is construction of Metro Rail Network- Corridor 3 (Madhavaram to SIPCOT) having total length of the corridor as 45.813 km comprising 30 underground stations and 20 elevated stations in Chennai as part of convenience system.
2. In the above project proposal, the underground metro tunnel has length of 1219.86 m and the station area (two numbers of station and one emergency evacuation shaft) having 1242.19 Sq.m falls in CRZ Area.
3. The project components partly fall under CRZ areas such as CRZ - IB, CRZ-II, and CRZ-IVB.
4. Proposed Metro Rail Phase -II (Corridor - 3) at Chennai District consist of the following CRZ areas ;
 - Location - 1, Thirumayilai, (Buckingham Canal)
 - Location - 2, Emergency Evacuation shaft, (Adyar River)
 - Location - 3, Indira Nagar and Tharamani, (Buckingham Canal).
5. Length of metro rail tunnel crossing water body is:
 - Thirumayilai (Buckingham Canal) - 58.33m
 - Adyar River - 666.03m
 - Indira Nagar(Buckingham Canal) - 495.5mTotal Length= 1219.86m
6. Details activity pertaining to the CRZ classification of the area are as follows:

Sl.No:	Description	CRZ Classification	Length (m)	Total
1	Proposed Metro Rail Tunnel	CRZ- IB	92.17 m	1219.86 m
		CRZ -II	821.09 m	
		CRZ - IV B	306.60 m	
	Total		1219.86 m	

Sl.No	Description	CRZ Classification	Area in Sq.m	Total
2	Proposed Thirumayilai Station Boundary	CRZ - II	523.06 Sq.m	523.06 Sq.m
3	Proposed Thirumayilai Culvert	CRZ - IB	166.38 Sq.m	512.09Sq.m
		CRZ - IV B	345.71 Sq.m	
4	Proposed Emergency EvacuationShaft	CRZ - II	51.00 Sq.m	51Sq.m
5	Proposed Tharamani StationBoundary	CRZ - II	156.04 Sq.m	156.04Sq.m
Total Area in CRZ Zone				1242.19Sq.m

7. **Tunnel alignment** is proposed after the investigation of existing underground utilities as part of pre-planning. Tunneling will be done using Tunnel Boring Machine (TBM). Underground (UG) stations will be built by cut and cover method.
8. Under ground stations are proposed with three levels i.e., Platform level, Concourse level and Ground/Road Level. Ground settlement analysis and monitoring will be carried out during tunneling.
9. **Emergency Evacuation Shaft** is a safety structure for handling emergencies. Shaft comprises of only staircase connecting various levels. Shaft level varies from (-) 31.8 m to (+) 6.88m. Mechanical Ventilation System is proposed for air circulation.
10. **Bridge - Culvert Reconstruction:** Reconstruction of Bridge - Culvert is proposed since foundation / pillars falls in the alignment of rail network (underground tunnel). It is proposed to replace the existing bridge with three cell box culvert on raft foundation. Temporary earth retaining system and diversion of water during construction period is proposed.

CRZ Classification and the Project cost

The project site falls within CRZ - IB, CRZ-II, CRZ-IVB and the estimated cost of the project is Rs.264.91crores.

DCZMA for CMDA areas

The subject was placed before the DCZMA for CMDA areas in the meeting held on 12.04.2022. The DCZMA for CMDA areas has instructed the project proponent to furnish the details of the GPS location for the disposal of the Excavated soil. Location has been provided in order of District Collector, Chengalpattu vide letter No:ந.க.எண்.10656/கனிமடம்/2021, dated 07.12.2021 for the disposal of excavated soil into abandoned quarries but GPS readings were not mentioned.

Recommendations of the DCZMA

The DCZMA for CMDA areas in the meeting held on 12.04.2022 has resolved to recommend the above project to the Tamil Nadu State Coastal Zone Management Authority subject to the following conditions;

- 1) The project proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
- 2) No permanent labor camp, machinery, and material storage shall be allowed in the CRZ area.
- 3) The proponent shall not dispose the untreated/treated waste water into the CRZ area.
- 4) All the solid waste shall be handled as per the Solid waste Management Rules 2016.
- 5) Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011 on the landward side of the existing road.
- 6) The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018.
- 7) Any Hazardous waste generated during construction/operation phase shall be disposed off as per applicable rules and norms with necessary approvals of the TNPCB.
- 8) The excavated soil shall be disposed then and there into the approved area vide letter No:ந.க.எண்.10656/கனிமடம்/2021, dated 07.12.2021 of District Collector, Chengalpattu District. GPS locations to be provided.

- 9) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before the project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines./rules of the regulatory authority to avoid mercury contamination . Use of solar panels may be done to the extent possible.
- 10) No construction activity shall be started / undertaken by the proponent until obtaining the CRZ clearance from the competent authority.
- 11) No ground water from Coastal regulation zone area shall be tapped for the project.
- 12) Oil spills if any shall be properly collected and disposed as per the Rules.
- 13) The proponent shall furnish the site plan with the details of area earmarked for the solid waste disposal and storage of fresh water for consumption.
- 14) The proponent shall furnish the detailed proposal for handling of solid wastes.
- 15) All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/Tamil Nadu Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies.
- 16) The proponent shall comply with the Environmental Management Plan during construction and operational phases.
- 17) Necessary green belt of native species shall be developed along the project area to improve the air environment as per the site plan submitted and also shall contribute to Tamil Nadu Green Climate Company towards Green Tamil Nadu Mission in order to enhance the forest and tree cover in the state
- 18) The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Plan Approval including the clearance under CRZ Notification, 2011 and other statutory clearances.
- 19) The length, width and depth of the tunnel crossing CRZ area has to be mentioned.

Compliance of the DCZMA's conditions

The Project Proponent has submitted the compliance on the above conditions including the GPS location of disposed excavated soil and length, width, depth of the tunnel crossing the CRZ area etc., vide their letter dated 23.06.2022

Provisions in the CRZ Notification, 2011

The proposed activity i.e. Metro Rail Network- Corridor 3 (Madhavaram to SIPCOT) is permitted in the CRZ - IB, CRZ-II, CRZ-IVB Zone as per CRZ Notification, 2011,

- *vide Para 8 (i)I CRZ-IB, of the said notification such as; I (i) (b) pipelines, conveying systems including transmission lines;*
- *Para 8 (i) II CRZ-II, - (i) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures;*
- *Para 8 II CRZ-II, (ii) buildings permitted on the landward side of the existing roads or existing authorized structures shall be subject to the existing local town and country planning regulations including the 'existing' norms of Floor Space Index or Floor Area Ratio: Provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road:*
- *Para 3(iv)(a) - required for setting up, construction or modernisation or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sealink, road on stilts.*
- *Further, the tunnel of the proposed project is crossing below the bed level of Buckingham Canal at two places and Adyar River as the tunnels are laid 18 meters below the Buckingham canal (crossing the canal) as on an average. Hence, the proposal needs clearance from the Ministry of Environment, Forest and Climate Change, Government of India.*

Remarks of the Technical Expert Committee

- The structure should not disturb the water flow of B'Canal.
- Green belt especially around the Canal should be ensured for stability of the canal boundary.
- The Project Proponent to justify or to clarify the position of the Metro Rail Station around viz-a-viz high flood level during flood.
- The Project Proponent should justify measures taken to maintain the stabilities of B'Canal whenever the alignment is close / along the B'Canal.

The proposal is placed before the Authority for taking suitable decision.

AGENDA ITEM NO.05: Construction of Gasifier Crematorium at SF No.1085/2 (pt), Anjugramam Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Officer, Anjugramam First Grade Town Panchayat, Anjugramam, Kanyakumari district

The Executive Officer, Anjugramam Town Panchayat, Anjugramam has proposed for the Construction of Gasifier Crematorium at SF No.1085/2 (pt), Anjugramam Village, Agastheeswaram Taluk, Kanyakumari district

Need of the project

At present corpses are burnt by the conventional method of using wood pieces and cow dung cakes. This method takes considerable time and effort it is expensive and also affects the environment it involves huge costs. Hence there is need to modernize crematoria in the Anjugramam Town Panchayat.

Project details

The project proponent has proposed to construct a gasifier crematorium at Anjugramam Village, Agastheeswaram Taluk, Kanyakumari district. The Gasifier technology is a unique non-conventional energy system wherein wood chips are converted into combustible gas by thermo chemical actions. The Gasifier operation is simple and can be operated by unskilled workings which would reduce consumption of timber and time.

The total land area of the coverage will be 320 sq.m. and the proposed crematorium building consist viz., Modern Gasifier Crematorium building, Toilet Room, Parking Shed, Septic Tank, PCC road for 100m length.

CRZ classification & total cost of the project

The CRZ classification of the area is CRZ-II and the total cost of the project is Rs.1.50 crores.

Water supply

The source of water for the completion of work will be taken from outside of Anjugramam Town Panchayat.

Waste Management

The wastewater will be treated, disinfected and reused for gardening within premises. Secondary containment will be provided in fuel, oil and other material storage areas.

Green belt development

The Project Proponent stated that formation of a greenbelt around the area will be provided for planting of 500 saplings.

DCZMA recommendation

The DCZMA for Kanyakumari district has recommended the project to SCZMA in the meeting held on 13.04.2022 and mentioned that the Assistant Director, Town Panchayat, Nagercoil has stated the location of proposed project site is falling on the landward side of the existing road.

Provision in the CRZ Notification, 2011

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

Remarks of the Technical Expert Committee

The Project Proponent should justify the existing road availability mentioned by the Asst. Director of Town Panchayat, which was not marked in the HTL Demarcation map.

The proposal is placed before the Authority for taking suitable decision.

AGENDA ITEM No.06: Proposed Establishment of Diesel Bunk at SF No. 13/2, (No.5 ECR Road), Block 3, Ward K, Colachel B Village, KalkulamTaluk, Kanyakumari district by Thiru S. Antony Raj, Proprietor, Colachel, Kanyakumari district

Thiru S. Antony Raj, Colachel, Kanyakumari district has proposed to establish a Diesel Bunk for fishing boats at SF No. 13/2, (No.5 ECR Road), Block 3, Ward K, Colachel B Village, KalkulamTaluk, Kanyakumari district.

Project description

The total available land area of the project is 334.28 sq.mtr and the total built up area of the proposed construction is 3.48 sq.mtr.

Project location

The project is located at SF No. 13/2, (No.5 ECR Road), Block 3, Ward K, Colachel B Village, KalkulamTaluk, Kanyakumari district. The geo coordinates of the project location is 8°10'28.5"N, 77°15'14.7"E.

Project components

The main component of the project is installation of underground tanks (50 KL & 40 KL) to store High Speed Diesel (HSD) and a pump to distribute diesel for the proponents fishing boats. The Petroleum & Explosives Safety Organization (PESO), Ministry of Commerce and Industry, Chennai has approved the site for installation, vide Approval No.A/P/SC/TN/14/9521 (P463230), dated 26.12.2019.

CRZ Classification and Project cost

The entire site (334.28 sq.mtr) is falling in CRZ-II and the proposed cost of the project is Rs.39.23 lakhs.

Green belt development

The project involves 50.14 sq.mtr of green belt area. Adequate numbers of native tree species will be planted all along the boundaries of the site.

Water and power requirement

The water requirement during operation phase is estimated to be 100 ltr. per day and it will be met from the Colachel Municipal Supply. The power required for the entire operation of the fuel station will be met by TANGEDCO source. The standalone DG Set will be provided in case of power failure.

DCZMA recommendation

The DCZMA for Kanyakumari district has recommended the project to SCZMA in the 92nd meeting held on 13.04.2022

Provision in the CRZ Notification, 2011

As per CRZ Notification 2011, vide Para 8 II CRZ-II (iv) facilities for the receipt and storage of petroleum products shall be allowed in CRZ-II areas and as per the Para 4(i)(d) of the said Notification, the proposal may be recommended to the concerned local planning Authority.

Remarks of the Technical Expert Committee

The Committee decided to place the proposal before the Authority

The subject is placed before the Authority for taking suitable decision.

AGENDA ITEM No. 07: Any other subject with the permission of the Chair.

Sd./- xxxx
Thiru Deepak S. Bilgi, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment &
Climate Change,
Chennai - 15.

**MINUTES OF THE 117th MEETING OF THE TAMIL NADU STATE COASTAL ZONE
MANAGEMENT AUTHORITY (TNSCZMA) HELD ON 20.07.2022**

The Chairperson welcomed the members of SCZMA, for the 117th meeting of the SCZMA.

Agenda Item No.01: Confirmation of the minutes of the 116th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 20.06.2022

The minutes of the 116th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 20.06.2022 was communicated to the Members of the Authority in letter No. P1/1950/2021 dated 08.07.2022 of the Director of Environment & Climate change, were confirmed.

Agenda Item No.02: The action taken on the decisions of 116th meeting of the Authority held on 20.06.2022

The Member Secretary briefed the Members about the action being taken by the Department of Environment on the decisions taken during the 116th meeting held on 20.06.2022, which was noted by the members.

Agenda Item No. 03: Proposed construction of additional amenities Building in Arulmigu Subramania Swamy Thirukovil in S.No.147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B, 201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489, 180, 181, 182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1, 135/1C39, 454/2, 455/2, 456/2, of Tiruchendur Village, Tiruchendur Taluk, Thoothukudi district by the Executive Officer, Arulmigu Subramaniya Swamy Thirukoil, Tiruchendur, Thoothukudi district.

Project Cost: Rs.171 crores

The SCZMA has examined the recommendation of the DCZMA of Thoothukudi district, received vide letter No. DEE/TTN/Tech-40/CRZ/75/2022, dated 30.05.2022 and replies submitted by the Project Proponent w.r. to the conditions imposed by the DCZMA.

Provisions in the CRZ Notification, 2011

- Para 8 (i) II CRZ-II (i), building shall be permitted only on the landward side of the existing road or on the landward side of the existing building.
- Para 8 (i) II CRZ-II (ii) Buildings permitted on the landward side of the existing and proposed roads or **existing authorized structures** shall be subject to the existing local town and country planning regulations including the '**existing**' norms of Floor Space Index or Floor Area Ratio: Provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road:
- Para 8 (i) II CRZ-II (ii), Reconstruction of authorized building to be permitted subject with the existing Floor Space Index or Floor Area Ratio Norms and without change in present use.
- Para 8 (i) I CRZ-I (i) (c), facilities that are essential for activities permissible under CRZ-I.
- Para 4 (ii) (i), Demolition and reconstruction of (a) buildings of archaeological and historical importance, (b) heritage buildings and buildings under public use which means building such as for the purposes of worship, education, medical care and cultural activities, are permissible and shall require clearance from MoEF & CC, GoI, after being recommended by the SCZMA.

Hence, the Authority decided to recommend the entire project activities to MoEF & CC, GoI, with the following conditions.

- Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and Para 8 (i) II CRZ II (i) & (ii) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
- As the proposed built up area is to be increased from the existing area, the Project Proponent should increase the green cover area.
- There should not be any ground water extraction in CRZ.
- Soft erosion control structures viz., bio shield may be proposed for controlling the future erosions.
- After completion of the work, the groundwater quality monitoring should be done, periodically.

.3.

- To reduce the solid waste the Project Proponent may be installed biomethanation plant.
- Paver block should be installed in the parking area for harvesting the rainwater.
- Maximum energy should be met out from the Solar Panels.
- The Disaster Management Plan and Risk Assessment report to be updated taking into the consideration the fire risk, Tsunami & Earthquake aspects.
- The emergency evacuation provision during festival / large gathering has to be provided in the Disaster Management Plan.
- The conditions laid by the DCZMAs should be followed.

Agenda Item No. 04: Construction of "Chennai Metro Rail Phase-II (Corridor 3 Madhavaram Milk Colony to SIPCOT) at Chennai district by Chennai Metro Rail Limited

Project Cost: Rs.264.91crores

The SCZMA has examined the recommendation of the DCZMA of Chennai district, received vide letter No. CRZ/DEE/TNPCB/CHN/DCZMA/MOM/2022, dated 29.04.2022 and replies submitted by the Project Proponent w.r. to the conditions imposed by the DCZMA.

Provisions in the CRZ Notification, 2011

The proposed activity i.e. Metro Rail Network- Corridor 3 (Madhavaram to SIPCOT) is permitted in the CRZ - IB, CRZ-II, CRZ-IVB Zone as per CRZ Notification, 2011,

- *vide Para 8 (i)I CRZ-IB, of the said notification such as: I (i) (b) pipelines, conveying systems including transmission lines;*
- *Para 8 (i) II CRZ-II, - (i) buildings shall be permitted only on the landward side of the existing road, or on the landward side of existing authorized structures;*
- *Para 8 II CRZ-II, (ii) buildings permitted on the landward side of the existing roads or existing authorized structures shall be subject to the existing local town and country planning regulations including the 'existing' norms of Floor Space Index or Floor Area Ratio: Provided that no permission for construction of buildings shall be given on landward side of any new roads which are constructed on the seaward side of an existing road:*

.4.

- *Para 3(iv) (a) - required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sea link and road on stilts.*
- *Further, the tunnel of the proposed project is crossing below the bed level of Buckingham Canal at two places and Adyar River as the tunnels are laid 18 meters below the Buckingham canal (crossing the canal) as on an average. Hence, the proposal needs clearance from the Ministry of Environment, Forest and Climate Change, Government of India.*

Hence, the Authority decided to recommend the entire project activities to MoEF & CC, GoI, with the following conditions.

- The structure should not disturb the water flow of B'Canal and also the Adyar River.
- Green belt especially around the Canal should be ensured for stability of the canal boundary.
- The Project Proponent to justify the position of the Metro Rail Station around viz-a-viz high flood level during flood.
- The Project Proponent should justify measures taken to maintain the stabilities of B'Canal whenever the alignment is close / along the B'Canal.
- There should not be any ground water extraction in CRZ.
- The conditions laid by the DCZMAs should be followed.

Agenda Item No.05: Construction of Gasifier Crematorium at SF No.1085/2 (pt), Anjugramam Village, Agastheeswaram Taluk, Kanyakumari district by the Executive Officer, Anjugramam First Grade Town Panchayat, Anjugramam, Kanyakumari district

Project Cost Rs.1.50 crores

The SCZMA has examined the recommendation of the DCZMA of Kanyakumari district, received vide letter No. F.CRZ-09(354, 355, 339, 340)/21, dated 22.04.2022 and the Authority have also scrutinized the document produced by the Project Proponent on the availability of existing road.

Provision in the CRZ Notification, 2011

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

As the proposed activity is less than 20,000 sq.mts built up area, the Authority decided to recommend the proposal to the Planning Authority viz., Department of Town and Country Planning, as per the provisions of the Para 4(i) (d) of the CRZ Notification, 2011, with the following conditions.

- Prior Planning permission should be obtained for the proposed constructions from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and Para 8 (i) II CRZ II (i) & (ii) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
- There should not be any ground water extraction in CRZ areas.
- Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.

Agenda Item No.06

Proposed Establishment of Diesel Bunk at SF No. 13/2, (No.5 ECR Road), Block 3, Ward K, Colachel B Village, Kalkulam Taluk, Kanyakumari district by Thiru S. Antony Raj, Proprietor, Colachel, Kanyakumari district

Project Cost Rs. 39.23 lakhs

The SCZMA has examined the recommendation of the DCZMA of Kanyakumari district, received vide letter No. F. CRZ-09(330, 353, 331, 338, 344)/21, dated 22.04.2022.

Provision in the CRZ Notification, 2011

As per CRZ Notification 2011, vide Para 8 II CRZ-II (iv) facilities for the receipt and storage of petroleum products shall be allowed in CRZ-II areas. As the proposed activity is less than 20,000 sq.mts built up area, the Authority decided to recommend the proposal to the Planning Authority viz., Department of Town and Country Planning, as per the provisions of the Para 4(i)(d) of the CRZ Notification, 2011, with the following conditions.

- There should not be any ground water extraction in CRZ areas.
- Proper arrangements should be made for the disposal of solid wastes generated in the project area.
- Adequate Rain Water Harvesting structures shall be created for water percolation and to harvest the rainwater to the maximum extent possible.
- The safety necessity and other guidelines prescribed by the Oil Industry Safety Directorate in the Ministry of Petroleum and Natural Gas, Petroleum Explosives Safety Organization (PESO) shall be strictly implemented.
- The Designing and construction of petrol bunk shall comply with the prescribed / stipulated standards specifications.
- The Fire Hazard, if any, should be handled as indicated in the proposal and all the equipment and facilities should be established as proposed.

Agenda Item No.07 : **Discussions on Agenda Items No.7, 8, 9 & 10 of TNSCZMA 116th meeting held on 20.06.2022, w.r. to construction of groynes at Kanyakumari districts proposed by WRD**

The District Collector, Kanyakumari district has made a presentation with videos and photographs on the difficulties situation of people on sea erosion and loss of houses/ livelihood and instating the urgent requirement of the proposed construction of groynes at Kovalam, Azhikkal, Enayam and Periyanyakistreet. The Authority observed the urgency need of the groynes and realized the lot of law and order issues. Accordingly, the following decision was made.

.7.

- The Authority recommended the strengthening and repairing of the existing groynes in Kovalam and Periyannayagi Street, to SEIAA. The Project Proponent should accordingly submit suitable proposal to SEIAA, for repairing / strengthening of the existing groynes.
- The Authority suggested adopting hybrid model to incorporate the soft structures for the proposed groynes at Azhikkal and Enayam coast in order to abide to the directions of the Hon'ble NGT (SZ).
- Temporary measures can be taken on priority basis with reference to the Hon'ble NGT (SZ) order and the measure for the permanent solution in the form of hard structures has to be incorporated in the Shoreline Management Plan (SMP).
- Suggestions were made to prepare individual Shoreline Protection Management Plan for East and West coast respectively.

Sd./- xxxx

**Thiru Deepak S. Bilgi, I.F.S.,
Member Secretary, TNSCZMA &
Director, Dept. of Environment &
Climate Change,
Chennai - 15.**

Sd./- xxxx

**Tmt. Supriya Sahu, I.A.S.,
Chairperson, TNSCZMA and
Addl. Chief Secretary to Government,
Environment, Climate Change & Forests Dept.,
Secretariat, Chennai-9.**