

140th MEETING

TAMIL NADU STATE COASTAL ZONE MANAGEMENT AUTHORITY

Date: 10.02.2026 (Tuesday)

Time: 03.00 P.M.

Venue:

**7th Floor, Conference Hall,
Environment, Climate Change &
Forests Department,
Namakkal Kavignar Maaligai,
Secretariat, Chennai - 600 009.**

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**Agenda Item No. 01: Confirmation of the minutes of the 139th meeting of the
Tamil Nadu State Coastal Zone Management Authority
held on 27.01.2026**

The 139th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 27.01.2026 and the minutes will be communicated to the Members of the Authority.

**Agenda Item No.02: The action taken on the decisions of 139th meeting of the
Authority held on 27.01.2026.**

Action will be taken to the concerned proposals, based on the Minutes of the Meeting.

Agenda Item No.3 Proposed construction of Dugong Conservation and Research Establishment (D-CARE) Centre at Sarabendrarajapattinam Village, Pattukkottai Taluk, Thanjavur District by the District Forest Officer, Thanjavur district (Single Window No. SW/273800/2026)

The District Coastal Zone Management Authority, Thanjavur has forwarded a proposal received from the District Forest Officer, Thanjavur district for the proposed construction of Dugong Conservation and Research Establishment (D-CARE) Centre at Sarabendrarajapattinam Village, Pattukkottai Taluk, Thanjavur District. The EIA report and the project information prepared by M/s. Hubert Enviro Care Systems (P) Limited, Chennai having NABET certificate upto 31.03.2027.

Previous consideration:

The proposal was earlier placed before the DCZMA meeting on 04.09.2025, wherein DCZMA recommended the proposal to TNSCZMA. Accordingly, the TNSCZMA recommended the proposal vide letter No. P1/1504/2025 dated 02.12.2025 to the MoEF&CC, GoI. The above proposal was placed before NCZMA 429th EAC meeting held on 23.12.2025 and the committee opined that the structures of the centre are falling within the CRZ -III (NDZ), may be shifted to non NDZ area has been identified and the proposal is accordingly revised as a Dugong Conservation and Research Establishment (D-CARE). The project proponent has submitted a fresh application for the proposed Dugong Conservation and Research Establishment (D-CARE).

Project Description:

M/s. Tamil Nadu Forest Department has been Proposed Dugong Conservation and Research Establishment at Sarabendrarajanpattinam village, Pattukottai Taluk, Thanjavur District, Tamil Nadu. As per Wild life Protection Act 1972 and its amendment 2022, Dugong (Dugong dugon) also called as 'Sea Cow' is one of the four surviving species in the Order Sirenia and it is the only existing species of herbivorous mammal that lives exclusively in the sea including in India.

The Proposed site falls under CRZ III (200 - 500m line from HTL) as per CRZ notification 2011. The proposed project has the following component like Dugong shaped main building, Tunnel Aquarium, 7D Theatre with Digital Immersive Technology, Museum,

children's park, Ancillary building (Toilet block and office), Eco hub, Nutrition Centre, , grand entrance Plaza, Dugong monitoring lab and Sea grass research lab, staff accommodation and services spaces.

The Total land area is 18759.31 Sq.m in which dugong conservation Centre has 3001.6 sq.m (G+1 Floor), Marine Museum (1397.44 Sq.m), Nutrition Centre (605.36 Sq.m), Ancillary building (Toilet block - 78.2 Sq.m and office- 41.29 Sq.m), Ancillary accommodation (41.04 Sq.m), Cloak Room (13.31 Sq.m), Eco hub (41.4 Sq.m), Solar panel (447.31 sq.m), STP (15sq.m), Fire Tank (24.81 sq.m), Field Equipment Store (27.78 Sq.m), Children's outdoor experience and learning Centre (169.63 Sq.m).

A. Land Area details

S. No	Description	Area in sq.m
1	Plot Coverage	4478.86
2	Vacant Land	6005.63
3	Roads /paving	1298.43
4	Greenbelt	6190.57
6	Detention Pond	785.82
Total Area (Ground Coverage) for Dugong Conservation and Research Establishment(D-CARE)		18759.31

B. Built up area details:

S. No	Description	Ground coverage in sq.m	Built up Area in sq.m	CRZ Classification
1	Dugong Building	1500.8	3001.6	CRZ III (200 to 500 m from HTL)
2	Dugong Statue	62.15	62.15	
3	Marine Museum	1397.44	1397.44	
4	Nutrition center	605.36	605.36	
5	Ancillary building			
	Toilet	78.2	78.2	
	Office	41.29	41.29	
6	Staff Accommodation	41.04	41.04	
7	Cloakroom	13.31	13.31	
8	Eco Hub	41.4	41.4	
9	Solar Panels	447.31	447.31	

10	STP	15	15	
11	Fire Tank	24.81	24.81	
12	Field Equipment Store	27.78	27.78	
13	Children's Outdoor Experience and Learning Centre	169.63	169.63	
14	Security	13.34	13.34	
Total		4478.86	5979.66	

Need for Project:

- Dugong conservation plays a crucial role in safeguarding the delicate balance of marine ecosystems and preserving the biodiversity of our oceans.
- As gentle marine giants, dugongs are considered a keystone species, exerting a significant influence on the structure and function of coastal habitats. Their grazing activities help maintain sea grass meadows, which serve as essential nurseries and feeding grounds for numerous marine species, including commercially important fish and shellfish.
- By protecting dugongs and their habitats, we are indirectly preserving the intricate web of life that depends on these ecosystems.
- Furthermore, dugongs have significant cultural and economic value in many coastal communities. They are an important cultural symbol and hold spiritual significance for various indigenous cultures.

Location of the project:

The geo coordinates of the project site is given below

S.No	Latitude (N)	Longitude (E)
1	10° 16' 8.558"	79° 18' 4.299"
2	10° 16' 7.463"	79° 18' 6.375"
3	10° 16' 6.916"	79° 18' 7.627"
4	10° 16' 3.542"	79° 18' 9.715"
5	10° 16' 4.969"	79° 18' 11.297"
6	10° 16' 4.463"	79° 18' 11.523"
7	10° 16' 4.894"	79° 18' 12.553"
8	10° 16' 3.332"	79° 18' 13.068"
9	10° 16' 2.874"	79° 18' 12.643"

10	10° 16' 2.988"	79° 18' 11.224"
11	10° 16' 2.776"	79° 18' 9.99"
12	10° 16' 2.332"	79° 18' 8.846"
13	10° 16' 5.114"	79° 18' 5.435"
14	10° 16' 6.962"	79° 18' 4.045"

Man power requirement

Construction Phase: Temporary: 100 Nos, Permanent: 10 Nos

Operational Phase: Visitors: 3000 Nos, Staffs: 56 Nos

Water requirement:

Construction phase:

The total Water requirement is 20 KLD (Domestic: 3 KLD, Flushing: 2.5 KLD; Construction purpose: 10KLD; Dust suppression: 4.5 KLD). The source of water is through Ground water authorised contractors. No ground water extraction from CRZ areas.

Operational Phase:

The total Water requirement is **78.52 KLD**. Fresh water requirement will be 33.4 KLD. Treated water generated will be 45.12 KLD. The treated water will be used for flushing and greenbelt. The Source of fresh water is through TWAD.

Power requirement

Construction Phase:

- 10 kVA Sourced from TANGEDCO
- 1X125 kVA DG set for power backup

Operation Phase:

Details	Unit	Capacity	Source
Power Requirement	kW	310	TANGEDCO
Back-up	kVA	200	1 Nos. (DG sets)
Diesel	Litres/hr	100	Local supplier

Municipal Solid Waste Management:

Phase	Organic waste (Kg/Day)	Inorganic waste (Kg/Day)	Management measure
Construction Phase	29.7	19.8	

Total	49.5		Municipal waste generated in the premises will be separated, stored and disposed through municipal/ corporation bins on a daily basis
Operation Phase	825.12	550.08	
Total	1375.2		

Waste water generation:

During construction phase, the sewage will be treated in the Temporary septic tanks or a portable toilet with soak pits, managed as per the contractor's approved HSE plan. Water management will comply with the contractor's approved HSE plan, ensuring efficient sourcing and minimal wastage.

During operational phase, 100 KLD capacity of STP will be proposed for the treatment of sewage generation and treated water will be used for gardening. The sludge generated from the STP will be utilized as manure in the Landscape and Green Belt area.

Hazardous waste generation and management:

0.2 TPA of Spent oil from DG set will be collected in leak proof containers and stored in a well designated area for sending to TNPCB authorized recyclers and handlers

Greenbelt Development:

33% (7567.78 Sq.m) of total area is allotted for greenbelt development. Around 382 (Calculation: 1 tree/80 Sq.m considering 80% survival) Local native species will be planted within the dugong conservation Centre.

Recommendation of DCZMA, Thanjavur district:

The DCZMA meeting of Thanjavur district held on 13.01.2026 and the committee recommended the project to SCZMA with the following conditions

1. The project proponent shall submit approved CZMP map superimposing the proposed construction of D-CARE indicating HTL, LTL, CRZ area from the National Centre Sustainable Coastal Management, (Ministry of Environment, Forest & Climate Change), Chennai.
2. Freshwater requirement shall be sourced from the local authority or authorized private tankers. No extraction of groundwater is permitted in the CRZ area under any circumstances.
3. The Project Proponent shall ensure that the project does not disturb the existing terrestrial or marine flora and fauna in the area.

4. The Project Proponent shall provide full fledged sewage treatment plant of adequate capacity to treat the sewage the generated and shall ensure the treated water shall be reused for green belt development and toilet flushing.
5. The Project Proponent shall comply with the provisions of Solid Waste Management Rules, 2016 as amended, Construction and Demolition Waste Management rules, 2018.

The Project Proponent has submitted the replies to the above conditions vide letter dated 29.01.2026.

CRZ Classification and total cost of the project:

The project site falls in CRZ III (200 to 500m) area and the total cost of the project is 34.90 Crore.

Provisions of CRZ Notification, 2011:

During the meeting of the 429th meeting Expert Appraisal Committee (EAC) of MoEF & CC, GoI held on 23.12.2025, the EAC has suggested that efforts shall also be made to shift the structure in Non-NDZ areas. Hence, the PP has identified the land in 200-500m from HTL and submitted a fresh proposal for construction of Dugong Conservation Centre.

The provisions of the CRZ Notification, 2011 is as follows.

Sl. No	Proposed Component	CRZ Classification	Permissible activities as per CRZ notification 2011
1	Dugong conservation Centre, Dugong statue, Marine Museum, Nutrition Centre, Ancillary building Toilet block and office, Ancillary accommodation, Cloak Room, Eco hub, Solar panel, STP, Fire Tank, Field Equipment Store, Children's outdoor experience and learning Centre.	CRZ III (200 to 500 m)	Para 8 III CRZ III B (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
As the proposed construction activity is less than 20,000 sq.mtr. built up area, the proposal may be recommended to Local Planning Authority (DTCP) as per Para 2 (ii) 2 of Office Memorandum dated 26.04.2022.			

Remarks of the Technical Expert Committee: (Meeting held on 30.01.2026)

The Project Proponent (PP) presented the proposal for the construction of the Dugong Conservation and Research Establishment (D-CARE). The PP submitted that the proposal was earlier placed before the 429th Meeting of the Expert Appraisal Committee (EAC) of the MoEF&CC held on 23.12.2025. The EAC had opined that the structures proposed within the CRZ-III (NDZ) must be shifted to the non-NDZ area. Accordingly, the PP has revised the layout. The proposed structures have been relocated to the CRZ-III (200m to 500m) area, complying with the CRZ Notification, 2011. The project involves a land extent of 18,755 Sq.m with a total built-up area of 5979.66 Sq.m.

Observations & Specific Conditions of the TEC

After detailed deliberations, the TEC recorded the following observations and specific conditions to ensure compliance with the CRZ Notification, 2011:

1. Water Security & Management:

- i. The extraction of groundwater within the CRZ area is strictly prohibited.
- ii. The PP shall submit details of the freshwater source along with documentary proof (from the local body/authorized agency) confirming the availability, assured quantity, and sustainable supply during both construction and operation phases.
- iii. No sewage, greywater, or effluent shall be discharged into the sea, CRZ areas, or any adjacent water bodies. A comprehensive treatment system must be installed, and treated water shall be reused for landscaping within the premises.

2. Ecological Safeguards (Specific to D-CARE):

- i. As the project is a Dugong Conservation Centre, the PP shall ensure that the construction activities do not disturb the adjacent marine ecosystem, particularly the Seagrass beds, which are critical feeding grounds for Dugongs.
- ii. The PP shall ensure that the project does not disturb the existing terrestrial flora and fauna in the area.

3. Waste Management:

- i. All solid waste generated shall be managed strictly as per the Solid Waste Management Rules, 2016 (as amended). Proper segregation, storage, and disposal mechanisms through authorized agencies must be in place.

4. Energy & Sustainability:

- i. Rooftop solar photovoltaic panels shall be installed to the maximum extent possible to meet the energy requirements of the Research Establishment.
- ii. A scientifically designed rainwater harvesting system shall be implemented to conserve water and improve groundwater recharge.

5. Greenbelt Development:

- i. A greenbelt comprising exclusively of indigenous and salt-tolerant coastal species shall be developed along the periphery of the project site to act as a bio-shield.

6. Institutional Commitment:

- i. As a commitment to coastal conservation, the Proponent shall contribute to the Tamil Nadu Marine Resource Foundation (TNMRF). This contribution shall be included in the Environment Management Plan (EMP) cost, and details of the fund allocation must be submitted to the Authority.

With the above observations and specific conditions, the TEC recommends the proposal for consideration by the Authority.

Agenda Item No 4 Proposed Development of Nandavanam Heritage Park at Survey No 94/1B and 350, Tiruvidanthai Village, Thiruporur Taluk, Chengalpattu District under Special Assistance to States for Capital Investment (SASCI) Scheme by the General Manager, Tamil Nadu Tourism Development Corporation, Chennai (Single Window No. SW/271086/2026)

The District Coastal Zone Management Authority, Chengalpattu has forwarded a proposal received from the General Manager, Tamil Nadu Tourism Development Corporation, Chennai for the Proposed Development of Nandavanam Heritage Park at Survey No 94/1B and 350, Tiruvidanthai Village, Thiruporur Taluk, Chengalpattu District under Special Assistance to States for Capital Investment (SASCI) Scheme. The EIA report prepared by M/s. ABC Techno Labs India Pvt Ltd, Chennai having NABET certificate valid upto 16.11.2026.

Previous consideration of the proposal:

The proposal was earlier placed before the DCZMA meeting on 13.11.2024, wherein DCZMA recommended the proposal to TNSCZMA. Accordingly, the TNSCZMA recommended the proposal vide letter No. P1/1805/2024 dated 14.11.2024 to the Local Planning Authority of Chengalpattu district as per the provisions of Para No 5 of Office Memorandum dated: 26.04.2022 issued by MoEF&CC, GoI.

The Mamallapuram Local Planning Authority, Chengalpattu district has issued CRZ Clearance for the entire land area of about 218.54 acres stretching over 3 km in length, vide Rec. No: 5280/2024/MLPA(CD-5), dated 16.12.2024.

However, Tamil Nadu Tourism Development Corporation, Chennai has dropped the above proposal and the project proponent submitted fresh application to DCZMA dated:30.09.2025 for the proposed development of Nandavanam Heritage park at survey No. 94/1B and 350 Thiruvudanthai Villlage, Thiruporur Taluk, Chengalpattu district under Assistance to States for capital Investment scheme with the project site falls in CRZ III NDZ and CRZ III (200 to 500 m). The subject was placed before DCZMA dated: 29.10.2025 and the DCZMA defer the project and requested to submit the applicability of CRZ Notification 2011 on the proposed activity with justification.

Now the project proponent vide letter dated: 23.01.2026 has stated that the previous application dated 30.09.2025 is withdrawn and has submitted fresh application dated 23.01.2026 seeking CRZ Clearance for the proposed formation of Nandavanam Heritage Eco Park at Survey No 94/1B and 350, Thiruvидanthai Villlage, Thiruporur Taluk, Chengalpattu district with no activities proposed in the CRZ III NDZ and CRZ I B area.

At present, the project is proposed over an extent of 68.35 acres, designated as Nandavanam Heritage Park (Phase I). This report specifically covers the details pertaining to Phase I of the proposed project.

Project Description:

The Hindu Religious & Charitable Endowments Department (HRCE) of Tamil Nadu (landowner of the subject property) in association with the Department of Tourism intends to develop a 'NANDAVANAM - Heritage Park, Mamallapuram', in vision with the State's broader objective of promoting world class experiential tourism through sustainable measures highlighting the deep-rooted culture and heritage components Greater Tamil Nadu region. The G.O. from GOI, Ministry of tourism bearing File no. SD-8/2/2024-SD-Part (2), dated: 13.12.2024 for Development of "Nandavanam Heritage Park", Mamallapuram area of Chengalpattu district under Special Assistance to States for Capital Investment (SASCI) Scheme.

The proposed project is development of Nandavanam Heritage Park at Survey number 94/1B and 350 Thiruvидanthai Village, Thiruporur Taluk, Chengalpattu district. the total area of 218.54 acres, where 68.35 acres is developed at present as phase I and remaining land will be developed for as Phase II as future plan. Phase I consists of two main categories, which are i) Maidanam and, ii) Cholai vanam along with utilities and other amenities to facilitate the project.

A. Land area break up details:

The total area is 218.54 acres, where 68.35 acres is developed at present as phase I of the proposed project.

B. Break up area details:

Sl. No	Location	Nos.	Area in sq. m.	Area in Acres
Maidanam				
1	Event arena	1	33,317.8	8.233
2	Stage area	1	843.2	0.208

3	CCTV Surveillance & Control Room/Admin block	1	411.9	0.102
4	Mobile Toilet	1	105.1	0.026
5	Light and sound park/Open Area (PPP)	1	5,558.7	1.374
6	Glow park/Open Area (PPP)	1	4,433.3	1.095
7	Beach volleyball Court	2	1,338.1	0.331
8	ATV Zone/Open Area (PPP)	1	3,258.4	0.805
9	Throwball Court	2	1,442.2	0.356
10	Skating Rink	1	1,232.3	0.305
Sub Total I			51,941.0	12.834
Cholai Vanam				
11	Folk Deities Garden - 1	2	2,417.2	0.597
12	Folk Deities Garden - 2	2	2,426.4	0.6
13	Kid's Play Area	1	2,113.2	0.522
14	Mobile Food Kiosk	5	6,118.1	1.512
15	Pillar park	1	4,536.9	1.121
16	Lotus pond	3	942.5	0.233
17	Miniature Structures Park 1	1	2,439.5	0.603
18	Miniature Structures Park 2	1	3,157.6	0.780
19	Sculpture Park	1	4,536.9	1.121
20	Mural Park	1	1,645.1	0.407
21	Mobile Toilet	2	210.2	0.052
22	Rural life Garden	2	3,091.6	0.764
23	Music garden	1	1,500.0	0.371
24	Theatre zone	1	713.7	0.176
25	Art Garden	1	1,830.4	0.452
26	Parking 2	1	7,939.6	1.962
27	Mobile Ticket Kiosk 1	1	40.0	0.010
28	Mobile Ticket Kiosk 2	1	40.6	0.010
Sub Total II			45,699.3	11.292
Others				
29	Parking - 1	1	10,710.6	2.647
30	Food Street	1	573.1	0.142
31	Mobile Toilet	1	105.1	0.026
32	Tourist Facilitation Centre	2	653.7	0.162
33	Tourist Facilitation Centre - Ticket Kiosk	1	471.4	0.116
34	Restaurant	1	600.0	0.148
35	Fencing 1	1	545.9	0.135
36	Fencing 2	1	50.5	0.012
Sub Total III			13,710.2	3.388
Subtotal I + II + III			1,11,350.5	27.514
Area Break-up including circulation and buffer areas				
37	Subtotal I + II + III		1,11,350.5	27.514
38	Greenbelt area	1	9731.8	2.404

39	Road+ Entrance Gate	1	31,758.4	7.847
40	Internal Pathways	2	21,954.9	5.425
41	Circulation and parking in front of Food Street	1	5,652.1	1.397
42	Non developable beach area	1	35,740.7	8.831
43	Landscaped area	1	28,753.6	7.105
44	Open space	1	30,985.5	7.654
45	100 KLD STP	1	159.3	0.039
46	Underground Water Tank (UGT)	1	114.1	0.028
47	Organic Waste Converter (OWC)	1	120.0	0.030
48	11/0.415 kV Transformer	1	102.3	0.025
49	Electrical Substation - Associated Facilities	1	182.7	0.045
50	Booster pump for Irrigation	1	9.0	0.002
Total area (sl.no. 37 to 50)			2,76,614.8	68.351

C. Built-up area for proposed components

Sl. No.	Components	Nos	Built-up area in sq.m.
1.	CCTV Surveillance & Control Room/Admin Block	1	411.9
2	Toilet block at Maidhanam	1	105.1
3	Toilet Block at Cholai Vanam	2	210.2
4	Retail Shop street	1	573.1
5	Stage area	1	843.2
6	Toilet block	4	105.1
7	Entrance pavilion - Ticket Kiosk	1	471.4
8	Restaurant	1	600.0
9	Electrical Substation	1	182.7
Total Built-up area			3202.75

Need of the project:

The Ministry of Tourism's Special Assistance for State Capital Investment (SASCI) scheme offers a unique opportunity to bolster Tamil Nadu's tourism infrastructure and promote sustainable, culturally enriched tourism. Under this scheme, the Tamil Nadu Tourism Department has identified three high-impact projects, to enhance tourism appeal and support local economies. This project serves multiple purposes such as:

- Preservation of Heritage and Culture
- Sustainable Tourism Development
- Economic Growth and Employment
- Community Engagement and Environmental Education

This project under SASCI will not only enhance the tourist experience near Mamallapuram but also strengthen Tamil Nadu's positioning as a leader in heritage and eco-friendly tourism.

Location of the project:

The boundary coordinates of the proposed site is given below

Description	Label	Latitude	Longitude
Project Site Boundary	b1	12° 46' 27.810" N	80° 14' 57.965" E
	b2	12° 46' 25.593" N	80° 15' 6.793" E
	b3	12° 44' 51.663" N	80° 14' 36.036" E
	b4	12° 44' 57.983" N	80° 14' 26.907" E
Proposed Development	b3	12° 44' 51.663" N	80° 14' 36.036" E
	b4	12° 44' 57.983" N	80° 14' 26.907" E
	b5	12° 45' 22.042" N	80° 14' 35.566" E
	b6	12° 45' 19.922" N	80° 14' 43.116" E
Proposed Activities			
Sewage Treatment Plant	a	12° 45' 11.029" N	80° 14' 34.993" E
CCTV Surveillance & Control Room	b	12° 45' 5.064" N	80° 14' 33.845" E
Art Garden	c	12° 45' 12.420" N	80° 14' 40.938" E
ATV Zone/Open area (PPP)	d	12° 44' 55.619" N	80° 14' 35.689" E
Beach Volley ball court	e	12° 44' 55.412" N	80° 14' 33.366" E
Fencing	f	12° 45' 17.427" N	80° 14' 36.145" E
Electrical Substation - Associated Facilities	g	12° 44' 58.527" N	80° 14' 28.265" E
Entry Gate	h	12° 45' 0.841" N	80° 14' 29.842" E
Tourist facilitation centre	i	12° 45' 1.843" N	80° 14' 30.018" E
Event Arena	j	12° 45' 2.892" N	80° 14' 32.563" E
Folk Deities Garden	k	12° 45' 11.344" N	80° 14' 37.440" E
Mobile Food Kiosk	l	12° 45' 8.596" N	80° 14' 40.648" E
Glow Park/ Open area (PPP)	m	12° 44' 57.064" N	80° 14' 32.215" E
Greenbelt	n	12° 45' 6.342" N	80° 14' 32.246" E
Kids Play Area	o	12° 45' 9.991" N	80° 14' 40.545" E
Light and Sound Park/Open area (PPP)	p	12° 44' 58.494" N	80° 14' 30.728" E
Lotus Pond	q	12° 45' 5.388" N	80° 14' 35.260" E
Miniature Heritage Structures Park	r	12° 45' 10.501" N	80° 14' 37.306" E
Mural Garden	s	12° 45' 13.476" N	80° 14' 40.244" E
Music Garden	t	12° 45' 14.828" N	80° 14' 41.789" E
Parking	u	12° 45' 3.070" N	80° 14' 31.113" E
Pillar Park	v	12° 45' 15.474" N	80° 14' 40.047" E

Restaurant	w	12° 45' 15.938" N	80° 14' 35.206" E
Road	x	12° 45' 17.930"N	80° 14' 41.165" E
Rural Life Garden	y	12° 45' 11.565" N	80° 14' 38.771" E
Sculpture Garden	z	12° 45' 4.941" N	80° 14' 38.317" E
Food Street	aa	12° 45' 11.577" N	80° 14' 33.522" E
Open area (PPP)	ab	12° 44' 56.692" N	80° 14' 32.682" E
Open area	ac	12° 45' 18.465" N	80° 14' 37.957" E
Theatre Garden	ad	12° 45' 15.773" N	80° 14' 42.027" E
Throw ball Court	ae	12° 44' 56.730" N	80° 14' 34.578" E
Mobile Ticket Kiosk	ad	12° 45' 17.281" N	80° 14' 38.560" E
Mobile Toilet	ag	12° 45' 6.589" N	80° 14' 30.969" E
UGT	ah	12° 44' 58.794" N	80° 14' 27.584" E
OWC	ai	12° 44' 57.909" N	80° 14' 27.484" E
11/0.415KV Transformer	aj	12° 45' 10.194" N	80° 14' 34.574" E

CRZ Zone classification:

Description	CRZ - Classification	Area in sq.m.	Total area in Acres
	CRZ - IB	3335.97	218.54
Project site boundary	CRZ - III (No Development Zone)	472019.24	
	CRZ - III (200 to 500m from HTL)	396607.39	
Proposed Development Area Boundary	CRZ - IB	3335.97	68.35
	CRZ - III (No Development Zone)	143383.36	
	CRZ - III (200 to 500m from HTL)	129895.58	

CRZ Classification for the proposed Activities:

S. No	Proposed Project Activities	Area in Sq.m	
		CRZ III -No Development Zone	CRZ III -200 to 500 m from HTL
1	Sewage Treatment plant	-	159.30
2	CCTV Surveillance & Control Room	-	411.90
3	Art Garden	1830.40	-
4	ATV Zone/Open area (PPP)	3258.42	-
5	Beach Volleyball court	1442.22	-
6	Fencing	95.23	501.17

7	Electrical Substation - Associated Facilities	-	181.68
8	Entry Gate	-	653.66
9	Tourist facilitation centre	-	470.38
10	Event Arena	19300.13	14860.77
11	Folk Deities Garden	87.09	4756.51
12	Mobile Food Kiosk	4893.17	1224.88
13	Glow Park/Open area (PPP)	-	4433.26
14	Green Belt		9731.80
15	Kids Play Area	2113.21	
16	Light and Sound Park/Open area (PPP)	-	5558.74
17	Lotus Pond	628.32	314.16
18	Miniature Heritage Structures Park	1899.19	3697.91
19	Mural Garden	1645.11	-
20	Music Garden	1500.00	-
21	Parking	3661.51	20640.82
22	Pillar Park	2218.68	2318.24
23	Restaurant	-	600
24	Road	4400.75	27357.65
25	Rural Life Garden	1138.47	1953.10
26	Sculpture Garden	4536.92	-
27	Food street	-	573.08
28	Open area (PPP)	360.13	872.17
29	Open area	-	10.30
30	Theatre Garden	713.65	-
31	Throw ball court	1338.08	-
32	Mobile Ticket Kiosk	-	80.60
33	Mobile toilet	-	420.40
34	UGT	-	114.10
35	OWC	-	120
36	11/0.415 KV Transformer	-	102.30

Land Requirement:

The land spanning an area of 218.54 acres opposite to the iconic Nithya Kalyana Peruamal Temple. The land is under the ownership of Hindu Religious & Charitable Endowments Department (HR&CE) which are under the state Government of Tamil Nadu. For the current proposal, 68.35 acres of land is considered for the Nandavanam Heritage Park (Phase I) and remaining 139.38 acres in HR&CE land is reserved for future development under Phase II. There are three (3) pieces of land which are Burial Grounds admeasuring the total area of about 10.809 acres which will not be disturbed during the project development. The survey nos fall in the proposed area are 94/1B and 350 Thiruvidanthai Village. The land obtained from HR&CE for the proposed project bearing vide Letter No. 5936/T.Ind/2024, dated 4.10.2024.

Manpower requirement:

The total manpower requirement during the construction phase of the project including workmen, Labours, Supervisors, Engineers, Architects and Managers is expected to be about 100 person per day. Post construction, the No of staffs & visitors would be about 300 & 5700 persons per day respectively.

Water requirement:

It is proposed to use 4.5 KLD of water during construction phase and 99 KLD during operation phase. The total water requirement during operation phase is 99 KLD which is sourced from Chennai Metropolitan Water Supply and Sewage Board (CMWSSB) and the request letter has been submitted to the board.

Sewage generation:

The sewage generation from the proposed project will be estimated about 93.83 KLD, which will be treated in STP with 100 KLD capacity, and the treated water of 15.25 KLD will be reused for lawns and greenbelt and the remaining treated water 64.5 KLD will be reutilised for flushing. Hence, 34.5 KLD of regular fresh water is required, this will be met through CMWSSB.

Solid Waste Disposal Detail:

Sl. No.	Type	Disposal method
Construction phase		
1	Organic	Municipal bin
2	Inorganic	TNPCB authorised recyclers
Operation phase		
1	Organic	OWC (1000 kg capacity)
2	Inorganic	Collected & Disposed through Tiruporur Village Panchayat on the regular basis

Power requirement:

The power for the proposed project is availed from the nearest 11 kV OHT lines from TANGEDCO. The estimated power demand of 560 kVA for phase- 1. For emergency purposes, 1 no. of DG set with 400 kVA capacity will be used which will be provided with individual stack along with inbuilt acoustic measures as per the CPCB/TNPCB requirements. Solar street lights in the pathway, parks and other areas are to be proposed as a conservation for power generation.

Greenbelt area:

The Greenbelt area covering 9731.8 Sq.m (3.52 %) area and Landscape areas covering 28,753.6 sq.m. (10.39 %) will be provided in the project site. The total area for greenbelt including landscape covers 38,485.4 sq. m. (13.9 %) from the total land area 68.35 acres

Parking Facility:

Two parking zones are located on either end of the development, to cater to the visitor and employee traffic with total Parking area of 18,650.2 sq,m (4.609 acres).

CRZ Classification and total cost of the project:

The project site falls at CRZ IB, CRZ III NDZ and CRZ III (200 to 500 m) and the total cost of the project is 99.67 Crore.

Recommendation of DCZMA, Chengalpattu district:

The subject was placed before the DCZMA, Chengalpattu dated 24.01.2026. During the meeting following points were discussed

1. Project Proponent has officially provided the undertaking state that the Grey Water Treatment Plant, Hotel and Resort will be replaced into the STP, Restaurant and food Street. The revised CRZ map/report/addendum letter from the Director, Institute of Remote Sensing, Anna University will be provided on or before the CRZ clearance from the competent authority. DCZMA instructed the Project proponent to submit the above detail to the SCZMA authority.
2. Members of the DCZMA discussed regarding the access to the Burial ground abutting to the project site. The Project proponent replied that the burial ground is already excluded from the project boundary and also, they have officially provided the undertaking for not disturbing the burial ground during construction as well as operation stages in the project work.
3. Forest Range officer, Thiruporur as verbally informed during 2023-2024, the turtle hatching was observed 500m away from the project location. The Project Proponent has replied with the turtle Management plan stated that no turtle nesting is presently available/recorded on the CRZ map or CZMO map prepared by authority. During the baseline and field visit no turtle movement or nesting is presented on the project site premises.
4. The project proponent has informed that the project activity will not affect

the fishing activity near the project premises. Also stated that no boat was parked on the shoreline of the project boundary.

The DCZMA meeting of Chengalpattu district held on 24.01.2026 and the committee recommended the project to SCZMA subject to the following conditions

- The Project Proponent shall comply with all the provisions of the Coastal Regulation Zone Notification 2011.
- The Project Proponent shall obtain necessary prior clearance for any change in scope of project.
- The project shall provide Sewage Treatment Plant (STP) as proposed for the treatment and disposal of sewage generated within the premises.
- There shall not be any withdrawal of ground water in CRZ area.
- The sewage and sludge should not be let into the sea water.
- The Project Proponent shall manage the Solid waste generated as per the Solid Waste Management Rules, 2016 as proposed for the disposal of biodegradable and non-biodegradable solid wastes generated in the project areas.
- The Project Proponent shall explore the possibilities of increasing the solar energy upto about 15% or more from the present level.

The Project Proponent has submitted the replies to the above conditions.

Provisions of CRZ Notification, 2011:

Sl. No	Proposed Component	CRZ Classification	Permissible activities as per CRZ notification 2011
1.	Art Garden, ATV Zone / Open area (PPP), Beach Volleyball court, Fencing, Event Arena, Folk Deities Garden, Mobile Food Kiosk, Kids Play Area, Lotus Pond, Miniature Heritage Structures Park, Mural Garden, Music Garden, Parking, Pillar Park, Road, Rural Life Garden, Sculpture Garden, Open area (PPP), Theatre Garden, Throw ball Court	CRZ -III (NDZ)	Para 8 III CRZ III A.(iii) (a) agriculture, horticulture, gardens, pasture, parks, play field, and forestry;

2.	Sewage Treatment Plant, CCTV Surveillance & Control Room, Fencing, Electrical substation- Associated facilities, Entry Gate, Tourist facilitation centre, Event arena, Folk Deities Garden, Mobile Food Kiosk, Glow Park/Open Area (PPP), Greenbelt, Light and Sound Park / Open area (PPP). Lotus pond, Miniature Heritage Structures Park, Parking, Pillar Park, Restaurant, Road, Rural Life Garden, Food Street, Open Area (PPP), Mobile Ticket Kiosk, Mobile Toilet UGT, OWC, Transformer	CRZ III (200 to 500 m)	Para 8 III CRZ III B (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
- As per the O.M. No. IA No.-12/1/2022-IA.III dated 26.04.2022, which read in "para 4 in case the CZMA desires to consider an activity which is not explicitly mentioned in the notification or not permissible, such a recommendation shall be forwarded with detailed justification to the ministry for consideration. - The proposal may be recommended to MoEF & CC, Govt. of India, for issuing Clearance.			

Remarks of the Technical Expert Committee: (Meeting held on 30.01.2026)

The Project Proponent (PP) stated that the **Nandavanam Heritage Park** is proposed under the SASCI scheme to promote sustainable and culturally enriched tourism along the East Coast Road (ECR). The project aims to support circular economy principles while enhancing tourism infrastructure.

- i. Total Land Extent: 218.54 acres.
- ii. Phase I Development: 68.35 acres.
- iii. Built-up Area: 3,202.75 sq.m.
- iv. CRZ Classification: The project components fall within CRZ-III (NDZ) and CRZ-III (200-500 m) areas.

Observations & Specific Conditions of the TEC

After detailed deliberations, the TEC recorded the following observations and specific conditions to ensure compliance with the CRZ Notification, 2011:

1. Justification for Selection of the Site

- i. The Project Proponent shall submit a detailed justification for the selection of the proposed site within the CRZ III No Development Zone (NDZ) & CRZ III (200 to 500m), along with a comprehensive explanation of the project's benefits to the local inhabitants.

2. Visitor Management & Infrastructure:

- i. The PP shall reassess the carrying capacity and the projected footfall to ensure that the provision of basic amenities (restrooms, drinking water, waste bins) is adequate for peak loads.
- ii. Given the project's location on the high-traffic ECR, the PP shall reassess the vehicular carrying capacity. A detailed Traffic Management Plan must be devised to prevent congestion, especially during festival/holiday seasons.
- iii. The PP shall explore the feasibility of a Multi-Level Car Parking (MLCP) facility to minimize land usage and improve efficiency.
- iv. The design must strictly adhere to "Harmonious Guidelines and Standards for Universal Accessibility in India," ensuring barrier-free access (wheelchair ramps, tactile paths) from the parking zone to all individual components.

3. Water Security & Conservation:

- i. The PP shall obtain a firm commitment/consent letter from CMWSSB ensuring the supply of required freshwater for both construction and operational phases.
- ii. The PP shall implement a sponge-based rainwater harvesting system (bioswales, permeable paving) to capture surface runoff and recharge groundwater effectively.
- iii. The project shall strictly adopt a ZLD system. No treated or untreated sewage shall be discharged into the sea, backwaters, or drainage channels. Treated water must be fully recycled for landscaping and flushing.

4. Ecological Safeguards (NDZ & Lighting):

- i. As parts of the project fall within the NDZ, all pathways and hardscaping shall be constructed using permeable, eco-friendly materials (e.g., grass pavers, natural stone) to maintain soil permeability. Concrete usage should be minimized.
- ii. Artificial outdoor lighting shall be designed to be wildlife-friendly. The PP shall use amber/red spectrum LED lights with cut-off shielding to ensure that the illumination does not disturb nocturnal coastal fauna or spill over onto the beach front.
- iii. The entire premises shall be a strict "Plastic-Free Zone." The PP shall implement enforcement measures and awareness campaigns for tourists.

5. Greenery & Landscape:

- i. The PP shall obtain necessary clearances from the District Green Committee for any tree removal and coordinate with the Forest Department for compensatory plantation.
- ii. Landscaping shall be done exclusively with indigenous, salt-tolerant coastal species. The Committee observed that the current budget for landscaping is insufficient and directs the PP to enhance the budget allocation for the greenbelt.

6. Social Commitments:

- i. The PP shall ensure that unrestricted access to the existing burial ground located nearby is maintained at all times for the local community.
- ii. Comprehensive safety measures, including fire safety systems and first-aid facilities, shall be implemented across the site.

7. Energy Efficiency:

- i. The PP shall maximize the use of renewable energy by installing rooftop solar panels and solar street lights, in coordination with the Tamil Nadu Green Energy Corporation Limited (TNGECL).

8. Institutional Commitment:

- i. As a commitment to coastal conservation, the Proponent shall contribute to the Tamil Nadu Marine Resource Foundation (TNMRF). This contribution shall be included in the Environment Management Plan (EMP) cost, and details of the fund allocation must be submitted to the Authority.

With the above observations and specific conditions, the TEC recommends the proposal for consideration by the Authority.

Agenda Item No.5 Proposed Upgradation of Existing Marine Terminal Facility with Proposed Hydrocarbon Transfer Pipelines, Crossover Bridge across Uppanar River, Sea Water Intake & Outfall Facilities and 20 MLD Desalination plant at Chithirapettai, Thiyyavalli and Semmankuppam village, Cuddalore taluk, Cuddalore district by M/s. Chemplast Cuddalore Vinyls Limited, Cuddalore (Single Window No. SW/209502/2025)

The District Coastal Zone Management Authority, Cuddalore has forwarded a proposal received from M/s. Chemplast Cuddalore Vinyls Limited, Cuddalore for the Proposed Upgradation of Existing Marine Terminal Facility with Proposed Hydrocarbon Transfer Pipelines, Crossover Bridge across Uppanar River, Sea Water Intake & Outfall Facilities and 20 MLD Desalination plant at Chithirapettai, Thiyyavalli and Semmankuppam village, Cuddalore taluk, Cuddalore district. The EIA report prepared by M/s. Indomer Coastal Hydraulics (P) Ltd., Chennai having NABET certificate valid upto 13.09.2026.

Introduction:

Chemplast Cuddalore Vinyls Limited (CCVL) had set up Marine Terminal Facilities (MTF) to support the SPVC manufacturing facility near Cuddalore in the SIPCOT Industrial Estate, Phase II complex. At present CCVL is operating a MTF at Chithirapettai village, Cuddalore for importing Vinyl Chloride Monomer (VCM) which is the feedstock for the above mentioned PVC manufacturing units. MTF is constructed 1.0 km offshore within the port limits of Cuddalore minor ports.

As part of backward integration for the PVC plant, CCVL proposed to manufacture VCM at Cuddalore. The feedstock for manufacture of VCM is Ethylene and Ethylene Di-Chloride (EDC). To cater the imports of Ethylene and EDC as well as establish continuous connectivity to the jetty, CCVL intends to expand the MTF. MoEF&CC granted EC & CRZ Clearance to CCVL for setting up Marine Terminal dated:19.12.2005.

Gist of the existing clearance:

- EC and CRZ Clearance issued by MoEF&CC vide F. No.11-63/2005-IA-III dated 19.12.2005
- Consent to Operate renewal from TNPCB obtained on 28.03.2023 and valid till 31.03.2027.
- Transfer of EC from Chemplast Sanmar Limited to Chemplast Cuddalore Vinyls Limited vide order No. F. No. 11-63/2005-IA-III dated 09.08.2024
- MoEF&CC granted Terms of Reference (ToR) vide ToR Identification No. TO24A3501TN5664131N dated 02.12.2024.

Project Description:

M/s. Chemplast Cuddalore Vinyls Limited, Cuddalore Proposed for Upgradation of Existing Marine Terminal Facility with Proposed Hydrocarbon Transfer Pipelines, Crossover Bridge across Uppanar River, Sea Water Intake & Outfall Facilities and 20 MLD Desalination plant at Chithirapettai, Thiyyavalli and Semmankuppam village, Cuddalore taluk, Cuddalore district. The existing area is 6.374 Ha and the Additional area proposed is 7.745 Ha. As per the EIA Notification 2006, the project comes under 7(e) Ports and Harbours (category A). The project site falls under CRZ IB, CRZ III NDZ, CRZ III (200 to 500m), CRZ IVA and CRZ IVB. The public hearing was conducted for the proposed project on 19.12.2025.

a) Size of the facilities (existing and after expansion)

Facilities	Existing	After Expansion
Berthing capacity	20000 DWT	38500 DWT
Mooring dolphin	4 nos	6 nos
Approach trestle	-	1060m×12m
Crossover bridge	-	384m×11m
Desalination plant	-	20 MLD

b) Size of cargo handling (existing and after expansion)

Feedstock import requirement (Million TPA)		
Feedstock	Existing	After Expansion
VCM	0.366	0.6
Ethylene	0	0.2
Ethylene Dichloride	0	0.7
Total	0.366	1.5

c) Details of existing & Proposed facilities:

Existing facilities		
In Sea	On land	In Uppanar river
• Island jetty capable of berthing ships upto 20000 DWT • 2 Nos breasting Dolphins (14m×14m) • 4 Nos mooring Dolphins (10m×10m) • Unloading platform (20m×10m) with marine loading arm for VCM • Substation cum control building (20m ×9m) • Walkway Bridge connecting mooring & breasting dolphins (200m×1.2m) • 2 Nos subsea VCM pipelines passing 1060 m in sea and 2430 m in land. • Seawater intake system with pipelines having 400m in subsea and 2430 m in land. • Brine reject outfall system with pipeline having 800 m in sub sea and 2430 m in land.	• 2 Nos × VCM pipelines along with intake and brine reject pipelines in RCC trench having 2430 m from LFP to plant	• 2 Nos × VCM pipelines running beneath the Uppanar riverbed, along with desalination intake and brine reject pipelines, approximately 384m across the river.

Proposed facilities		
In Sea	On land	In Uppanar river
• New approach trestle from jetty to land fall point (1060 m×12m) • Upgradation of existing breasting dolphins (22m×18m) - 2 Nos	• Desalination plant of 20 MLD capacity • Pipelines for transporting feedstock from MTF to proposed	• Crossover bridge across Uppanar river carrying pipelines for transporting chemicals and 2 nos × 12" pipeline for supplying desalinated water

• Upgradation of existing mooring dolphins - 4 Nos • Additional mooring dolphins (10m x10m)-4 Nos • Two additional loading arms • Proposed walkway bridge • New firewater pump house cum station (65m x 21m) • New tug berth (27m x 5m) • Capital dredging - $2.6 \times 10^6 \text{ m}^3$ • Pipelines for transporting chemicals, fire water and desalinated water from MTF to existing and proposed plant (1060m in sea over approach trestle and 3430m on land) EDC pipeline (20" dia) VCM pipeline (16" dia) VCM coolant (4" dia) Ethylene (16" dia) Ethylene Coolant Pipeline (6" dia) Fire water pipeline (24" dia) Desalinated water pipeline (4" dia) • Seawater intake pipeline (1200 m in land and 800 m in sea laid over the approach trestle) • Brine reject outfall pipeline diffuser (1200m) in land 800 m in sea laid over the approach trestle. • Construction of temporary material load out jetty for a length of 400 m from LFP.	VCM plant extending - 3430 m (LFP to desalination plant) • Seawater intake and brine reject pipeline from LFP to desalination plant. • 2 nos x 12" pipeline for supplying desalinated water extending 1900 m (Desalination plant to Main plant)	(Desalination plant to Main plant) - 384m • Power, communication cables, overhead transmission lines etc.
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d) CRZ Classification of the proposed development:

S. No	Proposed facilities	CRZ zonation	Area (Sq.m)
1	Dredging Layout	CRZ IVA	1591071.35
2	Proposed Alignment Bridge	CRZ IB	59.97
		CRZ III NDZ	1441.22
		CRZ IVB	2277.99
		Outside CRZ	97.07

3	Proposed Approach Trestle	CRZ IB	1236.39
		CRZ III NDZ	2408.39
		CRZ III (200 to 500m)	146.53
		CRZ IVA	13081.06
4	Proposed extension of breasting dolphin	CRZ IVA	449.56
5	Proposed Marine Control Building	CRZ III NDZ	612.30
6	Proposed Marine Terminal	CRZ III NDZ	17900.60
		CRZ III (200 to 500m)	32180.46
7	Proposed MD Strengthening	CRZ IVA	574.88
8	Proposed Mooring Dolphin	CRZ IVA	200.065
9	Proposed Pipeline Corridor in Pipe rack	CRZ III (200 to 500m)	1697.68
		CRZ III NDZ	103.038
		Outside CRZ	3542.75
10	Proposed Pump House cum Substation	CRZ IVA	1473.88
11	Proposed Road over Bridge	CRZ IB	40.5
		CRZ III NDZ	767.48
		CRZ IVB	1224.79
		Outside CRZ	30.46
12	Proposed Tug Berth	CRZ IVA	238.64
13	Proposed walkway	CRZ III NDZ	718.04
14	Proposed walkway bridge	CRZ IVA	19.76
15	Proposed Desalination plant	CRZ III (200 to 500m)	39965.12
		Outside CRZ	6755.46

Need of the Project:

CCVL has been operating suspension PVC plant at Cuddalore since 2009 based on the imported feedstock Vinyls Chloride Monomer (VCM). The existing MTF is located at 1 Km from shore and the approach to the MTF is present is only be boat from Cuddalore minor port. In case of emergency excavation, it poses serious threat in case boats are not able to reach the MTF due to inclement weather. Hence, to improve the safety in case of emergency and approach to the jetty for maintenance works, CCVL

has intended to build an approach bridge from the landfall point to the jetty. The approach trestle also used for supporting the pipelines above water from landfall point to the MTF. The bridge will have space for supporting the pipelines cables.

Ethylene and Ethylene Dichloride (EDC) are the feedstock required for production of VCM. To facilitate import of Ethylene and EDC, following activities are being proposed:

- Strengthening of existing jetty and expansion of jetty for berthing higher capacity ships.
- Construction of trestle for carrying proposed pipelines.
- Desalination plant to cater water requirements for the project.
- Bridge across Uppanar to carry the proposed pipelines.

Location of the Project:

The geo co ordinates of the project site is given below

Proposed project	Point	Latitude	Longitude
Proposed Walkway	1	11°38'42.617"N	79°44'25.983"E
	2	11°38'42.589"N	79°44'25.879"E
	3	11°38'46.413"N	79°44'27.735"E
	4	11°38'46.028"N	79°44'27.592"E
Proposed Alignment Bridge	5	11°38'40.474"N	79°44'42.804"E
	6	11°38'40.912"N	79°44'42.968"E
Proposed Road over Bridge	7	11°38'46.147"N	79°44'27.636"E
	8	11°38'46.300"N	79°44'27.693"E
	9	11°38'40.733"N	79°44'42.907"E
Proposed Pipeline Corridor in pipe rack	10	11°38'40.631"N	79°44'42.863"E
	11	11°38'25.349"N	79°45'41.916"E
	12	11°38'25.758"N	79°45'42.036"E
	13	11°38'22.730"N	79°45'45.794"E
	14	11°38'22.702"N	79°45'45.797"E
Proposed Approach Trestle	15	11°38'25.367"N	79°45'41.922"E
	16	11°38'25.741"N	79°45'42.032"E
	17	11°38'23.367"N	79°46'22.385"E
	18	11°38'22.846"N	79°46'22.825"E
Proposed Marine Terminal	19	11°38'23.673"N	79°45'35.026"E
	20	11°38'28.786"N	79°45'38.342"E
	21	11°38'24.541"N	79°45'47.236"E
	22	11°38'21.354"N	79°45'46.993"E

	23	11°38'21.470"N	79°45'43.048"E
	24	11°38'21.604"N	79°45'39.190"E
Proposed Desalination plant	25	11°38'26.165"N	79°45'31.202"E
	26	11°38'34.923"N	79°45'33.393"E
	27	11°38'32.755"N	79°45'40.097"E
	28	11°38'24.842"N	79°45'35.094"E
	29	11°38'24.223"N	79°46'13.230"E
Proposed Tug Berth	30	11°38'24.389"N	79°46'13.661"E
	31	11°38'24.395"N	79°46'15.044"E
	32	11°38'24.230"N	79°46'15.045"E
	33	11°38'24.231"N	79°46'15.263"E
Proposed Pump House cum Substation	34	11°38'24.882"N	79°46'15.258"E
	35	11°38'24.926"N	79°46'17.605"E
	36	11°38'24.246"N	79°46'17.602"E
	37	11°38'25.377"N	79°46'19.440"E
Proposed Mooring Dolphin	38	11°38'25.379"N	79°46'19.907"E
	39	11°38'20.216"N	79°46'24.721"E
	40	11°38'20.222"N	79°46'25.184"E
	41	11°38'24.607"N	79°46'19.795"E
Proposed MD Strengthening	42	11°38'24.780"N	79°46'20.277"E
	43	11°38'24.154"N	79°46'20.258"E
	44	11°38'24.312"N	79°46'20.746"E
	45	11°38'20.887"N	79°46'23.649"E
	46	11°38'20.918"N	79°46'24.233"E
	47	11°38'20.376"N	79°46'24.124"E
	48	11°38'20.519"N	79°46'24.641"E
Proposed Extension of Breasting Dolphin (TYP)	49	11°38'23.586"N	79°46'21.586"E
	50	11°38'23.611"N	79°46'22.642"E
	51	11°38'22.567"N	79°46'22.643"E
	52	11°38'22.479"N	79°46'23.577"E
Proposed Dredging Area	53	11°38'14.256"N	79°46'19.701"E
	54	11°38'33.586"N	79°46'19.610"E
	55	11°38'33.712"N	79°46'43.654"E
	56	11°38'21.268"N	79°46'43.740"E
	57	11°37'43.676"N	79°48'29.552"E
	58	11°37'32.962"N	79°48'25.501"E
	59	11°38'14.333"N	79°46'31.464"E
Proposed Marine Control Building	60	11°38'21.763"N	79°45'43.445"E
	61	11°38'22.521"N	79°45'44.889"E
Pipeline Corridor route	62	11°38'35.404"N	79°44'21.270"E
	63	11°38'45.735"N	79°44'26.839"E
Proposed Outfall	64	11°38'27.247"N	79°45'36.323"E
	65	11°38'29.630"N	79°46'7.459"E
Proposed Intake	66	11°38'24.072"N	79°45'47.591"E

	67	11°38'24.183"N	79°46'9.130"E
Proposed Hydrocarbon Transfer pipelines	68	11°38'23.280"N	79°45'49.630"E
	69	11°38'22.823"N	79°46'14.393"E
Proposed firewater pipeline	70	11°38'23.350"N	79°46'2.097"E
	71	11°38'23.435"N	79°46'17.388"E

Land breakup:

Description	Area Existing (Ha)	Additional Area Proposed (Ha)	Total Area required after Expansion (Ha)
Non- Forest Area	6.374	7.745	14.119
Forest Area	0	0	0
Total Development Area	6.374	7.745	14.119

Manpower Requirement:

S. No	Present Employment details		Construction phase		Operational phase	
	Permanent	Contractual	Permanent	Contractual	Permanent	Contractual
1	15	50	10	150	10	50

Water Requirement:

During Construction phase, the total water requirement is 100 KLD and it is sourced from the existing Desalination plant.

During Operation phase, the total water requirement is 10 KLD and it is sourced from Desalination plant.

Power Requirement:

During Construction phase, DG sets will be used for temporary power supply during welding operations. Diesel will be used as primary fuel for operation of equipment for laying of the pipeline works.

During Operational phase power will be consumed through existing TNEB power source.

Solid waste Management:

The generated waste will be handled as per the Solid Waste Management Rule 2016. The Brine rejects from the 20 MLD desalination plant will be discharged into the open sea.

CRZ Classification and Project cost:

The project site falls in CRZ IB, CRZ-III NDZ, CRZ III (200 to 500m), CRZ-IV A and CRZ IV B and the total cost of the project is Rs.450 Crore.

Recommendation of DCZMA of Cuddalore district:

The DCZMA for Cuddalore district has recommended the proposal to SCZMA in the meeting held on 19.11.2025, 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. Prior Planning permission should be obtained for the proposed construction, if any, from the local authorities concerned and the proposed constructions should satisfy the local Town and Country Planning regulations and Para 8 (i) II CRZ II (i), (ii) and (iii) of CRZ Notification 2011. The FSI/FAR should be as on 19.02.1991.
3. The proposed construction shall not disturb the land and marine ecology.
4. The Proposed activity shall not interfere with the fishermen, Marine patrol & Public Movement at any point of time. Also the fishing boats movement shall also not be hindered.
5. There shall be no withdrawal of groundwater in Coastal Regulation Zone area for this project. In any case any ground water is proposed to be withdrawn from outside the CRZ area, specific prior permission from the concerned State/Central Groundwater board shall be obtained in this regard.
6. The Project Proponent shall treat the sewage through Sewage Treatment plant of adequate and the treated water shall be used for green belt developed within the premises and the sludge generated shall be used as manure for green belt.
7. The waste water generated from the activity shall be collected, treated and reused properly.
8. The Project Proponent shall monitor continuously if any shoreline changes due the project activity. Appropriate shore protection measures have to be taken up in consultation with expert organization as reported.
9. Appropriate dredger, dredging technology shall be selected to minimize the impact.

10. Net enclosures with booms shall be placed around the dredging area in order to control the spread of the turbid plume.
11. Post dredging monitoring programme shall be carried out to assess effect of dredging on marine ecology.
12. Installation and operation of DG set, if any, shall comply with the guidelines of CPCB. The diesel required for operating DG sets shall be stored in underground tanks and if required, Clearance from Chief Controller of Explosives shall be taken.
13. Fire station shall be located within the project area.
14. The Hazardous waste generated shall be properly collected and handled as per the provisions of Hazardous and Other wastes (Management and Transboundary Movement) Rules, 2016.
15. No solid waste shall be disposed off in the Coastal Regulatory Zone area. The solid waste shall be properly collected segregated and disposed as per the provision of Solid Waste Management Rules, 2016.
16. No hazardous chemicals shall be stored in the Coastal Regulation Zone area.
17. Air quality including the VOC shall be monitored regularly as per the guidelines of CPCB and reported.
18. Project Proponent shall install necessary oil spill mitigation measures in the facility.
19. The project proponent shall undertake green belt development all along the periphery of the project area and also alongside the road.
20. All necessary clearances from the concerned agencies shall be obtained before initiating the project.
21. Specific arrangements for rainwater harvesting shall be made in the project design and the rain water so harvested shall be optimally utilized.
22. The facilities to be constructed in the CRZ area as part of this project shall be strictly in conformity with the provisions of the CRZ Notification, 2011 and its amendment. The facilities such as office building and residential buildings which do not require water front and foreshore facilities shall not be constructed within the Coastal Regulation Zone area.
23. The sand dunes and mangroves, if any, on the site shall not be disturbed in any way.
24. The project shall explore the possibilities of allocation of funds for preserving the ecology and environment (land and marine).
25. The project proponent shall set up separate Environmental Management Cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

26. The proponent shall comply with the Environmental Management plan both during construction and operational phases.
27. The construction shall be designed and constructed in accordance to the seismic factors applicable to moderate intensity zone.
28. The construction shall comply with the Construction and Demolition Waste Management Rules, 2016.
29. The Project Proponent shall install Solar Panels of RoHS standards for lighting within the project premises at maximum extent possible.
30. The project proponent shall give employment to the local people. It is emphasized a minimum 25% of the workforce shall be from the surrounding villages/within Cuddalore District.
31. The project proponent shall lay the pipelines below the sea bed at required depth after carrying out detailed study taking into account of fishing boat.
32. The project proponent is solely responsible for any change in the vicinity of the shoreline. The cost towards dredging or prevention of erosion due to the shoreline changes induced by the activity of the unit shall be borne by the proponent to a distance of 3 km on either side of the proposed site.
33. This CRZ Clearance is subject to the outcome of the public hearing and other EIA related appeals necessitated as per prevailing rules and regulation in force.

The Project Proponent has submitted the replies to the above conditions vide letter dated 05.12.2025.

Provisions in CRZ Notification, 2011:

S. No	Proposed facilities	CRZ zonation	Permissible activities as per CRZ notification 2011
1	Dredging Layout	CRZ IVA	Para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities; Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.;
2	Proposed extension of breasting dolphin		
3	Proposed MD Strengthening		
4	Proposed Mooring Dolphin		
5	Proposed Pump House cum Substation		
6	Proposed Tug Berth		
7	Proposed walkway bridge		

8	Proposed Alignment Bridge	CRZ IB, CRZ III NDZ, CRZ IVB & Outside CRZ	• 8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;
9	Proposed Approach Trestle	CRZ IB, CRZ III NDZ, CRZ III (200 to 500m) & CRZ IVA	• 8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;

			• Para 8 III CRZ III (B) (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
10	Proposed Marine Control Building	CRZ III NDZ	• Para 8 III CRZ III (B) (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
11	Proposed Marine Terminal	CRZ III (200 to 500m)	
12	Proposed Pipeline Corridor in Pipe rack	CRZ III (200 to 500m), CRZ III NDZ & Outside CRZ	• Para 4 (i) (d) laying of pipelines, conveying systems, transmission line;
13	Proposed Road over Bridge	CRZ IB, CRZ III NDZ, CRZ IVB & Outside CRZ	• 8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries,

			schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;
14	Proposed walkway	CRZ III NDZ	• Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;
15	Proposed Desalination plant	CRZ III (200 to 500m) & Outside CRZ	• Para 8 III CRZ III (v) foreshore facilities for desalination plants and associated facilities; - Para 4 (ii) (h) Facilities for generating power by non-conventional energy resources, desalination plants and weather radars;
16	Pipeline corridor route	CRZ III NDZ & Outside CRZ	As para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities; • Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.;

17	Proposed firewater pipeline	CRZ IVA, CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines;
18	Proposed Intake Proposed outfall	CRZ III (200 to 500m), CRZ III NDZ, CRZ IVA & CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines; • Para 8 III CRZ III (iii) (h) & 8 III CRZ III (B) (v) Foreshore facilities for desalination plants and associated facilities;
19	Proposed Hydrocarbon transfer pipelines	CRZ IVA & CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines; • Para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities;
	• As per the General conditions (xii) of the existing clearances issued by MoEF & CC, GoI, vide F. No.11-63/2005-IA-III dated: 19.12.2005, the project proponent has to approach the MoEF & CC, GoI, for alteration of the project. • Para 4 (f), construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, breakwaters, groynes, erosion control measures and salt works are permissible activities. • The permissible activity comes under Category 7(e), "Port and Harbour EIA Notification, 2006 and classified as Category "A", the proposal may be recommended to MoEF & CC, Govt. of India as per Para 4(ii) (a) of CRZ Notification, 2011.		

Remarks of the Technical Expert Committee: (Meeting held on 30.01.2026)

The Project Proponent (PP), M/s. Chemplast Cuddalore Vinyls Limited (CCVL), presented the proposal to augment their existing infrastructure at the SIPCOT Industrial Complex, Cuddalore. The proposal aims to enhance operational efficiency and meet water requirements.

Key Components:

- i. **Marine Facilities:** Strengthening/modifying the jetty for larger vessels (up to 38,500 DWT), installing 2 new mooring dolphins (MD5 & MD6), and constructing a 1060 m approach trestle.
- ii. **Dredging:** Capital dredging of approx. 2.6 million cubic meters to deepen the navigational channel.

- iii. **Desalination:** A 20 MLD desalination plant with intake and outfall pipelines.
- iv. **Pipelines & Bridge:** Laying of hydrocarbon transfer pipelines and construction of a Crossover Bridge across the Uppanar River.

Observations & Specific Conditions of the TEC

After detailed deliberations, the TEC recorded the following observations and specific conditions to ensure compliance with the CRZ Notification, 2011:

1. Statutory Clearances:

- i. No construction activity shall commence without obtaining the necessary CRZ Clearance from the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India.
- ii. The PP shall submit copies of No Objection Certificates (NOCs) from the Tamil Nadu Maritime Board (TNMB) and Water Resources Department (WRD) regarding the jetty expansion and river crossing respectively, prior to the Authority meeting.

2. Marine Engineering & Dredging Protocol:

- i. The PP shall conduct detailed hydrodynamic and sediment transport modelling to assess the impact of the proposed dredging and marine structures on coastal morphology, tidal currents, and shoreline stability.
- ii. Dredging activities shall be strictly executed as per the approved plan. The dredged material must be disposed of only in the designated deep-sea disposal area approved by the competent authority. Under no circumstances shall dredged spoil be dumped in nearshore waters or ecologically sensitive areas.
- iii. The construction of the jetty, trestles, and the crossover bridge across the Uppanar River must be designed to ensure free flow of water. No obstruction to the natural tidal flow or riverine discharge is permitted during either construction or operation phases.

3. Desalination & Brine Management:

- i. A scientifically validated Brine Dispersion and Dilution Study shall be conducted. The intake and outfall systems must be designed to ensure that the salinity, temperature, and chemical characteristics of the discharge do not adversely impact marine biota.
- ii. The discharge must strictly comply with the standards prescribed by the CPCB and TNPCB.

4. Pollution Control & Oil Spill Management:

- i. Given the handling of hydrocarbons (Ethylene/VCM), the PP shall develop and implement a robust, site-specific Marine Oil Spill Contingency Plan (NOS-DCP/tier-1). Adequate safeguards/booms must be in place to prevent spillage during transfer operations.

- ii. Construction debris and excavated earth shall not be dumped into water bodies, the river, or the sea. All waste must be managed on land in designated sites.

5. Ecological Safeguards:

- i. The PP shall ensure that no mangroves, sand dunes, or ecologically sensitive features are disturbed by the proposed activities.
- ii. A comprehensive Marine Ecological Impact Assessment shall be undertaken to evaluate potential impacts on nearby habitats, including any coral or seagrass beds.

6. Monitoring & Environmental Audit:

- i. The PP shall install an advanced monitoring system for the real-time tracking of water quality (intake/outfall) and shoreline changes.
- ii. In addition to the onsite greenbelt with indigenous coastal species, the TEC recommends that the PP develop a green plantation under CER on suitable government barren land, in consultation with the District Administration.

7. Institutional Commitment:

- i. As a commitment to coastal conservation, the Proponent shall contribute to the Tamil Nadu Marine Resource Foundation (TNMRF). This contribution shall be included in the Environment Management Plan (EMP) cost, and details of the fund allocation must be submitted to the Authority.

With the above observations and specific conditions, the TEC recommends the proposal for consideration by the Authority.

Agenda Item No. 6 Any other subject with the permission of the Chair

Sd./- xxxx

Thiru A.R. Rahul Nadh, I.A.S.,
Member Secretary,
Tamil Nadu State Coastal Zone
Management Authority &
Director, Department of Environment &
Climate Change,
Chennai - 35.

Sd./- xxxx

Tmt. Supriya Sahu, I.A.S.,
Chairperson, Tamil Nadu State Coastal
Zone Management Authority and
Additional Chief Secretary to Government,
Environment, Climate Change &
Forest Department,
Secretariat, Chennai - 9.

Minutes of the 140th meeting of Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 10.02.2026

The Member Secretary extended a warm welcome to the Chairperson and all members of the Tamil Nadu State Coastal Zone Management Authority for the 140th meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA).

Agenda Item No. 01: Confirmation of the minutes of the 139th meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.01.2026.

The 139th meeting of the Tamil Nadu State Coastal Zone Management Authority was held on 27.01.2026 and the minutes were communicated to the Members of the Authority, vide this office letter No. P1 /DOECC/892/ 2024, dated 06.02.2026

Agenda Item No.02: The action taken on the decisions of 139th meeting of the Authority held on 27.01.2026.

The Member Secretary briefed the Members about the action taken by the Department of Environment and Climate Change in response to the decisions made during the 139th meeting held on 27.01.2026, which was noted down by the members.

Agenda Item No.3 Proposed construction of Dugong Conservation and Research Establishment (D-CARE) Centre at Sarabendrarajapattinam Village, Pattukkottai Taluk, Thanjavur District by the District Forest Officer, Thanjavur district (Single Window No. SW/273800/2026)

Project Cost: Rs.34.90 Crore

CRZ Classification: CRZ III (200 to 500m) area

Provisions in CRZ Notification, 2011:

During the meeting of the 429th meeting Expert Appraisal Committee (EAC) of MoEF & CC, GoI held on 23.12.2025, the EAC has suggested that efforts shall also be made to shift the structure in Non-NDZ areas. Hence, the Proponent has identified the land in 200-500m from HTL and submitted a fresh proposal for construction of Dugong Conservation Centre.

The provisions of the CRZ Notification, 2011 is as follows.

Sl. No	Proposed Component	CRZ Classification	Permissible activities as per CRZ notification 2011
1	Dugong conservation Centre, Dugong statue, Marine Museum, Nutrition	CRZ III (200 to 500 m)	Para 8 III CRZ III B (viii) Construction of public rain shelters, community toilets,

	Centre, Ancillary building Toilet block and office, Ancillary accommodation, Cloak Room, Eco hub, Solar panel, STP, Fire Tank, Field Equipment Store, Children's outdoor experience and learning Centre.		water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
As the proposed construction activity is less than 20,000 sq.mtr. built up area, the proposal may be recommended to Local Planning Authority (DTCP) as per Para 2 (ii) 2 of Office Memorandum dated 26.04.2022.			

Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority:

The Project Proponent explained that, as suggested during the meeting of the Expert Appraisal Committee (EAC) of MoEF&CC held on 23.12.2025, the proposal for the construction of the Dugong Conservation and Research Establishment (D-CARE) has been relocated to the CRZ-III area (200 m to 500 m), in compliance with the provisions of the CRZ Notification, 2011. The project involves a land extent of 18,755 sq.m, with a total built-up area of 5,979.66 sq.m

The TNSCZMA reviewed the recommendation of the DCZMA, Thanjavur district, in the meeting held on 13.01.2026. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

The Authority decided to recommend the proposal to DTCP for CRZ Clearance with the following conditions:

A. Specific conditions:

1. The Project Proponent shall adopt advanced tertiary treatment processes so that the treated effluent meets the quality requirements for complete reuse.
2. The Project Proponent shall implement a robust Zero Liquid Discharge (ZLD) mechanism to prevent any discharge of sewage, greywater, or effluents into adjoining CRZ area/ Sea. Treated water shall be utilized on-site for irrigation, toilet flushing, and other permissible non-potable uses.
3. Rooftop solar photovoltaic panels shall be installed to the maximum extent possible to meet the energy requirements of the Research Establishment.
4. A scientifically designed rainwater harvesting system shall be implemented to conserve water and improve groundwater recharge.

5. The Project Proponent shall develop and implement an environmental monitoring plan to assess, at regular intervals, the status of dugong populations, seagrass cover and associated ecological components.
6. The Project Proponent shall ensure that nearby seagrass beds and marine life are not disturbed during both the construction and operational phases of the project.
7. The Project Proponent shall ensure that the natural habitats, including terrestrial and marine flora and fauna, remain undisturbed during the execution and operation of the project.
8. A greenbelt comprising exclusively of indigenous and salt-tolerant coastal species shall be developed along the periphery of the project site to act as a bio-shield.
9. Visitor awareness programs shall be conducted to prevent littering, and encourage protection of the coastal ecosystem.

B. General Conditions

1. No construction activity shall be started prior to obtaining CRZ clearance from the competent authority. The Project Proponent should also get required clearances such as Planning Permission, Plan Approval and other statutory clearances.
2. Groundwater extraction within CRZ areas is strictly prohibited under the CRZ Notification, 2011, and shall not be undertaken at any stage.
3. The project proponent shall segregate the municipal solid waste generated as Bio Degradable and Non-Bio Degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management (Amendment) Rules, 2020.
4. Consent to Establish, Consent to Operate shall be obtained from the Tamil Nadu State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
5. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018. The construction debris and other type of waste shall not be disposed of into the CRZ area or in the backwater.
6. A Comprehensive Disaster Risk Management Plan shall be prepared and submitted, detailing strategies to mitigate risks associated with cyclones, flooding and storm surges, given the coastal vulnerability of the project location.
7. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure no environmental impact.

8. The project proponent is required to set up an Environment Management Cell to oversee and ensure the effective implementations of the recommendations outlined in the Environmental Management Plan included in the EIA report of the project.
9. The Authority instructed that all the conditions imposed by the TNSCZMA and the DCZMA shall be strictly complied with.

Agenda Item No 4 Proposed Development of Nandavanam Heritage Park at Survey No. 94/1B and 350, Tiruvidanthai Village, Thiruporur Taluk, Chengalpattu District under Special Assistance to States for Capital Investment (SASCI) Scheme by the General Manager, Tamil Nadu Tourism Development Corporation, Chennai (Single Window No. SW/271086/2026)

Project Cost: Rs.99.67 Crore

CRZ Classification: CRZ IB, CRZ III NDZ and CRZ III (200 to 500 m)

Provisions in CRZ Notification, 2011:

Sl. No	Proposed Component	CRZ Classification	Permissible activities as per CRZ notification 2011
1.	Art Garden, ATV Zone / Open area (PPP), Beach Volleyball court, Fencing, Event Arena, Folk Deities Garden, Mobile Food Kiosk, Kids Play Area, Lotus Pond, Miniature Heritage Structures Park, Mural Garden, Music Garden, Parking, Pillar Park, Road, Rural Life Garden, Sculpture Garden, Open area (PPP), Theatre Garden, Throw ball Court	CRZ -III (NDZ)	Para 8 III CRZ III A.(iii) (a) agriculture, horticulture, gardens, pasture, parks, play field, and forestry;
2.	Sewage Treatment Plant, CCTV Surveillance & Control Room, Fencing, Electrical substation- Associated facilities, Entry Gate, Tourist facilitation centre, Event arena, Folk Deities Garden, Mobile Food Kiosk, Glow Park/Open Area (PPP), Greenbelt, Light and Sound	CRZ III (200 to 500 m)	Para 8 III CRZ III B (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major

	Park / Open area (PPP). Lotus pond, Miniature Heritage Structures Park, Parking, Pillar Park, Restaurant, Road, Rural Life Garden, Food Street, Open Area (PPP), Mobile Ticket Kiosk, Mobile Toilet UGT, OWC, Transformer		part of which falls within CRZ if no other area is available for construction of such facilities
• As per the O.M. No. IA No.-12/1/2022-IA.III dated 26.04.2022, which read in "para 4 in case the CZMA desires to consider an activity which is not explicitly mentioned in the notification or not permissible, such a recommendation shall be forwarded with detailed justification to the ministry for consideration. • The proposal may be recommended to MoEF & CC, Govt. of India, for issuing Clearance.			

Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority:

The Project Proponent briefed that, under the SASCI scheme aimed to promote sustainable and culturally enriched tourism, Nandavanam Heritage Park has been identified at Thiruvudanthai Village along the ECR Road to enhance tourism activities while supporting circular economy principles. The proposal covers a total land extent of 218.54 acres, of which Phase I development of Nandavanam Heritage Park is proposed over an area of 68.35 acres, with a total built-up area of 3,202.75 sq.m. The proposed project activities viz open parks, landscaped gardens, playfields, cultural spaces, pathways, greenbelt, and eco-recreational facilities, which align with permissible activities within CRZ-III (No Development Zone) and CRZ-III (200-500 m from the HTL).

The proponent also mentioned that project will enhance local livelihoods by providing mobile food kiosks and food streets for vendors and creating employment opportunities for artisans, folk performers, and handicraft sellers, and boosting hospitality and tourism businesses, while also developing essential public amenities such as toilets, drinking water, internal roads, lighting, parking, recreational parks, open spaces, and community gathering areas with an event arena for cultural activities.

The proponent has also confirmed that the CRZ-IB area will be retained as a non-developable beach/open space zone with no construction activities, in order to preserve its ecological integrity.

The Authority reviewed the detailed justification submitted by the proponent and decided to recommend the proposal to the MoEF & CC, Government of India, for CRZ Clearance, as per the O.M. No. IA No.-12/1/2022-IA.III dated 26.04.2022 which read in "para 4 in case the CZMA desires to consider an activity which is not explicitly

mentioned in the notification or not permissible, such a recommendation shall be forwarded with detailed justification to the ministry for consideration, subject to the following conditions

The TNSCZMA also reviewed the recommendation of the DCZMA, Chengalpattu district, in the meeting held on 24.01.2026. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

A. Specific conditions

1. The proponent should ensure that no construction activities are carried out in the No Development Zone (NDZ-0-200m) in the CRZ III as proposed.
2. The Project Proponent shall not carry out any construction of building in the 200m to 500m apart from the activities proposed in the project.
3. As parts of the project fall within the NDZ, all pathways and hardscaping shall be constructed using permeable, eco-friendly materials (e.g., grass pavers, natural stone) to maintain soil permeability. Concrete usage should be minimized.
4. The Project Proponent shall use amber/red spectrum LED lights with cut-off shielding to ensure that the illumination does not disturb nocturnal coastal fauna or spill over onto the beach front.
5. The project premises shall be declared a plastic-free zone, and shall undertake awareness activities on the harmful impacts of plastic use.
6. The Project Proponent shall adopt tertiary treatment of sewage to ensure that the treated effluent meets the prescribed quality standards for complete reuse.
7. The project shall strictly follow Zero Liquid Discharge (ZLD), no sewage, greywater, or effluent shall be discharged into sea, backwaters, drains, wetlands, or adjoining water bodies. The treated wastewater shall be fully reused within the premises for landscape irrigation, toilet flushing, and other non-potable purposes. No untreated wastewater shall be discharged into the sea or the CRZ area.
8. The Project Proponent shall ensure that the project does not disturb the existing terrestrial or marine flora and fauna in the area.
9. A greenbelt comprising native and salt-tolerant species shall be developed within the project site in consultation with the Forest Department, and necessary approval shall be obtained from the District Green Committee for an cutting of trees.
10. A rooftop solar photovoltaic system shall be installed particularly over the car parking area to meet a portion of the project's energy requirements and promote the use of renewable energy maximum extent possible.

11. Visitor awareness programs shall be conducted to promote responsible tourism, prevent littering, and encourage protection of the coastal ecosystem.
12. The proponent shall prepare and implement a comprehensive Traffic Management Plan to regulate vehicular movement and ensure smooth traffic flow in and around the project area.
13. The Access to the burial ground should not be disturbed during construction and operation phase.
14. As committed by the Proponent during the presentation, a voluntary contribution of Rs.1,00,000/- shall be deposited to the Tamil Nadu Marine Resources Foundation (TNMRF) for conservation, mitigation and restoration of marine resources.

B. General conditions

1. No construction activity shall be started prior to obtaining CRZ clearance from the competent authority. The Project Proponent should also get required clearances such as Planning Permission, Plan Approval and other statutory clearances.
2. Groundwater extraction within CRZ areas is strictly prohibited under the CRZ Notification, 2011, and shall not be undertaken at any stage.
3. The project proponent shall segregate the municipal solid waste generated as Bio Degradable and Non-Bio Degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management (Amendment) Rules, 2020.
4. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018. The construction debris and other type of waste shall not be disposed off into the CRZ area or in the sea.
5. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure minimal environmental impact.
6. The Consent to Establish, Consent to Operate shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
7. The project proponent is required to set up an Environment Management Cell to oversee and ensure the effective implementations of the recommendations outlined in the Environmental Management Plan included in the EIA report of the project.

8. A Comprehensive Disaster Risk Management Plan shall be prepared and submitted, detailing strategies to mitigate risks associated with cyclones, flooding and storm surges, given the coastal vulnerability of the project location.
9. The Authority instructed that all the conditions imposed by the TNSCZMA and the DCZMA shall be strictly complied with.

Agenda Item No.5 Proposed Upgradation of Existing Marine Terminal Facility with Proposed Hydrocarbon Transfer Pipelines, Crossover Bridge across Uppanar River, Sea Water Intake & Outfall Facilities and 20 MLD Desalination plant at Chithirapettai, Thiyyavalli and Semmankuppam village, Cuddalore taluk, Cuddalore district by M/s. Chemplast Cuddalore Vinyls Limited, Cuddalore (Single Window No. SW/209502/2025)

Project Cost: Rs. 450 Crore.

CRZ Classification: CRZ IB, CRZ-III NDZ, CRZ III (200 to 500m), CRZ-IV A and CRZ IV B area

Provisions in CRZ Notification, 2011:

S. No	Proposed facilities	CRZ zonation	Permissible activities as per CRZ notification 2011
1	Dredging Layout	CRZ IVA	Para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities; Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.;
2	Proposed extension of breasting dolphin		
3	Proposed MD Strengthening		
4	Proposed Mooring Dolphin		
5	Proposed Pump House cum Substation		
6	Proposed Tug Berth		
7	Proposed walkway bridge		
8	Proposed Alignment Bridge	CRZ IB, CRZ III NDZ, CRZ IVB & Outside CRZ	8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are

			required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;
9	Proposed Approach Trestle	CRZ IB, CRZ III NDZ, CRZ III (200 to 500m) & CRZ IVA	• 8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA; • Para 8 III CRZ III (B) (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit

			construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
10	Proposed Marine Control Building	CRZ III NDZ	• Para 8 III CRZ III (B) (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
11	Proposed Marine Terminal	CRZ III (200 to 500m)	• Para 8 III CRZ III (B) (viii) Construction of public rain shelters, community toilets, water supply drainage, sewerage, roads and bridges by CZMA who may also permit construction of schools and dispensaries for local inhabitants of the area for those panchayats, the major part of which falls within CRZ if no other area is available for construction of such facilities;
12	Proposed Pipeline Corridor in Pipe rack	CRZ III (200 to 500m), CRZ III NDZ & Outside CRZ	• Para 4 (i) (d) laying of pipelines, conveying systems, transmission line;
13	Proposed Road over Bridge	CRZ IB, CRZ III NDZ, CRZ IVB & Outside CRZ	• 8.I.(ii) (b) construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, jetties, [erosion control measures] water supply, drainage, sewerage which are required for traditional inhabitants living within the biosphere reserves after obtaining approval from concerned CZMA • Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants

			may be permitted on a case to case basis by CZMA;
14	Proposed walkway	CRZ III NDZ	• Para 8 III CRZ III (iii) (j) construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub station which are required for the local inhabitants may be permitted on a case to case basis by CZMA;
15	Proposed Desalination plant	CRZ III (200 to 500m) & Outside CRZ	• Para 8 III CRZ III (v) foreshore facilities for desalination plants and associated facilities; - Para 4 (ii) (h) Facilities for generating power by non-conventional energy resources, desalination plants and weather radars;
16	Pipeline corridor route	CRZ III NDZ & Outside CRZ	As para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities; • Explanation: The expression "foreshore facilities" means those activities permissible under this notification and they require waterfront for their operations such as ports and harbours, jetties, quays, wharves, erosion control measures, breakwaters, pipelines, lighthouses, navigational safety facilities, coastal police stations and the like.;
17	Proposed firewater pipeline	CRZ IVA, CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines;
18	Proposed Intake Proposed outfall	CRZ III (200 to 500m), CRZ III NDZ, CRZ IVA & CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines; • Para 8 III CRZ III (iii) (h) & 8 III CRZ III (B) (v) Foreshore facilities for desalination plants

			and associated facilities;
19	Proposed Hydrocarbon transfer pipelines	CRZ IVA & CRZ IB	• Para 8 I CRZ I (b) pipelines, conveying systems including transmission lines; • Para 3 (i) (a) those directly related to waterfront or directly needing foreshore facilities;
• As per the General conditions (xii) of the existing clearances issued by MoEF & CC, GoI, vide F. No.11-63/2005-IA-III dated: 19.12.2005, the project proponent has to approach the MoEF & CC, GoI, for alteration of the project. • Para 4 (f), construction and operation for ports and harbours, jetties, wharves, quays, slipways, ship construction yards, breakwaters, groynes, erosion control measures and salt works are permissible activities. • The permissible activity comes under Category 7(e), "Port and Harbour EIA Notification, 2006 and classified as Category "A", the proposal may be recommended to MoEF & CC, Govt. of India as per Para 4(ii) (a) of CRZ Notification, 2011.			

Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority:

M/s. Chemplast Cuddalore Vinyls Limited (CCVL) explained that the proposal aims to augment its existing infrastructure to enhance operational efficiency and meet water requirements. The proposal includes strengthening and expanding the existing jetty to accommodate larger vessels (up to 38,500 DWT), installation of two additional mooring dolphins and construction of a 1060 m approach trestle, capital dredging of 2.6 million cubic meters, establishment of a 20 MLD desalination plant with intake and outfall pipelines, and laying of hydrocarbon transfer pipelines along with a crossover bridge across the Uppanar River.

The TNSCZMA reviewed the recommendation of the DCZMA, Cuddalore district, in the meeting held on 19.11.2025. The Authority has also taken note of the remarks of Technical Expert Committee (TEC) and the response provided by the Project Proponent for those comments.

The Authority decided to recommend the proposal to MoEF&CC, GoI, for CRZ Clearance with the following conditions:

A. Specific conditions

1. Dredging activities shall be carried out in accordance with approved dredging plans, and the dredged material shall be disposed off in the designated disposal point as approved by the competent authority.
2. The project proponent shall undertake controlled capital dredging to avoid dispersion of sediments to adjacent coastal areas.

3. The project proponent shall be responsible for any impacts on the adjoining coastal areas on either side of the project site and shall implement appropriate corrective and mitigation measures immediately upon noticing any adverse effects.
4. The proponent should engage reputed institutes for continuous monitoring of environmental impact, both during the construction & operation phase and the reports should be submitted to TNSCZMA / Regional Office of MoEF & CC, every six months.
5. The Shoreline monitoring study should be conducted by a reputed institute and the report should be submitted to TNSCZMA and DCZMA, biannually.
6. Recommendation of various studies conducted by various institution as per TOR condition to be strictly followed.
7. Adequate safeguards shall be provided to prevent spillage or leakage of hydrocarbons and chemicals during handling and transfer operations, and own Marine Oil Spill Contingency Plan shall be prepared and implemented.
8. A detailed Emergency Action Plan (EAP) shall be prepared, specifying immediate response measures, available equipment, and trained personnel for handling leakage, fire, or any other potential hazards.
9. The proponent shall be strictly ensured that the existing monitoring mechanism is sufficiently robust to prevent any adverse incident.
10. The brine discharge from the desalination plant must comply with CPCB standards and be disposed off in a manner no impact on the marine environment, particularly on marine life.
11. Construction materials and waste must not be dumped into the Uppanar River. A proper disposal plan must be developed and followed in compliance with environmental regulations.
12. A continuous air pollution monitoring should be undertaken in the project area so as to implement corrective, mitigation measures immediately on noticing of any adverse impact.
13. The project activity shall not disturb the surrounding coastal and marine ecosystems, including flora and fauna.
14. As committed by the Proponent, a voluntary contribution of Rs. 1,00,00,000/- (Rupees One Crore only) shall be deposited to the Tamil Nadu Marine Resources Foundation (TNMRF) for conservation, mitigation and restoration of marine resources.

B. General conditions

1. No construction activity shall be started prior to obtaining CRZ clearance from the competent authority.

2. Groundwater extraction within CRZ areas is strictly prohibited under the CRZ Notification, 2011, and shall not be undertaken at any stage.
3. Project Proponent shall undertake the establishment only after getting the required Clearance from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.
4. The project proponent shall segregate the municipal solid waste generated as Bio Degradable and Non-Bio Degradable (Recyclable) and dispose the same scientifically as stipulated in Solid Waste Management (Amendment) Rules, 2020.
5. The project proponent shall adhere to the Construction and Demolition Waste Management Rules, 2018. The construction debris and other type of waste shall not be disposed off into the CRZ area or in the sea.
6. The Project Proponent shall strictly adhere to the Environmental Management Plan during both construction and operational phases to ensure minimal environmental impact.
7. The Consent to Establish, Consent to Operate shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
8. A Comprehensive Disaster Risk Management Plan shall be prepared and submitted, detailing strategies to mitigate risks associated with cyclones, flooding and storm surges, given the coastal vulnerability of the project location.
9. The project proponent is required to set up an Environment Management Cell to oversee and ensure the effective implementations of the recommendations outlined in the Environmental Management Plan included in the EIA report of the project.
10. Handling, storage, and transportation of hazardous chemicals through the jetty shall comply with all applicable safety regulations.
11. The Authority instructed that all the conditions imposed by the TNSCZMA and the DCZMA shall be strictly complied with.

(i) **Infrastructure Development Works for Blue Flag Beaches Phase II. (Project Proponent: Tamil Nadu Coastal Restoration Mission)**

The Environment, Climate Change and Forest Department has accorded administrative and financial sanction for the implementation of Blue Flag Beaches under the Tamil Nadu Sustainably Harnessing Ocean Resources and Blue Economy (TN-SHORE) project, supported by the World Bank (G.O. Ms. No.11 dated 10.01.2024 and G.O. (Ms) No. 130 dated 14.07.2025). The National Centre for Sustainable Coastal Management (NCSCM) has prepared the DPRs, including site assessments and baseline ecological evaluations.

Observations & Specific Conditions of the TEC:

The TEC reviewed the proposal in light of the MoEF & CC Notification S.O. 125(E) dated 09.01.2020, which permits specific activities for Blue Flag certification in CRZ areas. The Committee recorded the following observations and specific conditions:

1. **Site-Specific Planning:** Infrastructure design shall be based on site-specific topographic, ecological, and coastal vulnerability assessments. Micro-level planning is mandatory to minimize ecological disruption and ensure sustainable visitor management.
2. **Siting and Zonation:** All interventions must be confined to permissible CRZ-II and CRZ-III areas. A **mandatory buffer of 10 meters from the High Tide Line (HTL)** shall be maintained for all permanent and semi-permanent structures as per the Notification.
3. **Eco-Friendly Infrastructure:** The use of prefabricated, modular, and non-concrete structures—such as bamboo-clad toilet blocks, container-based changing rooms, and thatched-roof shelters—is mandatory to reduce the construction footprint.
4. **Pathways and Universal Accessibility:** Walkways shall use eco-sensitive materials (e.g., wooden planks, interlocking tiles) that allow natural sand movement. Universal design features (ramps, tactile surfaces) must be incorporated.
5. **Biodiversity Conservation:** Sand dunes, turtle nesting sites, and ecologically sensitive areas must be strictly preserved. **Buffer zones** with bio-fencing shall be established.

6. **Lighting Design:** Lighting shall strictly comply with **turtle-friendly guidelines**. Solar-powered, low-height, shielded **amber/red LED bollards** that prevent glare toward the sea must be used.
7. **Solid Waste Management:** Implementation of dual-compartment stainless steel bins, onsite composting units for organic waste, and a waste management enclosure with linkages to TNPCB-authorized recyclers is required.
8. **Water and Sanitation Facilities:** Toilet blocks must feature **bio-digester systems** and water-saving fixtures. Treated greywater shall be reused for landscaping (Zero Liquid Discharge). Purified drinking water kiosks must be installed.
9. **Energy Efficiency:** Rooftop or standalone **solar photovoltaic systems** shall be provided to meet power requirements. Backup systems should utilize battery storage solutions instead of diesel generators.
10. **Visitor Amenities:** Provision for thatch-based sit-out umbrellas, recliner chairs, shaded benches, and informative signage boards must be included, ensuring aesthetic harmony with the beach environment.
11. **Disaster Resilience and Safety:** Infrastructure must be disaster-resilient, incorporating flood control measures and emergency evacuation plans. Life-saving equipment (Rescue tubes, jackets) and early warning systems must be deployed.
12. **Traffic and Parking Management:** No permanent vehicular roads shall be constructed within active beach zones. Parking shall be arranged outside CRZ-I areas. Electric shuttle services connecting parking zones to beach amenities may be provided to reduce vehicular pollution.
13. **Community Participation:** Local communities shall be actively engaged in beach maintenance, lifeguard services, and eco-tourism operations. Capacity building and training modules aligned with Blue Flag standards shall be conducted.
14. **Beach Management Committee (BMC):** A BMC shall be constituted for each beach, comprising representatives from the local government, community members, and NGOs to oversee operations and ensure continuous compliance.
15. **Monitoring and Periodic Assessment:**
 - a. **Shoreline Monitoring:** The implementing agency shall conduct periodic monitoring of shoreline dynamics to evaluate coastal stability and erosion trends.
 - b. **Water Quality, Safety & Risk Assessment:** Water quality testing, safety audits, and risk assessments shall be conducted periodically by accredited institutions strictly in accordance with **FEE Blue Flag protocols**.

With the above observations, the TEC recommends the proposal for further consideration by the TNSCZMA, subject to strict adherence to CRZ Notification provisions, Blue Flag Certification requirements, and environmentally sustainable design principles.

Decision / Remarks of Tamil Nadu State Coastal Zone Management Authority

The NCSCM presented site-specific feasibility assessments for Phase II blue flag beach sites addressing key parameters including:

- Coastal Regulation Zone (CRZ) classification and sensitivity,
- Marine water quality,
- Biodiversity and ecological indicators (e.g., turtle nesting beaches, sand dunes, seagrass beds etc.), and
- Safety, disaster risk reduction, and bathing area risk management.

The Authority considered the proposal and issued the following observations and recommendations. The proposal is recommended for implementation, subject to strict adherence to the CRZ Notification, 2011 and subsequent amendments, particularly S.O. No. 125(E) dated 09.01.2020. In addition, the following specific conditions must be complied with by the Project Proponent:

1. **CRZ Compliance Monitoring:** A high-resolution digital boundary map of the project area shall be prepared using DGPS, validated by NCSCM. This shall be used for accurate demarcation and real-time monitoring of CRZ compliance during both construction and operational phases.
2. **Beach Cleanliness and Maintenance:** The Project Proponent shall ensure that the entire stretch of the beach, including areas outside the core project zone, is maintained in accordance with the Blue Flag criteria, including regular cleaning, waste removal, and environmental upkeep.
3. **Use of Eco-friendly Materials:** All infrastructure shall prioritize non-concrete, modular, and eco-sensitive construction materials, such as bamboo, treated timber, and container-based units. This shall be done in consultation with NCSCM to minimize ecological footprint and align with sustainability standards.
4. **Green Buffer and Bio-Fencing:** Bio-fencing using native salt-tolerant species (shrubs, hedges) shall be installed along project perimeters to enhance natural aesthetics and prevent coastal erosion, as part of a landscape restoration and dune conservation strategy.
5. **Protection of Turtle Nesting Habitats:** All construction must be carried out in such a way that turtle nesting grounds are not disturbed. A comprehensive Turtle Nesting Management Protocol, including seasonal lighting restrictions and access

control, must be developed by agencies such as NCSCM and implemented at all sites.

6. **Restriction on Vehicular Movement:** No permanent vehicular roads shall be constructed within the beach area. Only designated access paths and pedestrian boardwalks made from removable and permeable materials shall be permitted.
7. **Information and Safety Signage:** Aesthetically designed digital display boards, including Blue Flag certification criteria, eco-educational content, and safety protocols (e.g., red flags, lifeguard instructions, no-swim advisories), shall be installed prominently along the beach to ensure public awareness and behavioural compliance.

The TNSCZMA recommends the implementation of the Blue Flag Beach Infrastructure Development for Phase-II projects, subject to full compliance with the CRZ Notification, 2011, S.O. 125(E)/2020, and the above-stated environmental safeguards and design conditions. The Authority also emphasized that all site-specific activities must be preceded by appropriate CRZ clearances and continuous oversight must be ensured through a designated Beach Management Committee (BMC) at each site.

(ii) Proposal to engage manpower for TNSCZMA through an external manpower agency instead of direct contract appointment

The Authority directed that a tender be invited for appointing a manpower agency for TNSCZMA.

Sd./- xxxx

**Thiru A.R. Rahul Nadh, I.A.S.,
Member Secretary,
Tamil Nadu State Coastal Zone
Management Authority &
Director, Department of Environment &
Climate Change,
Chennai - 600035.**

Sd./- xxxx

**Tmt. Supriya Sahu, I.A.S.,
Chairperson, Tamil Nadu State Coastal
Zone Management Authority and
Additional Chief Secretary to Government,
Environment, Climate Change &
Forest Department,
Secretariat, Chennai - 9.**