

## **MINUTES OF THE 303<sup>rd</sup> MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 20<sup>th</sup> July, 2022**

The 303<sup>rd</sup> meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 20<sup>th</sup> July 2022 through Video Conferencing due to the prevalent pandemic situation. The list of Members presents in the EAC (CRZ) is at **Annexure.**

The deliberations held and the decisions taken are as under:

### **3.0 CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

The Committee has noted that the Minutes of the 301<sup>th</sup> meeting held on 6<sup>th</sup> July, 2022 are in order and confirmed the same with suggestions that in case any typographical / grammatical errors are noticed in due course, the same may be corrected suitably.

### **3.0 CONSIDERATION OF PROPOSALS FOR CRZ CLEARANCE**

#### **Item No. 3.1**

**Revival of Marine Oil Terminal (MOT) Tank Farm at Jawahar Dweep (Butcher Island), Mumbai by M/s Bharat Petroleum Corporation Ltd (BPCL)-CRZ Clearance regarding [IA/MH/CRZ/270293/2022] [F.NO.11/23/2022-IA.III]**

*“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”*

The proposal is for CRZ Clearance to the project for Revival of Marine Oil Terminal (MOT) Tank Farm at Jawahar Dweep Island (Butcher Island), Maharashtra by M/s Bharat Petroleum Corporation Ltd.

2. On examination of the documents provided by the project proponent it was observed that the same installation witnessed massive fire in 2017 and considering that there are a number of high risk installations nearby, the currently provided risk assessment and mitigation measures adopted are grossly inadequate. Thus, a revised cumulative risk assessment including oil spill dispersal model and its impact on adjoining mudflats and migratory birds and vapour cloud dispersal model required to be done along with state of art hazard mitigation model before the matter can be heard further. The proposal was thus deferred for the need of the revised risk assessment and mitigation reports.

#### **Item No. 3.2**

**Construction of training walls in the Northern and Southern sides of Ennore Creek/Inlet (South Side of M/s KPL Ltd.) and deepening the Kosasthalaiyar River mouth for the sustainable opening of River mouth in Thiruvottiyur Taluk, Tiruvallur District, Araniyar Basin Division, Chepauk, Tamil Nadu by Water Resources**

***“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”***

1. The project proponent and their consultant made a detailed presentation of salient features of the project and informed that:
  - (i). The proposal is for CRZ clearance to the project for Construction of training walls in the Northern and Southern sides of Ennore Creek/Inlet (South Side of M/s KPL Ltd.) and deepening the Kosasthalaiyar River mouth for the sustainable opening of River mouth in Thiruvottiyur Taluk, Tiruvallur District Araniyar Basin Division, Chepauk, Chennai, Tamil Nadu by Water Resources Department, Government of Tamil Nadu.
  - (ii). The Ennore Creek is a backwater located in Thiruvallur District, Tamil Nadu. The Araniyar River enters the Creek's Northern edge below Lake Pulicat and the Kosasthalaiyar River and the surplus course of the Puzhal Lake enters the Creek on the Southern side. The Ennore Creek is the primary source of livelihood for six fishing villages (Mugathuvara Kuppam, Kaatu Kuppam, Sivanpadaiveethi Kuppam, Nettu Kuppam, Thazhan Kuppam and Ennore Kuppam).
  - (iii). The Seasonal circulation in the Bay of Bengal influences currents in the coastal waters. Currents move along the coast towards the North from March to October and move southwards from November to February. This phenomenon is also responsible for the sediment transport / littoral drift, which results in net sedimentation on the Southern side of any structure built on the coast.
  - (iv). The fishermen enter the sea travelling through Ennore Creek for fishing activity. Due to sediment transport rate and prevailing weather condition, sand bar is naturally closing the water flow in Ennore Creek, hampering the smooth movement of vessels, fishing activity and aquatic species.
  - (v). The Ennore Creek mouth remains closed almost throughout the year due to sand bar formation. This phenomenon is typical of the rivers on the East-coast of India due to along shore sediment processes. Due to periodical mouth opening, there is limited exchange at the creek mouth with the Sea waters of Bay of Bengal.
  - (vi). To comply with the Special Condition A. (ii) “Groins and other suitable structures should be constructed to prevent the closing of the mouth of Ennore Creek”, as laid by MoEF, Gol, New Delhi Letter No. 10-28/2005 IA-III, dated: 19/05/2006 while according Environmental Clearance for the development of Terminals for Marine Liquids, Coal, Iron and Containers in Second Phase and associated Capital deepening at Ennore Port (Now, M/s Kamarajar Port Limited).
  - (vii). Further, the MoEF, Gol, in Letter No. 10-28 / 2005 IA-III, dated:10/09/2007 and 10-28/2005 IA-III, dated:24.12.2014, had re-iterated to comply with all the conditions as prescribed in earlier Clearance Letter No. 10-28/2005 IA-III, dated: 19/05/2006, when M/s Kamarajar Port Limited, Chennai, had applied for further expansion and

Modernisation of existing handling of Multi cargo container terminal at Kamarajar Port (formerly known as Ennore Port) in the Ennore Port Expansion Proposals.

(viii). The coordinates of project as:

Training Walls	Starting Point	Ending Point
Northern Training Wall	13°14'7.5475"N 80°20'11.0497"E	13°14'7.9148"N 80°19'54.6221"E
Southern Training Wall	13°13'58.9445"N 80°20'6.0748"E	13°13'53.4149"N 80°19'54.1196"E

Point 1	13°14'9.12"N 80°19'56.58"E	Point 4	13°13'53.39"N 80°19'42.34"E
Point 2	13°13'57.12"N 80°19'55.90"E	Point 5	13°14'5.83"N 80°19'37.78"E
Point 3	13°13'56.72"N 80°19'52.55"E	Point 6	13°14'7.89"N 80°19'41.54"E

(ix). As per CRZ Notification 2011, the Institute of Remote Sensing, Anna University, Chennai, has prepared the CRZ Map as per approved CZMP w.r.t. CRZ Notification 2011. The CRZ area details as:

S. No.	CRZ Zone	Project Components	Permissibility as per CRZ Notification, 2011
1.	CRZ - IB	Northern Training Wall	3 (iv) (d)
2.	CRZ - IVA		
3.	CRZ - IVA	Southern Training Wall	

(x). No National Park / Wildlife Sanctuary / Reserve / Protected Forest within 10 Km radius of the project.

(xi). The training Wall details are as under:

Location of Training Walls	:	Kosasthalaiyar River Mouth / Ennore Creek, Thiruvottiyur Taluk of Thiruvallur District, Tamil Nadu
North Training Wall Length	:	503m
South Training Wall Length	:	403m
Crest Width	:	5m
Length of the Deepening	:	Phase-I - 550m Phase-II - 1450m
Depth	:	(-)2.00m
Deepening Quantity	:	Phase-I - 5,30,300m <sup>3</sup> Phase-II - 10,69,700m <sup>3</sup>

CRZ Classification of the project	:	<ul style="list-style-type: none"> <li>Northern Training Wall - CRZ-IB – (area between Low tide line (LTL) and high tide line (HTL) and CRZ-IVA (The water area and the sea bed area between the Low Tide Line upto twelve nautical miles on the seaward side)</li> <li>Southern Training Wall - CRZ-IVA</li> </ul>
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(xii). The length of training walls at different depths as:

S.No	Contour Intervals (w.r.to CD)	Northern Training wall (Length in m)	Southern Training wall (Length in m)
1	2.5 to 2m	37	
2	2 to 1.5m	36	
3	1.5 to 1m	30	
4	1 to 0.5m	27	
5	0.5 to 0m	28	
6	0 to -0.5m	28	8
7	-0.5 to -1m	30	23
8	-1 to -1.5m	31	19
9	-1.5 to -2m	32	29
10	-2 to -2.5m	34	43
11	-2.5 to -3m	34	57
12	-3 to -3.5m	29	46
13	-3.5 to -4m	57	55
14	-4 to -4.5m	52	102
15	-4.5 to -5m	15	18
16	Head section	3	3
<b>Total Length</b>		<b>503</b>	<b>403</b>

(xiii). The sand material dredged from the deepening activity will be disposed off to the South side of proposed Southern Training Wall near Nettukuppam and Thazhankuppam Villages for protection from sea erosion:

Details	Nettukuppam & Thazhankuppam	North of Kosasthalaiyar River Mouth	From North of Fishing Harbour upto Ernavoorkuppam	From South side of Southern Training wall upto Chinnakuppam
Quantity	36786m <sup>3</sup>	279785m <sup>3</sup>	778210m <sup>3</sup>	279785m <sup>3</sup>
Area	30655m <sup>2</sup>	111914m <sup>2</sup>	311284m <sup>2</sup>	111914m <sup>2</sup>
Avg. Depth	1.20m	2.50m	2.50m	2.50m
No. of Lorry loads	-	15692 Loads	43646 Loads	15692 Loads
Assuming No. of	-	180 days	240 days	180 days

conveyance days				
No. of loads / day	-	87 loads	182 loads	87 loads

- (xiv). The benefit of project implementation: Sand deposition at the Ennore Creek Mouth would be reduced from 3,34,950m<sup>3</sup> to 28,000m<sup>3</sup> annually (i.e., reduces to about 8.5%), thereby reducing the maintenance dredging cost.
- (xv). The total Cost of Project is ₹121.80 Crores. The EMP cost during construction phase ₹42 lakhs per annum and Environmental Monitoring for Marine Ecology, soil, Air & Noise, etc. Cost is ₹20 lakhs per annum.
- (xvi). The Tamil Nadu Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 8508/EC-3/2022-1 dated 20/06/2022.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal and noted that due to location of Major port in the area and prevailing currents in the Bay of Bengal, sediment transport / littoral drift occurs, which result in sedimentation on the coast and river mouth. The Committee noted that the fishermen enter the sea through the Ennore Creek for fishing activity. The sand bar is formed at mouth due to interaction of littoral drift along the coast and reduction the tidal prism causing in reduction in water flow into the creek, hampering the smooth movement of vessels, fishing activity and marine species due to higher salinity. The Committee also observed that the project is important for flood mitigation during NE monsoon, as many areas adjoining creek are flooded due to closure of mouth/inlet of creek.

As per the CRZ Notification 2011, para 3 (iv)(d) “Measures to prevent sand bars, installation of tidal regulators, laying of storm water drains or for structures for prevention of salinity ingress and freshwater recharge” is a permissible and regulated activity.

***The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to the following conditions:***

- (i). All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (ii). No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (iii). Salinity, Water Quality and Marine Ecology in creek to be monitored before and after opening of mouth for period not less than 3 years through reputed national institute
- (iv). A comprehensive study on fisheries should be conducted through reputed national institute in the creek upto place of tidal ingress and reported. Changes in the fishery pattern also need to be studied for a period not less than 3 years. .

- (v). The utilization of dredged material / sand shall be in accordance with the prevailing rules and regulations. Shoreline changes to be monitored on either side of training jetties and mitigation measures to be taken up, if significant impacts are noticed.
- (vi). Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (vii). All the conditions stipulated by the Tamil Nadu Coastal Zone Management Authority for CRZ clearance *vide* its letter No. 8508/EC-3/2022-1 dated 20/06/2022, and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
- (viii). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **Item No. 3.3**

**Construction of Curved Training Walls (Groynes) in the Northern and Southern sides of Cooum River Mouth (Eastern side of Regulator) and allied works for the sustainable opening of Cooum River Mouth in Chennai District, Araniyar Basin Division, Chepauk, Chennai, Tamil Nadu by Water Resources Department, Government of Tamil Nadu - CRZ Clearance [IA/TN/CRZ/281380/2022] F. No.11/25/2022-IA.III**

***“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”***

1. The project proponent and their consultant made a detailed presentation of salient features of the project and informed that:
  - (i). The proposal is for CRZ clearance to the project for “Construction of Curved Training Walls (Groynes) in the Northern and Southern sides of Cooum River Mouth (Eastern side of Regulator) and allied works for the sustainable opening of Cooum River Mouth” in Chennai District, Tamil Nadu by Water Resources Department, Government of Tamil Nadu.
  - (ii). The Cooum River is one such water body which originates in Cooum village in Thiruvallur District, about 72 Km away towards West, from Chennai.
  - (iii). The State of Tamil Nadu in order to improve the ecological conditions of rivers and water bodies created CRRT (Chennai Rivers Restoration Trust) and gave way to inception of project involving the Eco-restoration of Cooum River called as Integrated Cooum River Eco-restoration project (ICRERP).
  - (iv). M/s Chennai Rivers Restoration Trust (CRRT) had obtained CRZ Clearance for Integrated Cooum River Eco-restoration Project from Ministry of Environment, Forests and Climate Change, vide, F. No. 11-15/2016-IA-III Dt: 28/06/2017.

- (v). During restoration work, Water Resources Department (WRD), had observed that, the bed levels of Cooum River have already been below the mean sea level and expressed that further desilting in the CRZ stretch may not be required as without having the sustainable river mouth opening, desilting in that stretch would not be useful because of the continuous formation of sand bar at the River Mouth.
- (vi). As per WRD suggestion, CRRT had accepted to provide a sustainable solution for the Cooum River mouth opening through an expert institute in the field of Ocean Technology.
- (vii). Subsequently, NIOT has been approached for conducting scientific studies in the above regard. After conducting detailed scientific studies, NIOT had recommended for 'Construction of Curved Training Walls (Groynes) in the Northern and Southern sides of Cooum River mouth (Eastern side of Regulator) and allied works for the Sustainable opening of Cooum River Mouth in Chennai District'.
- (viii). Institute of Remote Sensing, Anna University, Chennai, had prepared CRZ maps and described that the Training Walls Groynes falls partly inside CRZ-II, CRZ-IA, CRZ-IB and CRZ-IVA as per approved CZMP map prepared by NCSCM, Chennai, *vide*, CRZ Notification, 2011
- (ix). The proposed Northern Training wall has a total length of 265m, in which 155m extends into sea from 0.00m CD to (-)3.50m CD. The proposed Southern Training wall has a total length of 310m, in which 165m extends into sea from 0.00m CD to (-)3.50m CD.
- (x). The Northern and Southern Training Wall layouts were made such that they intersect each other at 140° and clear Toe-Toe spacing of 63m at the bottom and 122m at the top to facilitate flushing and high discharge during floods.
- (xi). The activity proposed for dredging and disposal: The Cooum River Mouth, North side and South side of Curved Training Walls are to be dredged to (-)2.00m with respect to CD.
- (xii). The Capital dredging is estimated to be 305000m<sup>3</sup> based on field surveys conducted. The dredged material of about 305000m<sup>3</sup> will be disposed off in following locations:
- Near Cooum River Mouth, Triplicane Village in Mylapore Taluk of Chennai District
  - Srinivasapuram area in Triplicane Village of Mylapore Taluk in Chennai District
  - Northern side of Royapuram Fishing Harbour area in Thiruvottiyur Taluk of Chennai District
  - Akkarai Village in Sholinganallur Taluk of Chennai District
- (xiii). The Proposed Northern Training Wall falls under CRZ-IB, CRZ-II & CRZ-IVA and Southern Training wall falls under CRZ –IA, CRZ-IB & CRZ-IVA as per CRZ notification, 2011. The extent of project area falling in CRZ Zone as:

Description	Total length(m)	Length of Groynes falling in CRZ zones (m)			
		CRZ-IA	CRZ-IB	CRZ-II	CRZ-IVA

Curved Training wall in Northern side of Cooum River mouth	265	-	88.3	22.9	153.8
Curved Training wall in Southern side of Cooum River mouth	310	100.7	3.7	-	205.6
<b>Total</b>	<b>575</b>	<b>100.7</b>	<b>92.0</b>	<b>22.9</b>	<b>359.4</b>

- (xiv). The impacts due to project implementation: Sand deposition at the Cooum River Mouth would be reduced from 1,75,00m<sup>3</sup> to 8,000m<sup>3</sup> annually (i.e., will be only about 4.57%).
- (xv). Improved tidal exchange / flushing would enhance the aquatic eco-system inside the Cooum River which traverses through 'Heart of Chennai City'.
- (xvi). It would help in establishment of Flora and Fauna by way of natural cycle.
- (xvii). This would help in effective discharge of Flood waters into sea during peak floods without inundating the inhabited areas of Chennai City adjacent to Cooum River.
- (xviii). About 4.73 Ha has been identified by the WRD for development of greenbelt where 4730 saplings will be planted. Provision has been made for Rs.35.00 Lakh and the plantation of trees shall be contributed to the Tamil Nadu Green Climate Mission.
- (xix). The total cost of the project is ₹70.00 Crores. The EMP Budget for the project is about 30.60 lakhs.
- (xx). An amount of ₹50.00 Lakhs has been provided especially for the 'Provision for Corporate Social Responsibilities' under which Social Developmental activities that benefit the local and surrounding Fishermen Community would be accomplished.
- (xxi). The Tamil Nadu Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 8509/EC.3/2022-1, dated 20/06/2022.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee noted that due to location of Major Port in the area and prevailing currents in the Bay of Bengal, sedimentation on the coast and river mouth occurs. The Committee observed that the bed levels of Cooum River have already been below the mean sea level and further desilting in the coastal stretch may not solve the purpose without having the sustainable river mouth opening, due to continuous formation of sand bar at the River Mouth. M/s NIOT has recommended for construction of curved training walls (Groyne) in the Northern and Southern sides of Cooum River mouth. The Committee also observed that the project is important for flood mitigation around the river shore, enabling the fishermen vessels to enter the sea and vice versa without any hindrances for making their daily bread and for lifting and improving the fishermen life style in that locality and enhance the water quality.

As per the CRZ Notification 2011, para 3 (iv)(d) "Measures to prevent sand bars, installation of tidal regulators, laying of storm water drains or for structures for prevention of salinity ingress and freshwater recharge" is a permissible and regulated activity.



***The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to the following conditions:***

- (ix). All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (x). No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (xi). Salinity, Water Quality and Marine Ecology in creek to be monitored before and after opening of mouth for period not less than 3 years through reputed national institute
- (xii). A comprehensive study on fisheries should be conducted through reputed national institute in the creek upto place of tidal ingress and reported. Changes in the fishery pattern also need to be studied for a period not less than 3 years
- (xiii). The utilization of dredged material/sand shall be in accordance with the prevailing rules and regulations. . Shoreline changes to be monitored on either side of training jetties and mitigation measures to be taken up, if significant impacts are noticed
- (xiv). Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (xv). The Tamil Nadu Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 8509/EC.3/2022-1, dated 20/06/2022, and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
- (xvi). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

#### **Item No. 3.4**

**Proposed development of Hotel, Resort and Recreational Activities at R.S.No.51/2, Pudukuppam Village, Poomankuppam Revenue Village, Ariyankuppam Commune Panchayat, Puducherry by M/s Jayaram Hotel Private Limited, Puducherry-CRZ Clearance [IA/PY/CRZ/281612/2022] [F.NO.11/28/2022-IA.III]**

***“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”***

1. The project proponent and their consultant made a detailed presentation of salient features of the project and documents submitted as:

- (i). The proposal is for CRZ clearance to the project for Development of Hotel, Resort and Recreational Activities at R.S.No.51/2, Pudukuppam Village, Poomankuppam

Revenue Village, Ariyankuppam Commune Panchayat, Puducherry by M/s Jayaram Hotel Private Limited.

(ii). The total land area is 24,500 Sq.m (6.05 Acres) and the total built up area is 8190.49 Sq.m.

(iii). The built up area details are as under:-

S. No	Block	Description	No. of floors	Plot coverage (Sq.m.)	No. of units	FSI Area (Sq.m)	Total Built up area (Sq.m)
1	<b>Admin &amp; Reception Building</b>	Ground floor (Reception, Back office rooms, Guest Toilets)	1	933	1	933	933
2	<b>Kitchen &amp; Restaurant</b>	Ground floor (Kitchen, Restaurant, Receiving Area), First Floor (Staff Meeting Hall)	2	783.98	1	1567.96	1,612.46
3	<b>Recreation Activity Block</b>	Play Area & Spa	1	681.03	1	681.03	681.03
4	<b>Other Building</b>	Utilities security, EB, Pump Room	1	89.16	3	89.16	89.16
<b>Room Details</b> 5	<b>Block -1 to 8</b>	Cottage/Villa Rooms:8	1	448.88	8	444.96	448.88
6	<b>Block -1</b>	Room :17	2	587.73	1	1239.24	1313.68
7	<b>Block -2</b>	Room :17	2	597.23	1	1220.24	1294.68
8	<b>Block -3</b>	Room :14	2	908.80	1	890.66	908.80
9	<b>Block -4</b>	Room :14	2	908.80	1	890.66	908.80
<b>Total Built up area</b>						7956.91	8190.49
<b>FSI Coverage (7937.91/24500)</b>						0.325	
<b>Non-FSI Coverage (Swimming Pool )</b>						233.58(105.6)	
<b>Plot Coverage (7937.91/24500)</b>						24.24%	

(iv). The proposed facility is located in CRZ-III area. The coordinates of the project is Latitude: 11°52'3.67"N Longitude: 79°48'59.51"E. The proposed project is not passing through any of the Eco Sensitive Zone, National Park and Sanctuaries.

(v). Daily water demand during the construction Phase is 9KDL, Operation Phase water demand is 58.88 KDL. Power Supply Construction Phase 350 KW -sourced from PED. Power Backup is 2x250kVA DG sets will be used as per requirement

- (vi). Municipal waste (domestic and or commercial wastes) Construction phase : Quantity : 22.5 Kg/day Operation Phase : Quantity : 22.5 Kg/day Disposal / treatment method- on site collection and handover to authorized vendor
- (vii). Employment Construction Phase: 50 Nos. Operation Phase: 290 Nos.
- (viii). The total cost of project is ₹ 30.2 crore.
- (ix). The Puducherry Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* letter No.576/DST&E/PCZMA/CRZ/CRL/SCI2022/36 dated 13/06/2022.

## **2. Deliberations in the EAC:**

The Committee made detailed deliberation on the proposal. The Committee suggested that the CRZ clearance for building construction shall be subject to local town and country planning rules with overall height of construction not exceeding 9 mts with Ground + one Floor. The Committee suggested that the PP shall develop greenbelt with native species suitable for the coast and shall also reduce electricity dependency from the power grid by using renewable energy sources. The PP submitted an undertaking stating that 10% of total electricity will be achieved through installation of solar panels in the resort. The PP also committed that 33% green belt shall be developed with native and wind resistant species and submitted an undertaking to that effect.

As per the CRZ Notification 2011, para 8 (i) III B(i) "Development of vacant plot in designated areas for construction of hotels or beach resorts for tourists or visitors subject to the conditions as specified in the guidelines at Annexure-III" is a permissible and regulated activity.

The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to the following conditions:

- (i). The construction shall be as per extant norms given at Annexure-III of the CRZ Notification, 2011 and as amended from time to time.
- (ii). The total covered area on all floors shall not exceed 33 percent of the plot size i.e., the Floor Space Index shall not exceed 0.33.
- (iii). The overall height of construction upto the highest ridge of the roof shall not exceed 9 metres and the construction shall not be more than Ground Floor + one Floor.
- (iv). Extraction of sand, leveling or digging of sandy stretches except for structural foundation of building, swimming pool shall not be undertaken within 500 metres of the High Tide Line. This as per Annexure-III of CRZ Notification 2011
- (v). Necessary arrangements for the treatment of the sewage and solid wastes must be made and it must be ensured that the untreated sewage and solid wastes are not discharged into the water or on the beach; and no sewage or solid waste shall be discharged on the beach.
- (vi). To allow public access to the beach, at least a gap of 20metres width shall be provided between any two hotels or beach resorts; and in no case shall gaps be less than 500 metres apart.
- (vii). No construction shall be allowed in NDZ areas of the CRZ-III.

- (viii). As committed, 10% of total electricity requirement shall be achieved through installation of solar panels in the resort.
- (ix). The open area of the project site shall be suitably landscaped with appropriate vegetal cover. The PP shall develop green belt in 33% of the plot area with native species.
- (x). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (xi). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (xii). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (xiii). The recommendation made by the Puducherry Coastal Zone Management Authority *vide* letter No. 576/DST&E/PCZMA/CRZ/CRL/SCI2022/36 dated 13/06/2022, shall be implemented in letter and spirit.
- (xiv). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

4. **Any other item with the permission of the Chair.**

The meeting ended with a Vote of Thanks to the Chair.

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**List of Members participated during the 303<sup>rd</sup> Expert Appraisal Committee (CRZ) Meeting through Video Conferencing (VC) held on 20<sup>th</sup> July 2022.**

<b>Sl. No.</b>	<b>Name of Members</b>	<b>Designation</b>
1.	Dr. Deepak Arun Apte	Chairman
2.	Shri Manmohan Singh Negi	Member
3.	Shri Sham Wagh	Member
4.	Shri S. Jeyakrishnan	Member
5.	Dr. Manoranjan Hota	Member
6.	Dr. M.V. Ramana Murthy	Member
7.	Dr. J. Chandra Babu	Member
8.	Prof V. K. Jain	Member
9.	Shri. R.P.S Verma	Member
10.	Dr. Niraj Sharma	Member
11.	Dr. H. Kharkwal	Member Secretary
12.	Dr. Nobi E. P	MoEFCC Scientist 'B'

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