

## **MINUTES OF THE 320<sup>th</sup> MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 7<sup>th</sup> FEBRUARY, 2023**

The 319<sup>th</sup> meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 7<sup>th</sup> February 2023 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:

### **1.0 OPENING REMARKS OF THE CHAIRMAN**

At the outset, Dr. Deepak Arun Apte, Chairman, EAC (CRZ) welcomed the Members of the EAC and requested Dr. H. Kharkwal, Member Secretary of the EAC to initiate the proceedings of the meeting with a brief account of the activities undertaken by the Ministry under CRZ Division.

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

The Committee having noted that the Minutes of the 319<sup>th</sup> meeting held on 17<sup>th</sup> January, 2023 are in order and confirmed the samewith suggestions that in case any typographical / grammatical errors are noticed in due course, the same may be corrected suitably.

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

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

**Proposal for installation of discharge of treated effluent system from integrated steel plant at JSW steel Ltd into Amba estuary at Dolvi, Tal. Pen, District Raigad by M/s JSW Steel Ltd- CRZ Clearance regarding [IA/MH/CRZ/288138/2022] [F.NO.11/7/2023-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 was earlier considered by the EAC (CRZ) in its 317<sup>th</sup> meeting held on 17<sup>th</sup> January, 2023 and Committee suggested that the PP shall circulate the EIA / EMP and other requisite documents to all EAC Members and accordingly deferred the proposal. The project proponent has now circulated all documents to the EAC and project placed before the Committee. The project proponent and their consultant made a detailed presentation of salient features of the project and informed that:

- (i) The proposal is for installation of discharge of treated effluent system from integrated steel plant at JSW Steel Ltd. into Amba Estuary at Dolvi, Tal. Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd.
- (ii) The project located in Village Dolvi, Raigad at Latitude: 18° 42' 16.30" N and Longitude: 73° 01' 41.40" E. and activity located in CRZ IV(B) area.
- (iii) Length of pipeline from shore to outfall point is 118m. Width of excavation for pipe laying is 2.5m. Therefore area of proposed activity is 295 Sq.m.
- (iv) M/s JSW Steel Ltd. has proposed to discharge treated effluent into Amba estuary in compliance to the specific condition no. iv of the environmental clearance amendment accorded by MoEFCC vide F. No. J-11011/76/2013-IA. II (I) dated 16<sup>th</sup> June 2020.
- (v) The specific condition no. iv in the aforesaid amendment clearance states that "The project proponent shall achieve zero liquid discharge (ZLD) at the end completion of all the facilities. In the meantime, the treated wastewater shall be discharged into sea after obtaining necessary permission/ clearance from the concerned regulatory authority."
- (vi) M/s JSW Dolvi executing expansion of its steel making capacity from 5 MTPA to 10 MTPA for which environmental clearance has been accorded by MoEFCC vide letter no J-11011/76/2013-IA II (I) dated 25<sup>th</sup> August 2015. Some facilities of the expansion program have been commissioned.
- (vii) Currently, the effluents generated from operating facilities are treated in individual effluent treatment plants and used in Coke and slag quenching. However, with commissioning of facilities like Coke Dry Quenching, gas based boilers and power plants surplus treated water about 615 m<sup>3</sup>/h will be generated after commissioning of all facilities by December 2025.
- (viii) A comprehensive ZLD unit with RO systems and evaporators will be installed and commissioned by December 2025. The ZLD system will thus be functional by December 2025, ensuring 100% reuse of wastewater and zero liquid discharge.
- (ix) Maximum plume dispersion is expected to 310 m in worst case scenario (considering 1057m<sup>3</sup>/h) as per the effluent dispersion modelling study carried out by NIO.
- (x) Fishing areas for the local fishermen are about 1000 m away from the proposed discharge location.
- (xi) Based on marine studies it is recommended that the treated effluents of 1057 m<sup>3</sup>/h having density 1001 kg/m<sup>3</sup> generated by the M/s JSW steel plant, Dolvi, may be released at Lat: 18° 42' 16.30" N; Long: 73° 01' 41.40" E through four port diffuser.
- (xii) The diffuser specifications are recommended as follows: Inner diameter of ports = 0.1766 m, No of ports = 4, Port elevation from sea bed = 0.5 m, Angle of port = 15°, Minimum distance between ports = 4.0 m, Jet Velocity = 3.0 m/s.
- (xiii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m<sup>3</sup>/h. However the planning for actual discharge is 615 m<sup>3</sup>/h. Type of pump - Vertical Centrifugal Pumps.
- (xiv) Discharge – Cross country pipeline laid along the existing conveyor feeding raw material to steel plant from M/s JSW Dharamtar Port. Final discharge location of

treated waste water as per the location decided by NIO through waste water dispersion modelling study. Online effluent analyser provided and connected to MPCB & CPCB.

- (xv) A comprehensive marine quality monitoring program shall include monitoring parameters of Water quality, Sediment quality and Flora & Fauna.
- (xvi) Approximately 10 KLD water will be required for drinking and construction purpose which will be sourced from existing water supply system. The JSW Steel Ltd has water supply approved from Irrigation Department of Government of Maharashtra.
- (xvii) Approximately 6 kg/day of domestic solid waste is estimated to be generated from labour. The solid waste will be disposed to authorized recycler.
- (xviii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057 m<sup>3</sup>/h. However the planning for actual discharge is 615 m<sup>3</sup>/h.
- (xix) M/s JSW steel, Dolvi has been carrying out Mangrove plantation since 2016 by involving local women community. In 2016-2017 it has planted 105000 plants; in 2017-2018 it has planted 3,00,000 plants. In 2018-2019 around 3,00,000 mangroves plantation is planned and in 2019-2020 it will plant another 3,00,000 mangroves.
- (xx) The Baseline Monitoring Locations:

Monitoring location	Station no	Geographic Co-ordinates
Amba Estuary mouth	1	18° 49' 59.16"N; 72° 56' 39.48"E
Patalganga estuary mouth	2	18° 48' 40.26"N; 72° 58' 29.94"E
Ganeshpuri	3	18° 46' 09.42"N; 72° 59' 35.34"E
RIL DP	4	18° 45' 08.58"N; 72° 59' 06.48"E
Dharamtar port	5	18° 42' 10.44"N; 73° 01' 42.60"E
Upper estuary	6	18° 36' 10.20"N; 73° 05' 08.82"E
Upper estuary	7	18° 32' 44.28"N; 73° 07' 46.26"E
Kasumata devi mandir	TS	18° 41' 43.00"N; 73° 01' 39.50"E

- (xxi) About 25 of employment likely to be generated by the project and estimated cost of the project is ₹22.3 Crores.
- (xxii) The Maharashtra Coastal Zone Management Authority intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011.
- (xxiii) The Maharashtra Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee noted that the proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by 2025. The Committee also noted that the MCZMA

recommended and intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The PP shall ensure that the treated effluent discharge into sea / marine outfalls as per the prescribed standards of by CPCB / SPCB. The Committee further also advised to PP forward immediately by e-mail to all EAC Members about the detail of the untreated and treated effluent quality of various parameters for the present effluent stream from the plant. The same has been submitted by PP *vide* e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes.

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) The proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by the end of year 2025 and dismantling the pipeline and all the associated infrastructure.
- (iii) The monitoring plan should be prepared for the automated water quality after discharge of treated water into Amba estuary and six monthly monitoring reports should be submitted to Regional Office of MoEFCC.
- (iv) M/s JSW Steel Ltd. should comply with the effluent dispersion modelling study carried out by the NIO in January 2019 to predict the maximum dilution of the treated effluent around the point of discharge in Amba Estuary.
- (v) M/s JSW Steel Ltd. should strictly ensure disposal of treated effluent discharge into Sea or marine outfalls to the prescribed standards of CPCB / SPCB.
- (vi) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (vii) Any temporary physical infrastructure setup and excavated material during laying of Pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
- (viii) No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.
- (ix) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (x) All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance 2011 *vide* its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022 and commitments made by the PP before the MCZMA and EAC shall be followed in letter and spirit.
- (xi) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **Item No. 3.2**

**Establishment of a new Lighthouse at Chandinipal, Dhamra of Bhadrak District by the Ministry of Port Shipping and waterways by M/s directorate of Lighthouse and Lightships, Kolkata-CRZ Clearance regarding [IA/OR/CRZ/285343/2022] [F.NO.11/34/2022-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 was earlier considered by the EAC (CRZ) in its 307<sup>th</sup> meeting held on 24<sup>th</sup> August, 2022. The Committee after detailed deliberations deferred the project and suggested that the PP shall submit additional information / inputs in respect of the following:-

- (i). The project proponent shall undertake alternate site analysis and identify alternate sites wherein light house and other associated activities are permitted as per the CRZ Notification, 2019 and shouldn't be located in flooding areas.
- (ii). Recommendation from Odisha CZMA as per CRZ Notification, 2019 on the alternate site.
- (iii). State CZMA may be asked to inform reasons for recommending prohibited activities in the Ecologically Sensitive Areas / CRZ IA.

2. The project was placed before the Committee based on the additional information / documents uploaded on Parivesh Portal and PP informed that:

- i. The proposed site for establishment of lighthouse was verified with the approved CZMP-2019 and found that the site falls in CRZ-IA ESA area due to the presence of Garmal PRF which was also mentioned in the CRZ study (1:4000 scale map) report carried out by the Anna University, Chennai.
- ii. When the site is verified with the land use map of that area, it is found that the site is demarcated as CRZ-IB (Inter-Tidal Area).
- iii. Odisha CZMA considered the proposal for grant of CRZ clearance based on the area as CRZ-I(B) classification after receipt of Forest Diversion NOC and recommended the proposal to MoEF&CC as it is located in CRZ-I area as per para 8(ii) (b) the approved CZMP-2019.
- iv. The proposal was earlier accorded CRZ clearance by MoEF&CC, Government of India vide letter No.11-119/2008-IA-III dated 26/10/2010 based on CRZ Notification, 1991, but the project could not be executed within the valid period due to delay in forest diversion process and after receipt of NOC (forest diversion) from Forest Department, Government of Odisha the project proponent applied for a fresh clearance as per CRZ Notification, 2019 as CZMP 2019 has been approved for Odisha State.

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

The Committee made detailed deliberation on the proposal. The Committee reiterated earlier decision that the proposed project site is located in CRZ IA area and such setting of light house is not a permitted activity as per the CRZ Notification, 2019 and shouldn't be located in flooding areas. The EAC also advised to PP to response Ministry letter dated 8<sup>th</sup> December 2022 that the OCZMA recommended the non-permissible activity of the said project as per CRZ Notification 2019 which also has not in line with the approved CZMP 2019. If a project location other than the CRZ IA area needs revision in approved CZMP 2019 and recommendation of OCZMA to need to be forwarded as per permissible activity of CRZ Notification 2019 and also revision in CZMP 2019 and the proposal is accordingly deferred.

### **Item No. 3.3**

#### **Proposal for Development of “Mangrove Cruise Route” along Kuppam River, Kannur the Director, Department of Tourism, Government of Kerala-CRZ Clearance regarding [IA/KL/CRZ/237781/2022] [F.NO.11/6/2022-IA.III]**

The proposal was earlier considered and deferred by the EAC in its 288<sup>th</sup> meeting held on 16<sup>th</sup> February, 2022 and 317<sup>th</sup> meeting held on 23<sup>rd</sup> December, 2022. The EAC desired additional information on the CRZ area status of Pazhayangadi wherein in a Boat Terminal is proposed shall be provided, recommendations of Kerala CZMA for the proposed activities in the CRZ area, details of the floating restaurant, its location, mobility, safety features, etc., revised /composite map of the proposed locations, non-permissible activity in NDZ area, if any, as per the extant norms of CRZ Notification, 2011 shall be relocated to permissible area / outside CRZ area and details shall be provided and the number of pillars should be minimum, as not to interrupt the water flow, without compromising safety and stability of the project, reply on representation received that the land reclamation process has been started prior to CRZ clearance for the floating restaurant on the project and undertaking from Head of the Organisation that no activity / construction / expansion has since been taken up. The project proponent has now submitted all documents as desired by EAC and placed before the Committee. The project proponent and their consultant submitted reply on additional information desired by EAC earlier and made a detailed presentation of salient features of the project and informed that:

- i. The proposal is for CRZ clearance to the project for Development of Mangrove Cruise Route along Kuppam River of Kannur District, Kerala by the Department of Tourism, Government of Kerala.
- ii. The proposed project is a part of the Establishment of Malanad Malabar River Cruise Tourism Project. The associated facilities for the cruise route are planned at eight locations along the banks of Kuppam River, which falls in the CRZ area.
- iii. The proposed cruise route passes from Pazhayangadi to Kattampalikkadavu. Thus, the boarding point of the cruise will be at Pazhayangadi and the destination point will be at Kattampalikkadavu. The salient features of the proposed cruise tourism is to explore village life, inland fishing, serene riverine features etc.
- iv. The total length of the cruise route is about 30.18 km. The total cost of the project is ₹17.60 crores.

v. Details of proposed locations are given below:

S. No	Location	Survey/No	Taluk	Village	District
1	Pazhayangadi	114/7B	Talipparamba	Madayi	Kannur
2	Pazhayangadi Muttukandi	120/1	Talipparamba	Ezhome	Kannur
3	Thavam	2	Talipparamba	Cherukunnu	Kannur
4	Cherukunnu	331/9A,331/3	Talipparamba	Cherukunnu	Kannur
5	Pattuvam Muthukuda	254/1	Talipparamba	Pattuvam	Kannur
6	Pattuvam Mangalasseri	436/1	Talipparamba	Pattuvam	Kannur
7	Kuppam	33/1, 33/2, 34 (b), 34/10	Talipparamba	Talipparamba	Kannur
8	Kattampallykkadavu	132	Talipparamba	Kooveri	Kannur

vi. The vessel details of proposed Mangrove Cruise Route are as :

Vessel	Length (m)	Breadth (m)	Draft (m)	Passenger Capacity
Freedom	12.518	2.914	0.50	25
Marivillu	12.518	2.914	0.50	25
Kopravallam	12.00	2.50	0.27	10

vii. The details of project facilities at different location along with Built Up Area:

Sl. No	Location	Proposed Facilities	Built up area (sq.m)	CRZ area
1	Pazhayangadi	Boat Terminal	563.00	CRZ IB, CRZ III, CRZ IVB
2	Pazhayangadi Muttukandi	Boat race Gallery(Solar lamps-26no.s)	1188.00	CRZIA(50 m mangrove buffer), CRZ IB, CRZ IVB
		Pearl Spot Floating Restaurant	275.00	CRZ IB, CRZ IVB
3	Thavam	Boat Jetty Type C	87.00	CRZ IB, CRZ IVB
4	Cherukunnu	Minor Boat Terminal	114.00	CRZ IB, CRZ

		Type B		IVB
5	Pattuvam Muthukuda	Boat Jetty Type C	87.00	CRZ IB,CRZ IVB
		Erumadam	16.00	CRZ IVB
6	Pattuvam Mangalasseri	Major Boat Terminal	157.83	CRZ IVB
7	Kuppam	Major Boat Terminal (Jetty 1)	145.50	CRZ IVB
		Major Boat Terminal (Jetty 2)	84.70	CRZ IVB
		Erumadam	16.00	CRZ IVB
		Biotoilet and Septic tank	32.24	CRZ II
		Natural Rough Paving Stone Paved Parking Yard - 10000sqft	735.74	CRZ II
8	Kattampallykkadavu	Boat Jetty Type A	94.72	CRZ IVB

- viii. The proposed project layout was superimposed on the approved CZMP of the 1:4000 scale map, which was duly prepared by NCSCM Chennai.
- ix. The proposed project / activities are permissible as per para 3(i)(a) and 4 (i) (f) of the CRZ Notification, 2011
- x. The Kerala Coastal Zone Management Authority has recommended the proposal for clearance *vide* its letters No: 1673/A2/20/KCZMA, dated 16/07/2021 and letter No. 1816/A2/2022/KCZMA, dated 26/09/2022.

## 2. Deliberations in the EAC:

The Committee made a detailed deliberation on the proposal. The Committee noted that the non-permissible activity proposed in the NDZ area has been excluded and relocated to permissible / outside CRZ area. The Committee also accepted the recommendation of Kerala CZMA for the proposed activities in the CRZ area as per CRZ Notification 2011. The project proponent has also submitted an undertaking to this effect. The Committee found the additional information submitted by the project proponent to be satisfactory.

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

- (i). All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011 and as amended from time to time.



- (ii). The project proponent shall ensure natural flow of the creek / river water in the project site.
- (iii). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (iv). No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of work.
- (v). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vi). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (vii). The layout of the completed cruise route to be marked and submitted to regional office as part of compliance report
- (viii). All the conditions stipulated by the Kerala Coastal Zone Management Authority for CRZ clearance *vide* its letter No: 1673/A2/20/KCZMA dated 16/07/2021 & letter No. 1816/A2/2022/KCZMA, dated 26/09/2022 and commitments made by the PP before the CZMA and EAC shall be followed in letter and spirit.
- (ix). 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**

**Proposal for Construction of M/s Royal Palms the Beach Resorts at Sy. No.430, Ramapuram Area, Khthapet Village, Vetapalem Mandal, Chirala, Praksam District, Andhra Pradesh by M/s Royal Palms The Beach Resorts-CRZ Clearance regarding (IA/AP/CRZ/149760/2022) (F.No.11/40/2022-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 was earlier considered by the EAC (CRZ) in its 309<sup>th</sup> meeting held on 10<sup>th</sup> October, 2022 and Committee suggested that the PP should submit revised location of CRZ 1:4000 map prepared by authorized institute by MoEFCC and also suggested submit the greenbelt development with native species in NDZ CRZ-III area along with how to reduce electricity dependency from the power grid by using renewable energy sources and accordingly deferred the proposal. The project proponent has now submitted all documents as desired by EAC and placed before the Committee. The project proponent and their consultant submitted reply on additional information desired by EAC earlier and made a detailed presentation of salient features of the project and informed that:

1. The project proponent made a detailed presentation of salient features of the project and informed that:

- (i). The M/s Royal Palms the Beach Resorts is proposing for construction the Beach Resorts at Sy. No. 430, Akkayapalem Grampanchayath, Ramapuram Village Area, Kothapeta of Vetapalem Mandal, Prakasam District, Andhra Pradesh.
- (ii). The proposal is for CRZ clearance to the project for construction of Beach Resort in an area of 3.66 Acres with built up area of 3929.80 Sq.m. with intends to construct Main Block Rooms, Cottage Block, Restaurant, Swimming Pool and SPA with building height 9 meter. The greenbelt and open space area is about 10881.61 Sq.m.
- (iii). The proposed project site is located within 500m from Bay of Bengal which comes under CRZ-III category at Latitude 15°46'34.78"N and Longitude 80°22'38.65"E.
- (iv). Proposed building layout as provided falls outside NDZ i.e. 200m from HTL of Bay of Bengal as per approved CZMP prepared by NCSCM, Chennai as per CRZ Notification 2011 and fully inside 500m setback line (CRZ III).
- (v). Development of beach resorts or hotels in the designated areas of CRZ-III for occupation of tourist or visitors is a permissible activity, subject to the conditions as per Annexure-III of CRZ Notification, 2011, with prior approval of the Ministry of Environment, Forests and Climate Change
- (vi). As per paragraph I(i) of Annexure. III of CRZ Notification, 2011, the total plot size shall not be less than 0.4 hectares and total covered area on all floors shall not exceed 33% of the plot size. In the present proposal, the site is 3.66 acres (1.481 ha.) and the total built-up area is 3929.80 Sq.m (0.4 ha.).
- (vii). The total water requirement is about 77 KLD i.e. fresh water requirement: 46 KLD (Panchayat supply), Recycled water: 31 KLD. (S.T.P Treated).
- (viii). The total Solid waste: Garbage 186 Kg/day, STP Sludge 10.0 Kg/day, E-waste 157.08 Kg/year, used batteries 5 No's/year and used oil 100 Lit/year and segregation at source into Bio-degradable & Non Bio-degradable. Biodegradable waste sent to OWC and product is used as manure and disposed as per SWM Rules 2016. The area provided for Segregation, Storage & OWC is 40 Sqm.
- (ix). The total cost of project is ₹20.0 Crore, 80.0 Lakhs proposed for Environment Management Plan and 30.0 Lakhs cost incurred during operation period.
- (x). The Andhra Pradesh Coastal Zone Management Authority *vide* its letter No. 166/CRZ/Resort/2020/597, dated 02/03/2021 has recommended the project for CRZ clearance.

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

The Committee made detailed deliberation on the proposal. The Committee noted that the PP has submitted revised location of CRZ 1:4000 map prepared by Institute of Remote Sensing, Anna University, authorized institute by MoEFCC and found in order. As per the CRZ Notification 2011, para 8 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 also 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. Temporary structures not permitted as per the notification in the NDZ areas shall not be constructed in the CRZ area.

The EAC suggested that for selection of plants for greenbelt development with native species in NDZ CRZ-III should be consult the local Forest Department and also advised to PP forward revised greenbelt plant species immediately by e-mail to all EAC Members. The same has been submitted by PP *vide* e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes. The Committee found the additional information submitted by the project proponent to be satisfactory.

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). No construction shall be allowed within 200 meter from HTL (NDZ area) in CRZ III area, 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). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (v). No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of work.
- (vi). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vii). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (viii). The recommendations made by the Andhra Pradesh Coastal Zone Management Authority *vide* its letter No. 166/CRZ/Resort/2020/597, dated 02/03/2021 and commitments made before the EAC shall be implemented in letter and spirit.
- (ix). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **Item No. 3.5**

**Proposal for Construction of Beach Park at Sy.No.331 of Suryaraopeta, Tammavaram Village, Kakinada Rural Mandal, Kakinada, East Godavari District, Andhra Pradesh by Godavari Urban Development Authority(GUDA)-CRZ Clearance regarding [IA/AP/CRZ/254454/2022] [F.No.11/4/2022-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 was earlier considered by the EAC (CRZ) in its 288<sup>th</sup> meeting held on 16<sup>th</sup> February, 2022 and deferred the project submit and suggested submit on the details of the total built up area in the proposed project, SCZMA recommendation shall clearly mention the permissibility of the activity, mentioning para / clause as per the CRZ Notification, 2011, the detail the approving authority (MoEFCC or SIEAA), the area is already defined for decommissioned aircraft and it appears that the aircraft has also been placed in the proposed project site, which falls within No Development Zone upto 200m from HTL (CRZ – III). The EAC also desired that the all the facilities / activities to be mapped on 1:4000 scale with details of facilities falling under NDZ and Non NDZ areas, Disaster Management Plan (DMP) as the project is located in CRZ-III and cyclone prone area. The project proponent has now submitted aforesaid reply / documents on Parivesh Portal and same also circulated all documents as desired by EAC and placed before the Committee.

The project proponent and their consultant made a detailed presentation of salient features of the project and informed that:

- (i) The proposal for Construction of Beach Park at Sy.No.331 of Suryaraopeta, Tammavaram Village, Kakinada Rural Mandal, Kakinada, East Godavari District, Andhra Pradesh by M/s Godavari Urban Development Authority(GUDA).
- (ii) The total site area is acres (12140.6 Sq mts) and the built up area is less than 20,000 Sq.m. and hence the project doesn't attract the EIA Notification. The built up area details are as follows:

Land coverage details	Area (Sq.m)
Built up area with roof	272.8
Built up area open to sky	2841
Landscaping / garden / open area	9026.8
<b>Total site area</b>	<b>12140.6</b>

- (iii) The total area of the site is 3 acres. Out of this total area, 2.65 acres fall in CRZ-III (NDZ) and the remaining area of 0.35 acre falls in CRZ-III (200 m to 500 m from HTL) as per existing approved CZMP vide CRZ notification 2011 and the details of the project extent in CRZ area is as follows:

S.No.	Description	CRZ Classification	Area in Acres	Area in Sq.mts
1	2.4 m Wide Pathway	CRZ-III (200m to 500m from HTL)	0.07	283.27
		CRZ-III (NDZ)	0.23	930.77
2	Landscaping	CRZ-III (200m to 500m from HTL)	0.14	566.55
		CRZ-III (NDZ)	0.26	1052.18
3	Park Development	CRZ-III (200m to 500m from HTL)	0.06	242.21
		CRZ-III (NDZ)	0.41	1659.21
4	Parking	CRZ-III (NDZ)	0.62	2509.05

		CRZ-III (200m to 500m from HTL)	0.06	242.81
6	Other Facilities	CRZ-III (NDZ)	1.15	4653.88
<b>NDZ(below 200 mtr)</b>				<b>10747.6</b>
<b>Non NDZ(below 200 mtr to 500 mtr)</b>				<b>1393</b>
<b>Total</b>			<b>3.00</b>	<b>12140.6</b>

- (iv) The proposed beach park area is fallen in CRZ-III NDZ (below 200 mts) – 10747.6 Sq.m and Non-NDZ (between 200 mts to 500 mts)-1393 Sq m. The proposed activities are permissible as per the clauses 8(III) (A) (iii) (a); 8 (III) (A) (iii) (j) and 8 (III) (B) (viii) of CRZ Notification, 2011.
- (v) The activities of the proposed project are: Interpretation center /visitor's gallery – 12 m x 10m, Tourist amenities (Snack bar – 12m x 7.6m), Store 01 – 2m x 3.5m, Store 02 – 2m x 3.5m, Ladies toilet 6.8m x 3.5m, Gents toilet – 6.8m x 3.5m, Fruit park (toy park), HPT – 32 Aircraft Platform, TU – 142 M Aircraft Platform, Open air theatre / Tourist amenities centre, Sump, Entrance lobby, Ticket Counter, Landscaping, Parking and Park development.
- (vi) The Water requirement is 5.0 KLD and source from water tankers from Municipal Corporation.
- (vii) The total Solid Waste about 45 Kg/day of domestic waste and dispose to Kakinada municipal Corporation dump yard.
- (viii) The total sewage generated (3.2 KLD) during the occupation phase will be routed to septic tank followed by soak pit. No discharge into sea or nearby water bodies.
- (xi) During Construction and Operation Phase, power will be provided by 3KWH power will be required which will be used via connection by APEPDCL. Power requirement will be met from APEPDCL.
- (xii) Total cost of the proposed Beach Park is ₹2.50 Crore and total employment potential is about 20 Nos.
- (xiii) The Andhra Pradesh Coastal Zone Management Authority *vide* its letter No. 196/CRZ/IND/2020/573, dated 09/11/2022 has recommended the project for CRZ clearance.

## 2. Deliberations in the EAC:

The Committee made a detailed deliberation on the proposal. The Committee noted that the PP has modified some of the activities of project in Non-NDZ CRZ-III (between 200 meter to 500 meter from HTL), DMP and APSCZMA has recommended the same. The EAC suggested that the PP should ensure that the aircraft has to be place outside Non-Development Zone upto 200m from HTL (CRZ –III).The Committee found the additional information submitted by the project proponent to be satisfactory. The Committee also suggested that the CRZ clearance for construction shall be subject to local town and country planning rules as total built up area less than 20,000 Sq.mts and project not attract the EIA Notification. Temporary structures not permitted as per the notification in the NDZ areas shall not be constructed in the CRZ area.

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

- (i). No construction shall be allowed within 200 meter from HTL (NDZ area) in CRZ III area, 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 overall height of construction or structure placed upto the highest ridge shall not exceed 9 metres.
- (iii). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (iv). No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of work.
- (v). The green belt, rainwater harvesting structure, solar lights systems including LED lighting shall be maintained for the project.
- (vi). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vii). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (viii). The Andhra Pradesh Coastal Zone Management Authority *vide* its letter No. 196/CRZ/IND/2020/573, dated 09/11/2022 has recommended the project for CRZ clearance and commitments made before the EAC shall be implemented in letter and spirit.
- (ix). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **CONSIDERATION OF FRESH PROPOSALS:**

#### **Item No. 3.6**

**Construction of Kawai Island Beach Resort by M/s Poovar Ayurveda Centre and Hospital Pvt Limited, Paruthiyoor, Pozhiyoor, Thiruvananthapuram, Kerala  
[IA/KL/CRZ/404004/2022][F.NO.11/8/2023-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 project proponent submitted documents 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 Kawai Island Beach Resort at Survey Nos: 452(p),453(p),454(p),456(p) & 471(p) by M/s Poovar Ayurveda Centre and Hospital Pvt Limited, Paruthiyoor, Pozhiyoor, Thiruvananthapuram, Kerala.

- (ii). The proposal is to construct an authentic Ayurveda hospital and spa with an Ayurveda treatment area, treatment rooms, a spa area, yoga hall and accommodations for patients.
- (iii). The total area of land is 12.00 acres, the buildings have a total built-up area of 3537 Sq.m. with intends to construct Main building, BOH Block, 6 Cottage Blocks with building height 7.5 meters. The FAR of project is 7.67% as per Kerala Building Rule 2011 Permissible FAR in Medical / Hospital Building is 40% of plot area.
- (iv). The construction zone falls under the CRZ III classification and construction area is beyond 200 m from the HTL of the sea and 100 m from the backwater's HTL.
- (v). The proposed to use Solar Energy extensively by having solar system installed in all the roof tops. The also proposed to have small vertical wind Generators of 2 KW capacity to generate power and connect to the grid.
- (vi). The effluent generated is about 5600 KLD, capacity of STP is 10000 KLD and will be provided using latest MBBR system and treated water will be used for gardening.
- (vii). The total water requirements is about 7000 KLD and source through water containers, water treatment and recycle 2500 KLD and capacity of Rain water harvesting system is about 30,000 KLD.
- (viii). The total solid waste discharge about is 10,220 KLD and treated / disposed as per SWM Rules 2016.
- (ix). The Consent to Establish has issued by Kerala State Pollution Control Board *vide* consent No. PCB/KSRD/ICE/38/2020 dated 14/05/2020 and valid upto 06/02/2025.
- (x). The total Employment likely to be generated about 102 during construction and operational period.
- (xi). The total cost of project is ₹25 Crores. The proposals has Green Initiatives and an amount of ₹1.5 Crores is budgeted for the initiatives of saving of power & fuel, saving of energy, water conservation, waste water treatment and ground charging and Greening of Site.
- (xii). The Kerala Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 1996/A2/2021/KCZMA dated 16/08/2022.

## **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 7.5 mts (as proposed) with Ground + one Floor. Temporary structures not permitted as per the notification in the NDZ areas shall not be constructed in the CRZ area. The Committee also suggested that the PP shall develop greenbelt with native species suitable for the coastal area and shall also reduce electricity dependency from the power grid by using renewable energy sources.

As per the CRZ Notification 2011, para 8 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). No construction shall be allowed within 200 meter from HTL (NDZ area) in CRZ III area, 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). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (v). No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of work.
- (vi). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vii). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (viii). The recommendations made by the Kerala CZMA vide its Letter No. 1996/A2/2021/KCZMA dated 16/08/2022 and commitments made before the EAC shall be implemented in letter and spirit.
- (ix). All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **Item No. 3.7**

**Proposal for project for Road, Rail, Utility Corridor and LPG Pipeline at Mundra, District Kutch (Gujarat) by M/s Adani Ports and SEZ Limited-CRZ Clearance regarding [IA/GJ/CRZ/411806/2022] [F.NO.11/9/2023-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 project proponent submitted documents and their consultant made a detailed presentation of salient features of the project and informed that:

- (i) The proposal is for CRZ clearance for project for Road, Rail, Utility Corridor and LPG Pipeline at Mundra, District Kutch (Gujarat) by M/s Adani Ports and SEZ Limited-CRZ



- (ii) M/s APSEZ has proposed to (i) develop a new utility corridor from the west side of south port, which comprises of road, rail, pipeline, HT line, other utility services and proposed to develop (ii) underground cross-country LPG pipeline route (@91.35 KM) from east side of the south port connecting Mundra LPG Terminal Pvt Ltd to GAIL facility at Mithirohar, Gandhidham.
- (iii) M/s APSEZ has proposed that project utility corridor will have a width of 100m and approximate length of 7 km, inclusive of 2 numbers of 4 lane roads, 2 railway lines, pipeline, HT power line and other utility lines (including facilities such as pipelines, power & networking cables, gas networks etc.). The entire stretch of the corridor will be above ground and at the creek crossing; it will be on an elevated bridge supported with pile structure. The dimension of the utility corridor as:

S. No	Type of the Corridor Lane	Proposed width of each corridor (m)
1	Utility corridor	12
2	Pipeline corridor	20
3	Rail corridor	15
4	Road corridor	35
5	Power / HT line corridor	18
<b>Total width</b>		<b>100</b>

- (iv) **The Area falling in CRZ as:**

Proposed Project Activities	CRZ IA	CRZ IB	CRZ III (NDZ)	CRZ III (200 m to 500 m)	CRZ IV B
Proposed LPG Pipeline (m)	-	-	-	1259.12	-
	370.03	59.68	91.87	-	-
	175.79	10.19	42.09	-	-
Proposed HT Power Line (Length in m)	-	-	801.85	-	46.05
	1733.08	355.70	1110.01	-	396.15
	1601.18	-	418.61	-	-
Proposed Road Corridor (Area in Ha)	2.19	0.61	0.72	-	0.22
	7.63	0.31	2.80	-	-
Proposed Pipeline Corridor (Area in Ha)	-	0.00	6.03	1.79	-
	0.91	0.33	13.15	-	0.09

- (v) The CRZ applicability for the project as:

S.No	Proposed Development	CRZ Classification	Permissible clause as per CRZ Notification 2011 and its amendments till date
1	Proposed underground	CRZIII NDZ (Port Limit)	3(iv)(a), 4(i)(a) &(f), 4(ii)(d)
2		CRZIII (Port Limit)	3(iv)(a), 4(i)(a) &(f), 4(ii)(d)

3	LPG Line	CRZ IA (Mangrove Buffer)	3(iv)(a), 4(i)(a) &(f), , 4(ii)(d), 8(I)(i)(b) &(c)
4		CRZ IB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d) and 8(I)(ii)(g)
5	Proposed HT Power Corridor	CRZIII NDZ (Port Limit)	3(iv)(a), 4(i)(a) &(f), 4(ii)(d)
6		CRZIII (Port Limit)	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
7		CRZIVB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
8		CRZIA (Mangrove Buffer)	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d), 8(I)(i)(b) &(c)
9		CRZ IB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d) and 8(I)(ii)(g)
10	Proposed Road and Rail Corridor	CRZIII NDZ (Port Limit)	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
11		CRZIA (Mangrove Buffer - On Stilts)	3(iv)(a), 4(i)(a) &(f), 4(ii)(d), 8(I)(i)(b) &(c)
12		CRZIA (On Stilts)	3(iv)(a), 4(i)(a) &(f), 4(ii)(d), 8(I)(i)(b) &(c)
13		CRZIVB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
14		CRZ IB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d) and 8(I)(ii)(g)
15	Proposed Pipeline Corridor	CRZIII NDZ (Port Limit)	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
16		CRZIII (Port Limit)	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d)
17		CRZ IB	3(iv)(a), 4(i)(a) &(f) , 4(ii)(d), and 8(I)(ii)(g)

- (vi) The total Employment likely to be about 60 during construction phase (Temporary:50 and Permanent:10).
- (vii) The project site is falling under Zone V (Highest Risk Zone) – Seismic Zone and Disaster Management Plan has been drawn for natural disasters such as earthquake, cyclone, tsunami, flood and man-made disaster such as fire
- (viii) The estimated cost of the project is approximately ₹495 Crores. The EMP budget allocated ₹35 lakhs Per Annum.
- (ix) The Gujarat Coastal Zone Management Authority *vide* its letter No.ENV-10-2018-76-T, dated 20/10/2022, has recommended the project for CRZ clearance.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee noted that the GCZMA has recommended the project and intimated that the activity is a permissible. The EAC advised to PP that the LPG pipeline is not a Public Utility Corridor and it need clarification in this regard and also suggested to submit clarification immediately by e-mail to all EAC Members. The PP has submitted clarification *vide* e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes.

The Committee after detailed deliberations and based on the clarifications / information submitted by PP 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) The utility corridor should be restricted to within port limit.
- (iii) All facilities in utility corridor should comply with detailed in risk and safety management plan as presented the committee and compliance report to be submitted to Regional Office
- (iv) Sufficient gap / distance between pipelines need to maintain for safety & maintenance activities.
- (v) Any temporary physical infrastructure setup and excavated material shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
- (vi) The pipeline where crossing of water body / river / creek areas should be laid through Horizontal Directional Drilling (HDD) method.
- (vii) No storage reservoir for sea water shall be permitted and only project activity i.e. pipelines conveyance system etc. shall be installed.
- (viii) No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (ix) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (x) The prior approval from PESO should be obtained before commencement of the project.
- (xi) All the conditions stipulated by the Gujarat Coastal Zone Management Authority vide its letter No.ENV-10-2018-76-T, dated 20/10/2022 and commitments made by the PP before the GCZMA and EAC shall be followed in letter and spirit.
- (xii) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

### **Item No. 3.8**

**Proposal for Establishment of a new Lighthouse Tower and allied buildings at Chaumukh (Narayanpur Village), Baliapal, District-Balasore by Directorate General of Lighthouse and Lightship, Ministry of Port, Shipping and Waterways-CRZ Clearance regarding. [IA/OR/CRZ/413840/2023] [F.NO.11/10/2023-IA.III]**

The project proponent submitted documents and made a detailed presentation of salient features of the project and informed that:

- (i) The proposal is for Establishment of a new Lighthouse Tower and allied buildings at Chaumukh (Narayanpur Village), Baliapal, District-Balasore by Directorate General of Lighthouse and Lightship, Ministry of Port, Shipping and Waterways to provide visual navigational aids for the safety of the Mariners and local fisherman of the area.
- (ii) The development proposed over plot no.3531/3543 and Khata No.735. The kissam of the land is Gharabari. The total area is 1.10 ac. Construction involves setting up of a

new lighthouse tower of 113 sqm of base area with 12.0m circle and 45 m height, staff buildings, internal road, pathways, water supply and sanitary arrangements and a compound wall which are required for the operation of light house.

- (iii) The proposed lighthouse project site as reported by IRS, Anna University Chennai under various CRZ are as:

S. No.	Description	CRZ - Classification	Area in Sq. m	Total Area in Sq. m
1	Proposed project Site Boundary	CRZ - III (NDZ)	1321.44	4000.00
		CRZ-IVB	2678.56	
2	Proposed Road	CRZ - III (NDZ)	152.57	375.00
		CRZ-IVB	222.43	
<b>Grand Total</b>			<b>4375.00</b>	<b>4375.00</b>

- (iv) The fishermen community, within a radius of 18 nautical miles, will be benefited by establishment of Lighthouse at Narayanpur Village also be of economic boost for the local people who are involved in the fishing and marine activities.
- (v) The estimated cost of project is ₹9.0 Crores.
- (vi) The Odisha Coastal Zone Management Authority has intimated the activities are permissible as per Para 5.3 (i), 5.1.2 CRZ-IB (ii) and 5.4 CRZ-IV (iii) as per CRZ Notification 2019 and recommended the proposal for CRZ clearance *vide* its Letter No. OCZMA/25/2022/149/OCZMA dated 06/09/2022 and Letter No.166/OCZMA dated 07/09/2022.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee noted as intimated by PP that the proposed project area falls in CRZ-III (NDZ) and CRZ IVB creek area. However, as per submitted 1:4000 scale map prepared by IRS, Anna University Chennai the project location shows falls in water body i.e. CRZ-IVB creek, which need correction in the 1:4000 scale map along with correct geographical location of the lighthouse site and resubmitted to the Ministry for reconsideration in next meeting. The proposal is accordingly deferred for the needful inputs.

### Item No. 3.9

**Proposal for laying of pipeline for seawater intake for development of Centre of Coastal Aquaculture activities-857.11 m and Marine outfall of length 1124.27 m to discharge the treated water of 1400 KLD at Mulapolam, Sompeta Mandal, Srikakulam District-CRZ Clearance regarding. [IA/AP/CRZ/415745/2023] [F.NO.11/11/2023-IA.III]**

The project proponent submitted documents and their consultant made a detailed presentation of salient features of the project and informed that:

- (i) The proposal is for laying of pipeline for seawater intake for development of Centre of Coastal Aquaculture activities- 857.11 m and Marine outfall of length 1124.27 m to discharge the treated water of 1400 KLD at Mulapolam, Sompeta Mandal, Srikakulam, Andhra Pradesh.

- (ii) The project co-ordinates: Latitude: 18.52.14° and Longitude: 84.34.43° and involves aquaculture activities in 18.91 ha. (46.72 acres) area with the envisaged activities i.e. Multispecies Marine Fin Hatchery, Shrimp hatchery, Crab Hatchery, Marine Fish culture, Nursery for Marine fish, Nursery for Shrimps & crabs, Shrimp Culture, Effluent Treatment plant (ETP) etc.
- (iii) The proposed intake pipeline falls in CRZ-IA, CRZ-IB, CRZ-III (NDZ), CRZ-III, CRZ-IVA and outside CRZ area as per the CRZ notification, 2011 and is applicable as per Para 8 I (i) (b) of the said notification.
- (iv) The CRZ details of the proposed project site are as :

Description	CRZ Classification	Length in meter	Total Length in meter
Proposed Inlet pipeline	CRZ-IA	142.2	857.11
	CRZ-IB	128.26	
	CRZ –III (NDZ)	69.96	
	CRZ-III (200m to 500m from HTL)	306.27	
	CRZ-IVA	207.15	
	Outside CRZ	3.27	
Proposed Outlet Drain pipeline	CRZ-IA	132.36	1124.27
	CRZ-IB	164.16	
	CRZ –III (NDZ)	75.25	
	CRZ-III (200m to 500m from HTL)	305.10	
	CRZ-IVA	100.00	
	Outside CRZ	347.40	

- (v) Two types of sea water intake suction lines have been proposed i.e. Beach Bore well system and Open sea water intake system, and outlet pipeline with 160 mm dia for a total length of 1124.27 meters proposed from ETP to the sea.
- (vi) The Sea water requirements into ponds is about 1500 KLD and domestic water requirements is about 1.8 KLD and source are Bore well / Open well in non CRZ area.
- (vii) A pump house to accommodate four numbers of pumps each with a capacity of 20 hp have been planned to supply water to the reservoirs; for each intake system, there will be two pumps, one as working and the other as stand by.
- (viii) The total waste water generation will be 1400 KLD from ponds and will be send to Effluent Treatment System for treatment. After treatment, the treated water will be disposed of into the sea, after thoroughly following IS 7968:1976 standard.
- (ix) The project obtained Forest Clearance Stage-I clearance *vide* F. No.4-APB164/2022-VIJ/312 dated 30/04/2022.
- (x) There is one Schedule-I species *i.e Olive Ridley Sea Turtle* found at proposed pipeline area and has been proposed conservation plan.
- (xi) The NFDB (PP) has submitted application for CAA Permission for constructions of new aquaculture facilities for CAA approval *vide* F.No.55-17(01)/2020 dated

06/11/2020 and CAA suggested comply with the regulations as specified in various Provisions of CAA ACT, Rules, Regulations and guidelines.

- (xii) The Andhra Pradesh State Pollution Control Board has issued NOC *vide* Order No: 557/APPCB/CFE/RO-SKM/HO/2022, dated: 23/02/2022 and valid for a period of 7 years from the date of issue.
- (xiii) The estimated cost of project is ₹66.0 Crores. The Environmental Management Plan Budget for Capital Cost is about ₹32.5 Lakhs and for ₹13.5 Lakhs Recurring cost and ₹25.0 Lakhs proposed for the Olive Ridley Turtle-Conservation Budget.
- (xiv) The Andhra Pradesh Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 341/CRZ/INF/2021-581 dated 15/11/2022.

## 2. Deliberations in the EAC:

The Committee after detailed deliberations suggested that the PP shall submit additional information / inputs in respect of the following:-

- (i). The proposed project is for standalone CRZ clearance for the construction of pipeline. However, there is no clarity whether Aquaculture activity is also within CRZ area or outside CRZ area and require clarification along with necessary documents.
- (ii). Need to submit complete layout plan of the project in the CRZ area.
- (iii). The Beach Bore well system proposed for the project which is not permissible activities as per CRZ Notification.
- (iv). Details of Effluent Treatment System and quality and characteristic of untreated and treated water.

### **Item No. 3.10**

**Construction of new Freight Railway Double Line from JNPT (Maharashtra) to Dadri (Uttar Pradesh) by M/s Dedicated Freight Corridor Corporation of India Limited(DFCCIL)- Extension of Validity and Amendment in CRZ Clearance regarding. [I/MH/CRZ/295292/2022] [F.NO.11-46/2013-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 project proponent submitted documents and their consultant made a detailed presentation of salient features of the project and informed that:

- (i) The project for Extension of Validity and Amendment in CRZ Clearance for Construction of new Freight Railway Double Line from JNPT (Maharashtra) to Dadri (Uttar Pradesh) by M/s Dedicated Freight Corridor Corporation of India Limited(DFCCIL).

- (ii) The M/s Dedicated Freight Corridor Corporation of India Limited (DFCCIL) has requested as:

**A. Extension of Validity of CRZ Clearance:**

- 1) MoEF accorded CRZ Clearance to the DFC Project alignment in the State of Maharashtra on 17/11/2014, which *vide* amendment to CRZ Notification dated 06/03/2018 by MoEF became valid till 16<sup>th</sup> November 2021.
- 2) The contract of the DFC project in JNPT-Vaitarna awarded on 07/03/2017 [*i.e. within a period of five years from the date of issue of clearance*] with a commissioning target of 01<sup>st</sup> March 2021.
- 3) Despite all efforts, some of the major issues include –
  - Land acquisition and R&R of PAPs of MMR area (mainly in VVCMC, BNCCM, KDMC & PMC area).
  - Many utilities shifting works associated with different agencies, progress has been slowed.
  - COVID 19 pandemic & subsequent lockdowns, the progress has been affected for almost two+years' period.
- 4) As per provisions of MoEF&CC's notification dated 18/01/2021 to give relief to all projects affected by Covid-19 pandemic, the period from the 01/04/2020 to 31/03/2021 shall not be considered for the purpose of calculation of the period of validity.

**B. Amendment in Number of Mangroves in Specific Condition No. 6A.(ii):**

- 1) DFCCIL took permission from the Hon'ble High Court of Bombay in 2015 for cutting of 543 number of mangroves based on survey in 2013.
- 2) DFCCIL approached State Forest Department to seek permission for mangrove trees cutting in May 2019.
- 3) Forest Department advised to obtain the FCA even for the mangrove area in private & Government land, which was not required as per old Guidelines.
- 4) For obtaining FCA, revised survey was done in 2019,
  - the total Mangrove area including private & government land in 4 affected locations has increased from 7.4004 Ha (*original sanctioned*) to 10.6489 Ha
  - and total nos. have increased from 543 to 3586 (Increase of 3043).
- 5) Increase in number of mangroves in four locations [*within the same original sanctioned CRZ-I Area*] has resulted due to
  - New growth between the period of approval and actual site working (6 years), and
  - 2) Increase in total Mangrove area.

(iii) The summary details of supplementary proposal vis-à-vis original sanctioned as:

S. No.	Parameters [Original Sanctioned]	Parameters [Supplementary Proposal]
1.	Total length of alignment in CRZ at 15 Locations = 26.60 km (1) In CRZ-I = 19.95 km (2) In CRZ-III = 6.65 km	No change in no. of CRZ locations  No change in total length of alignment in CRZ-I and CRZ-III area
2.	Total area in CRZ = 49.3654 Ha (1) In CRZ-I = 38.153 Ha (including mangrove area of 13.362 Ha)	Total area in CRZ remains same. b) Total area in CRZ-I remains same. c) <b>Additional mangrove area in 4 villages (in Private &amp; Govt. land) 3.2815 Ha.</b>
3.	Total number of mangroves required to be removed in 9 locations = <b>543</b> (1) No. of mangroves in 5 locations = <b>123</b> (2) No. of mangroves in 4 locations (i.e. Paye/Payegaon, Juchandra, Tivri, Shirgaon/Kasrali) in 7.4004 Ha = <b>420</b>	Total number of mangroves required to be removed in 9 locations = <b>3586</b>  Total no. of mangroves in 5 locations = <b>123</b> b) Total no. of mangroves in 4 locations (i.e. Paye/Payegaon, Juchandra, Tivri, Shirgaon/Kasrali) in 10.6489 Ha (Revised) = <b>3463</b> c) <b>Additional no. of mangroves in 4 locations (i.e. Paye/Payegaon, Juchandra, Tivri, Shirgaon/Kasrali) in 10.6489 Ha (Revised) = 3463 – 420 = 3043</b>

- (iv) Total length of alignment in Maharashtra is 178 km from JNPT to Bordi passing through Raigad, Thane and Palghar Districts.
- (v) DFCCIL took cutting permission from the Hon'ble Mumbai High Court in 2015 for 543 no. of mangroves [at 9 out of 15 CRZ locations].
- (vi) Further, new guidelines of treating mangrove area as 'Deemed Forest' came into force in the State of Maharashtra, which resulted the project to pursue its supplementary proposal for diversion of 13.7243 Ha Forest/Mangrove land for seeking mandatory approvals/permissions. Out of 13.7243 Ha, the total mangrove area on Private & Govt. land in 4 affected villages is 10.6489 Ha, which was revised from 7.4004 Ha [original sanctioned].
- (vii) Stage-I forest clearance and deposition of charges towards compensatory afforestation, NPV and others under Forest (Conservation) Act, 1980 is already completed. As a pre-requisite requirement in Maharashtra, mangrove cutting permission needs to be sought from the Hon'ble Mumbai High Court. During hearing process in August 2022, the Hon'ble High Court directed DFCCIL to obtain prior approval from the concerned CRZ authorities [MCZMA and MoEF&CC] for amendment in the previously accorded CRZ Clearance to the DFC Project for validity extension and for amended permission for cutting of additional 3043 nos. mangroves [2815 less than 30 cm & 228 above 30 cm] in four villages [at 3 out of 15 CRZ locations].



- (viii) The Maharashtra Coastal Zone Management Authority has recommended the proposal for extension of validity and amendment in CRZ clearance *vide* its Letter No. CRZ 2022/CR 211/TC 4 dated 09/12/2022.

## 2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee noted that the extension for validity and amendment in CRZ clearance has been recommended by MCZMA 09/12/2022 (applied MCZMA on 05/09/2021), however validity of the project expired on 16<sup>th</sup> November 2021. The committee also noted that the PP has also submitted the latest six month compliance report for the conditions of CRZ clearance granted (up to March 2022) for the record of the regional office of the Ministry.

The Committee also noted that as per revised survey the total number of Mangrove trees to be cut for the project has increased from 543 to 3586 numbers and also forest area has increased from 7.4004 Ha (originally sanctioned) to 10.6489 Ha. Stage-I approval for the same was accorded by the ministry.

The Committee noted that the PP is seeking extension of validity in the line of Environment Clearance (EC) *vide* Notification No.S.O.2346(E) dated 16/06/2021 on which the COVID period (1<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021 to be counted as zero period). According to PP, the validity of earlier CRZ Clearance extension period was thus automatically extended upto November 2022. PP is further seeking 3 years (7+3 = total 10 years) extension upto 16/11/2025 as per CRZ Notification.

The Committee deliberated the matter in detail and found the proposal in is order from CRZ point of view. However, the committee suggested that the Ministry to take a decision on whether the guidelines for EC *vide* Notification No.S.O.2346(E) dated 16/06/2021 can be extended to CRZ Clearance as well? Accordingly, the ministry may proceed with according CRZ clearance.

The committee also noted the amendment in CRZ Clearance issued earlier *vide* letter dated 17/11/2014 at **A. SPECIFIC CONDITIONS** on item (ii) and (iv) and recommended as under:

(ii) Mangroves to an extent of total 3586 (543+3043) can be removed for the project of national importance with prior permission from Hon'ble High Court of Bombay for cutting or damaging of 3586 mangroves.

(iv) The sentence with regard to CRZ I area can be read as the structures in CRZ-I shall be constructed on stilt at all water flow points without any affect to mangroves or flow conditions, and 3586 mangroves which are required to be removed for the stilt construction.

### **Item No. 3.11**

**Construction of Resort at Aarvli, Taluk, Vengurla, District Sindhudurg, Maharashtra by M/s Fomento Resort & Hotels Ltd. - Extension of validity in CRZ Clearance regarding. [IA/MH/CRZ/295876/2022] [F.NO. 18-6/2005-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 M/s Fomento Resort & Hotels Ltd. submitted has document and made a detailed presentation of the project and informed that project was accorded CRZ clearance proposal *vide* letter No. 18-6/2005-IA.III, dated 03/01/2014 and requested for extension of validity of the above CRZ Clearance by another 3 years i.e. till 02/01/2024.

2. The PP intimated that the due to COVID restriction from February 2020 the project was delayed and applied for extension of CRZ to MCZMA on 26/10/2020, well advance before the expiry of the validity of CRZ Clearance. The 90% of the construction activity was completed and only 10% of specialised interior works was remaining. The PP also intimated that the extension for validity of CRZ clearance has been recommended by Maharashtra Coastal Zone Management Authority (MCZMA) *vide* their letter No. CRZ2020/CR 142/TC4, dated 18<sup>th</sup> July 2022.

3. The Committee took note that the extension for validity of CRZ clearance has been recommended by MCZMA. The committee also noted that the PP has also submitted last six month compliance report for the conditions of CRZ clearance granted (up to March 2022) for the record of the Ministry as same submitted to IRO. The Committee was also informed that the project proponent had applied to the MCZMA before the expiry of the validity of said clearance i.e.12/03/2022.

4. The EAC made detailed deliberation on the proposal and recommended the extension of validity of the CRZ clearance dated 13/03/2015 for a further period of three years i.e. upto 22/11/2025, as per the provisions of the CRZ Notification under which the clearance was granted.

#### **4.0. Any other item with the permission of the Chair.**

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

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**Annexure**

**List of the Expert Appraisal Committee (CRZ) Members participated during Video Conferencing (VC) Meeting held on 7<sup>th</sup> February 2023.**

<b>S. No.</b>	<b>Name of Members</b>	<b>Designation</b>
1.	Dr. Deepak Arun Apte	Chairman
2.	Dr. M.V. Ramana Murthy	Member
3.	Dr. Manoranjan Hota	Member
4.	Shri M.S. Negi	Member
5.	Prof. V.K. Jain	Member
6.	Shri Sham Wagh	Member
7.	Dr. Niraj Sharma	Member
8.	Shri Sukumaran Jeyakrishnan	Member
9.	Shri R.S.P. Verma	Member
10.	Dr. H. Kharkwal	Member Secretary

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