

MINUTES OF THE 319th MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 17th JANUARY, 2023

The 319th meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 17th January 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 317th meeting held on 23rd December, 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 RECONSIDERATION OF PROPOSALS FOR CRZ CLEARANCE

Item No. 3.1

Extending 20” pipe line from North Jetty Reclamation pit (NJRP) to Cochin Oil Terminal (COT) & North Tanker Berth (NTB), along with associated facilities at Cochin Port Trust jetty area and modification within refinery for loading white oil products like Reformate, Naptha, MS, HSD etc by M/s Bharat Petroleum Corporation Ltd-amendment in CRZ Clearance regarding [IA/KL/CRZ/291876/2022] [FNo.11-31/2015-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 315th meeting held on 29th November, 2022. The Committee after detailed deliberations suggested that the PP shall submit a Quantitative Risk Assessment (QRA) study for the entire pipeline corridor including the present HTPL line extension from Refinery to all three loading bays of Cochin Port Trust (CPT) and accordingly deferred the proposal. The project proponent has now uploaded documents as desired by EAC on Parivesh Portal 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 “Extending 20” pipeline from North Jetty reclamation pit (NJRP) to Cochin Oil Terminal (COT) & North Tanker Berth (NTB), along with associated facilities at Cochin Port Trust Jetty Area and Modification within Refinery for loading White Oil Products like Reformate, Naptha, MS, HSD etc in Tehsil Kunnathunad of District Ernakulam, Kerala M/s Bharat Petroleum Corporation Ltd.
- (ii) BPCL – Kochi Refinery laid a 20 inch piggable Heat Traced Pipeline (HTPL) of 10.5 Km length from South Tanker Berth Jetty (Located in Cochin Port Trust area) to Kochi Refinery in the year 2019 for transporting class C intermediate products like Vacuum Gas Oil and Vacuum Residue for refinery.
- (iii) MOEF & CC issued CRZ clearance for the pipeline *vide* letter No.11-31/2015-AI-III dated 12/02/2016. PESO granted permission in February, 2020 for commissioning the piggable pipeline in class C service. Post commissioning, this pipeline remained underutilized due to various reasons.
- (iv) In order to utilize the asset optimally it is proposed to change the service of the pipeline from Class C to Class A & B and extend the pipeline to North Tanker Berth (NTB) and Cochin Oil Terminal (COT) located at Cochin Port Area. PESO approval of Consent to Establish is received for amendment proposal on 27/07/2022.
- (v) There are total three berths in Cochin Port Authority, namely South Tanker berth (STB), North Tanker berth (NTB) and Cochin Oil Terminal (COT).
- (vi) M/s. Bharat Petroleum Corporation Limited (BPCL) proposes for Extension of 20” HTPL pipeline from North Jetty Reclamation Pit (NJRP) to Cochin Oil Terminal (approximately 1.0 Km of HDD section under seabed and 0.4 km on Pipe trestle).
- (vii) Presently, HTPL pipeline is laid from refinery to South Tanker berth (STB) through NJRP. On extending the pipeline to COT, Larger volume parcels can be handled economically.
- (viii) The project Pipeline size is 20”, Pipeline Length:1.4 km (approx.) from NJRP to COT, Pipeline Throughput (Highest pumping capacity):1350 m³/hr for 20”, Operating Pressure (YP-65A Discharge Press):13.5 Kg/cm²g, Design Pressure:45 kg/cm²g, Design Temperature:65°C, Material grade of Mainline pipe: API 5L Gr. X60, PSL-2, Material grade of Station Piping: ASTM A106 Gr. B - (For all Station Piping).
- (ix) The project located in Latitude: 9°57'56.50” N to 9°58'3.14"N and Longitude: 76°16'45.23” E to 76°16'50.29"E.
- (x) The CRZ map of 1:4000 has been prepared by Indian Institute of Remote Sensing (IRS), Anna University. The CRZ classification of the study area is as:

| S.No. | Description | CRZ- Classification | Length in Meters | Total length in Meter |
|-------|---|------------------------|------------------------|--------------------------|
| 1. | Proposed 20" Multi-Product underground Pipeline from NJRP | CRZ-II | 17.67 | 1000.00 |
| | | CRZ- IV B | 982.33 | |

| | | | | |
|----|---|---------------------------------------|--------|--------|
| | to Sand Bank Island | | | |
| 2. | Proposed 20" Multi-Product above ground Pipeline from Sand Bank Island to Cochin Oil Terminal | CRZ- IA | 21.05 | 380.00 |
| | | CRZ- IA (50m Mangrove Buffer Zone) | 146.46 | |
| | | CRZ- IVB | 212.49 | |

- (xi) The project site located 2.3 km from Manglavanam Bird Sanctuary.
- (xii) The estimated cost of project is approx. ₹65.86 Crores.
- (xiii) The Kerala Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 402/A1/2022/KCZMA dated 03/09/2022.

2. Deliberations in the EAC:

The Committee deliberated on the proposal. The Committee observed that the presentation and documents submitted found variation in respect of proposed activities. Proposed activities *vis-à-vis* the project title as well as submitted EIA report is found to be not consistent. The Committee after detailed deliberations desired for additional information in respect of following:-

- (i) Details of the proposed activities *vis-à-vis* the project title, EIA report and SCZMA recommendations.
- (ii) Undertaking from the competent authority with details of projects and stating that the activities proposed have recommendations from SCZMA and that no activities have been started without CRZ clearance in CRZ areas.

The proposal was accordingly deferred for the needful.

Item No. 3.2

Development of 18m 66 KV Transmission Corridor by M/s MPSEZ Utilities Ltd. (MUL), Mundra, Kachchh District, Gujarat-CRZ Clearance regarding [IA/GJ/CRZ/408919/2022] [F.NO.11/1/2023-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.”

1. The project proponent submitted documents and their consultant made a detailed presentation on salient features of the project and informed that:
 - (i). The proposal is for CRZ clearance to the project for Development of 18m 66 KV Transmission Corridor by M/s MPSEZ Utilities Ltd (MUL), Mundra, Kachchh District, Gujarat.

- (ii). MUL, through co-developer agreement with APSEZ, formed to provide infrastructure facilities within SEZ at Mundra. MUL obtained status of Distribution Licensee *vide* GoI notification dated 3rd March 2010.
- (iii). To cater the power demand within the APSEZ area, MUL has proposed 66kV Transmission Line connecting the existing 66kV MRSS – MITAP Double circuit Transmission line and 66 KV EHV S/s-2 in South Zone (Mundra South Port).
- (iv). The proposed Transmission Line will be developed within APSEZ area, Mundra Tehsil, Kachchh district, Gujarat. The latitude 22°44'36.85"N and Longitude 69°39'58.76"E. Transmission Line Length - 7.1 km, Width – 18m, Transmission line will be developed majorly in APSEZ area.
- (v). Crosses the Baradimata Creek including Forest Area. Total 31 pylons will be installed with only 1 pylon in Forest Area. Crosses the Forest Land over an area of 0.40 Ha (~222.64 m), Stage 1 Forest Clearance has been granted.
- (vi). Transmission line will be crossing the Creek region; however no pylons will be constructed in the Creek.
- (vii). Water Requirement (Existing APSEZ Source): Construction phase - 3 KLD, Operation phase - 0.3 KLD.
- (viii). Power Requirement: Construction phase 15 to 20 KW per day and a DG Set of 25 KVA and Operation phase – No Power requirement.
- (ix). The proposed Transmission S. N Particulars Remarks line falls majorly within APSEZ and small section crosses the Baradimata Creek and Forest area (0.40 ha.) for which MUL has obtained Stage-1 Clearance *via* File No.6-GJB080/2020-BHO, dated 12/07/2021
- (x). CRZ compatibility:

| The Crossing length of Proposed 66 KV Transmission Line & Pylon under the CRZ Classes as Length (in meters) | | | | | |
|--|--------------------------------------|---------------|---------------|----------------------|----------------|
| S. No | Proposed Project Activities | CRZ IA | CRZ IB | CRZ III (NDZ) | CRZ IVB |
| 1 | 18 m 66KV Transmission Line Corridor | 4169.65 | 267.63 | 1838.33 | 493.85 |
| 2 | Pylon | 537.7 | 18 | 198.68 | - |

| The Footprint of Proposed Piles supporting the Pylon under the CRZ Classes as Area (in sq.m) | | | | |
|---|------------------------------------|---------------|---------------|----------------------|
| S.No | Proposed Project Activities | CRZ IA | CRZ IB | CRZ III (NDZ) |
| 1 | Piles | 74.99 | 4 | 37 |

- (xi). As per the clause 4.(ii).(d) and 8.I.(i).(b) of CRZ notification 2011, "*laying of pipelines, conveying systems, transmission line*" is a permissible activity in CRZ Area and requires prior CRZ clearance.
- (xii). Baseline environmental monitoring was carried out in the months of December 2018 to March 2019, in order to assess the quality of terrestrial and marine environment.
- (xiii). As the validity of baseline data collected during December 2018 - March 2019 was about to expire, additional baseline environmental monitoring has been conducted during March to June 2022 through NABL accredited agency to meet the MoEF&CC requirement.

- (xiv). MUL will utilize the existing well-developed DMP of APSEZ during the emergency situations that may arise from the Transmission Line. Disaster Management Plan has been drawn for natural disasters such as earthquake, cyclone, tsunami, flood and man-made disaster such as fire. The project site is falling under Zone V (Highest Risk Zone) – Seismic Zone.
- (xv). Solid Waste such as - excavated soil, paints, lubricants, diesel oil containers or any other non-biodegradable wastes shall be collected and disposed as per the applicable environmental guidelines. Municipal solid wastes handled and disposed off as per Solid Wastes Management (Management and Handling) Rules. Waste such as carboys, drums, containers etc. handled through authorized vendors as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016. Construction waste will be handled inline to Construction and Demolition waste rules.
- (xvi). Waste generated during operation phase handled inline to existing practice - 5R principles (Reduce, Reuse, Reprocess, Recycle and Recover) and Zero Waste to Landfill initiative.
- (xvii). No mangrove cutting is involved
- (xviii). The power requirement of the transmission line facility / infrastructure will be sourced from existing facilities and services i.e. power requirement will be met by MUL as MUL is the Co-developer of APSEZ and Power Distribution Licensee. The construction phase Power requirement will be 15 to 20 KW per day and a DG Set of 25 KV will be made available. No Operational Phase power requirement.
- (xix). The cost of the project is ₹15 Crores.
- (xx). The Gujarat Coastal Zone Management Authority *vides* its letter No. ENV-10-2020-125-T dated 20/10/2022, has recommended the project for CRZ clearance.

2. **Deliberations in the EAC:**

The EAC deliberated on the proposal. The Committee noted that bird diverters shall be installed after identifying the stretch requiring diverts. The Committee has also deliberated the baseline data and additional baseline studies conducted. The Committee further also noted as per the clause 4.(ii).(d) and 8.I.(i).(b) of CRZ notification 2011, "*laying of pipelines, conveying systems, transmission line*" is a permissible activity and GCZMA recommended the project for CRZ clearance.

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 CRZ Notification, 2011 and as amended from time to time.
- (ii) Prior Forest Clearance under Forest (Conservation) Act, 1980 shall be obtained, as applicable.
- (iii) No mangroves will be cut for the purpose of developing transmission corridor.
- (iv) The construction of the Pylon shouldn't cause significant disturbance in CRZ 1A area and foot print of construction should be minimum.
- (v) Bird diverters should be installed in transmission line, in the identified stretches, so as to avoid accidental collision of birds through systematic monitoring of bird movement with support of reputed institutions such as GUIDE.

- (vi) No excavated material during the construction shall be dumped in water bodies or adjacent areas to avoid blockage. The site shall be restored to its near original condition after completion of construction of work by removing all debris to facilitate free flow of water.
- (vii) No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (viii) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (ix) Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (x) All the conditions stipulated by the Gujarat Coastal Zone Management Authority for CRZ clearance *vide* its letter No. ENV-10-2020-125-T dated 20/10/2022, and commitments made by the PP before the CZMA 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 the project or activity.

Item No. 3.3

Proposal for quadrupling of Virar-Dahanu Road Railway Project under Mumbai Urban Transport Project III, District Palghar by M/s Mumbai Railway Vikas Corporation Ltd- CRZ Clearance regarding [IA/MH/CRZ/411954/2022] [F.NO.11/2/2023-IA.III]

The project proponent informed that the proposal is for quadrupling of Virar-Dahanu Road Railway Project under Mumbai Urban Transport Project III, District Palghar by M/s Mumbai Railway Vikas Corporation Ltd.

2. Deliberations in the EAC:

The EAC noted that the EIA / EMP report submitted by the project proponent is based on old data and is not capturing the present details and same also accepted by PP. The Committee after detailed deliberation desired that EIA / EMP report including Marine and mangrove conservation Plan shall be revised with one season additional base line data along with current details of values / parameters.

The proposal is accordingly deferred for the needful.

Item No. 3.4

Proposal for laying of Petroleum & Petroleum products pipeline project from Ennor Port to Manali Industrial Area along the NCTPCL Compound Wall *via* Puzhuthivakkam, Ennore, Vallur, Athipattu, Kathivakkam, Eranvur, Manali, Tirvottiyur, Sathangadu & Sadayankuppam Village in Chennai District by M/s IMC Limited, Chennai-CRZ Clearance regarding [IA/TN/CRZ/411946/2022] [F.NO.11/3/2023-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 "laying of Petroleum & Petroleum products pipeline project from Ennore Port to Manali Industrial Area along the NCTPCL Compound Wall via Puzhuthivakkam, Ennore, Vallur, Athipattu, Kathivakkam, Eranvur, Manali, Tirvottiyur, Sathangadu & Sadayankuppam Village in Chennai District, Tamil Nadu by M/s IMC Limited.
- (ii) The total length of the pipeline is 20393.58 m.
- (iii) The CRZ classification of the proposed pipeline from Ennore Port ETTPL Manifold area to Manali Industrial Area on approved CRZ Notification as per CRZ 2011 Notification involves CRZ-IB (308.51 m), CRZ-II (9055.37 m), CRZ-III (577.95 m) and CRZ-IVB (76.13 m), which covers 10,017.96 m length of the pipeline that comes under the CRZ region and 10375.62 m in Non-CRZ region.
- (iv) The project site co-ordinates: Pumping Unit:13°17'18.25"N, 80°20'12.77"E and Receiving Unit: 13°11'1.57"N, 80°15'51.29"E and Geographical coordinates of HTL points 1 to 125 as per IRS CRZ Report, Anna University and submitted by PP.
- (v) The Construction Phase: The major impact may occur during drilling and other pipeline installation process.
 - Mitigation measures:**
 - Environment Management Plan (EMP) will be kept in place so as to nullify the impacts due to drilling activities with proper storage of drilling mud and transfer to Authorized dealers.
 - No tree will be cut during construction phase.
 - Operation Phase:** There are no major impacts during operation phase since; it is an underground pipeline project.
 - Operation and maintenance of pipeline will be monitored thoroughly via Supervisory Control and Data Acquisition (SCADA) system.
 - The only impact may be due to pipeline leakage.
 - Mitigation measures:**
 - Leak detection system will be installed and proper supervision and maintenance will be done.
 - The sectionalizing valves will be provided as per PNGRB (Petroleum & Natural Gas Regulatory Board) guidelines.
- (vi) Green belt development will be carried / expanded surrounding project area in consultation with a local forest department along the pipeline stretch wherever feasible.
- (vii) Further Green belt area proposed on the periphery of IMC Limited in an area of around 2000 sq.ft.
- (viii) The budgetary provision for environmental Management cost estimate for EMP as:

| S. No. | Particulars | Cost in Lakhs (₹) | Recurring Cost in Lakhs (₹) |
|--------|----------------|-------------------|-----------------------------|
| 1. | DG Set & Stack | 25 | 2 |
| 2. | Environmental | - | 0.28 |

| | | | |
|--|------------|----|------|
| | Monitoring | | |
| | Total | 25 | 0.28 |

(ix) The pipeline laying detail as:

| Sl. No. | Location | Minimum cover (m) |
|---------|---|-------------------|
| 1. | Industrial, commercial and residential areas | 1.0 |
| 2. | Stream, canal and other minor water crossings | 1.5 |
| 3. | Major River Crossing | 2.5 |
| 4. | Drainage ditches at road ways and rail roads | 1.0 |
| 5. | Rocky areas | 1.0 |
| 6. | Un cased/cased crossings | 1.2 |
| 7. | Rail road crossing | 1.5 |
| 8. | Other areas | 1.0 |

(x) The area break up:

| Sl. No. | Description(CRZ– Classification) | Project Components | Length in Metres |
|---------|----------------------------------|--------------------|------------------|
| 1 | CRZ IB | Pipeline | 308.51 |
| 2 | CRZ II | Pipeline | 9055.37 |
| 3 | CRZ III | Pipeline | 577.95 |
| 4 | CRZ IVB | Pipeline | 76.13 |
| 5 | NON - CRZ | Pipeline | 10375.62 |
| Total | | | 20,393.58 |

(xi) Water requirement of the project:

| S. No. | Description | Requirement (KLD) | | | Disposal |
|--------|---------------------------|-------------------|-------------|--------|---------------------------|
| | | Total Water | Fresh Water | Sewage | |
| 1 | Construction Phase | 3 | 1 | 2.7 | Mobile STP to be proposed |
| 2 | Operation Phase: Domestic | 0.9 | 0.9 | 0.76 | Existing Soak pit |

(xii) The total cost of the project ₹94.89 Crore.

(xiii) The Tamil Nadu Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. P1/321/2020, dated 28/06/2022.

2. Deliberations in the EAC:

The Committee deliberated on the proposal. The Committee after detailed deliberations and as presented before the meeting, desired for following additional information / inputs:

1. Action plan for laying pipeline at a depth of at least 10 m below the creek / sea crossing zones.

2. The critical areas in CRZ area (mangrove forest area and sand dune area) should be identified in map and Plan for HDD method in with at least 5 m depth in these areas should be drawn.
3. Marine Management Plan including Sand dune restoration plan in the pipeline route.

The proposal is accordingly deferred for the needful.

Item No. 3.5

Proposal for Construction of Beach Resort at S.No.87/1B, 87/1A2, 87/2, 87/1B1A, 81/2B2 at Kannirajapuram Village, Kadaladi Taluk Ramanathauram District, Tamil Nadu by M/s Kfour Apartments & Hotels Pvt. Ltd. Madurai- CRZ Clearance regarding [I/ATN/CRZ/412513/2022] [F.NO.11/4/2023-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 Beach Resort at S.No.87/1B, 87/1A2, 87/2, 87/1B1A, 81/2B2 at Kannirajapuram Village, Kadaladi Taluk Ramanathauram District by M/s Kfour Apartments & Hotels Pvt. Ltd.
- (ii). The proposed project site for beach resort will lie between 200 to 500 meters from HTL on landward side, which comes under CRZ III and is a permissible activity under CRZ Notification 2011. Temporary structure of playing yard will be located at 100 to 200 m distance.
- (iii). The total plot area is 42015 m² and total built-up area is 4,404.9 m². The total cost of the project ₹7.0 Crore and 42 lakhs for EMP budgetary allocation.
- (iv). The project falls in CRZ area is as:

| Survey No. | CRZ-Classification | Area in Acres | Total area in Acres |
|------------------------------------|--------------------|---------------|---------------------|
| 87/1B | CRZ – III (NDZ) | 1.76 | 1.80 |
| | CRZ - III | 0.04 | |
| 87/1A2 | CRZ – III (NDZ) | 1.08 | 1.38 |
| | CRZ - III | 0.30 | |
| 87/2 | CRZ – III (NDZ) | 0.38 | 0.38 |
| 81/1B1A | CRZ - III | 6.30 | 6.30 |
| 81/2B2 | CRZ - III | 0.49 | 0.50 |
| | CRZ – III (NDZ) | 0.01 | |
| Project Area in CRZ Classification | | | 10.36 |

- (v). The area details for the proposed beach resort is as:

| Area Statement | Land Area (Sq. m) |
|--|-------------------|
| Total Land Area | 42,015 |
| Development Zone (200 – 500 m from HTL) | 28,602 |
| No Development Zone (0 – 200 m from HTL) | 13,413 |
| Beyond 500 m from HTL | 0 |
| Total built up area | 4,404.9 |
| Floor Space Index Achieved | 0.1 |
| Maximum Height | 7m |
| Ground Coverage | 4,404.9 |
| Road and Pavements | 3,761.01 |
| Greenbelt | 15,055.04 |
| Open Area | 18,805.05 |

(vi). The Built-up Area for the proposed Beach Resort in CRZ Area as:

| S. No. | Proposal | Area (Sq. m) in CRZ | | |
|--|-----------------------------------|---------------------|---------------|-------------|
| | | 0-200 m | 200-500 m | Above 500 m |
| 1 | Area of Villa Block | | | |
| 2 | Health Care Facility and day-care | - | 360 | - |
| 3 | Changing Room | - | 78 | - |
| 4 | Restaurant Area/Dining /bar | - | 539.9 | - |
| 5 | Toilet Facility | - | 52 | - |
| 6 | Yoga Hall | - | 56 | - |
| 7 | Spa / Storage Space | - | 159 | - |
| 8 | Outdoor Gym | - | 65 | - |
| Total | | | 4404.9 | |
| Following areas not included for FSI calculation | | | | |
| 1 | Gathering Space / Fire Space | - | 368 | - |
| 2 | Pool | - | 519 | - |

(vii). The total Solid Waste Management as:

| S. No. | Description | Proposed kg / day | Method of collection | Mode of Disposal |
|----------|---------------|-------------------|----------------------|------------------|
| 1 | Organic Waste | 200 | Separate Bin | Organo Converter |

| | | | | |
|----------|-----------------|------------|--------------|--------------------------------------|
| 2 | Inorganic Waste | 250 | Separate Bin | Authorized Vendors |
| 3 | Sludge from STP | 8 | Trolley | Manure for Landscaping and Gardening |

- (viii). Power Requirement-500 KVA, Source TNEB, D.G set Capacity 250 KVA (2 Nos) and Stack height (open D.G) is 9 m and 10% of Solar Energy is provided.
- (ix). Water Requirement: Construction phase-3.0 KLD, Source-Outsourced water, Supply (Unit-I) and Operation phase-6.0 KLD.
- (x). Waste water quantity is 5.4 KLD and Capacity-25 KLD (combined STP).
- (xi). Out of 5.0 KLD of treated sewage, 1.0 KLD recycled for toilet flushing and the remaining shall be used for gardening.
- (xii). The greenbelt development total area is 42015 Sq.m and Greenbelt 15055.04 Sq.m (35.83%).
- (xiii). There will be 21 rooms available in the Beach Resort. For each two rooms, one car parking is providing with minimum of 40 Sq.m.
- (xiv). The Tamil Nadu Coastal Zone Management Authority has recommended the proposal for CRZ clearance *vide* its Letter No. 18839/EC.3/2022-1 dated 01/12/2022.

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. Temporary structures not permitted as per the notification in the NDZ areas shall not be constructed in the CRZ area. There is no beach activity during the turtle nesting season from 1st January to 30th April of every year. The PP shall implement 'Mitigation Plan for turtle conservation' with consultation of the Forest Department for monitoring purpose and copy of the compliance report should be submitted to Regional Office. 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). There is no beach activity during the turtle nesting season from 1st January to 30th April of every year.

- (iii). The Project Proponent shall implement 'Mitigation Plan for turtle conservation' with consultation of the Forest Department for monitoring purpose and copy of the compliance report should be submitted to Regional Office.
- (iv). 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.
- (v). 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.
- (vi). No groundwater shall be extracted within CRZ area to meet the water requirements during the construction and / or operation phase of the project.
- (vii). 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.
- (viii). Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (ix). No permanent labour camp, machinery and material storage shall be allowed in CRZ area.
- (x). The recommendation made by the Tamil Nadu CZMA vide its Letter No. 18839/EC.3/2022-1, dated 01/12/2022 and commitments made before the EAC shall be implemented 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. 3.6

Proposal for Starred Category (Luxury Hotel), Hotel building on plot bearing CTS No.861, 861/1 to 33, 561/7 & S.No.73AA1-A1 of Village Juhu at Juhu-Tara Road, Vile Parle (W), Mumbai by M/s Juhu Hotel Pvt Ltd- CRZ Clearance regarding [I/MH/CRZ/400332/2022] [F.NO.11/5/2023-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.

- (i). The project proponent informed that the proposal is for CRZ clearance to the project for Constructing Starred Category Luxury Hotel on plot bearing CTS No.861, 861/1 to 33, 561/7 & S.No.73AA1-A1 of Village Juhu at Juhu-Tara Road, Vile Parle (W), Mumbai by M/s Juhu Hotel Pvt Ltd.
- (ii). The projects also require environmental clearance (EC) as per the EIA Notification, 2006 from the Maharashtra SEIAA.
- (iii). The Member Secretary informed the EAC that as per the Ministry's OM dated 26th April 2022, the instant project requires composite clearance (EC+CRZ) from SEIAA based on

the recommendations of SEAC. As per the OM, being tourist hotel / resort proposal, the Ministry shall send its recommendations to the concerned SEIAA.

- (iv). The Committee suggested that the Ministry may send its decision to the SEIAA as per the existing rule and procedure.

Item No. 3.7

Proposal for development of “New Four Lane Elevated Road from Chennai Port to Maduravoyal (NH-4) proposed by the Chief Engineer, Chennai Port Authority, Chennai-CRZ Clearance regarding [IA/TN/CRZ/411805/2022] [F.NO.11/6/2023-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 development of “New Four Lane Elevated Road from Chennai Port to Maduravoyal (NH-4) by M/s Chennai Port Authority.
- (ii) The CRZ Clearance for proposed development was first obtained in 2011 *vide* Ref: F.No.11-23/2009-IA-III, dated 25th February, 2011. Project construction works had commenced in 2009 and then stalled in year 2012. In the meantime, validity of the CRZ Clearance had been extended upto February 2021 *vide* Ref: F.No.11-23/2009-IA.III(pt.), dated 27th June, 2016.
- (iii) The alignment of proposed elevated corridor falls in two districts of Tamil Nadu, namely Chennai and Tiruvallur. Project corridor starts from Chainage Km -0+342 inside Chennai Port and ends at Chainage Km 20+223.055 after Maduravoyal interchange. Of the total alignment, Chainage Km -0+342 to Km 9+350 (total ~9.70 kms) falls in CRZ area thereby attracting provisions of CRZ Notification and requires necessary CRZ Clearance for the development.
- (iv) This portion of the alignment lies within Chennai Metropolitan area in Chennai District. Coordinates of alignment Start from 13^o04’33.51” N, 80^o17’16.48” E and end point 13^o03’38.70” N, 80^o09’12.67” E.
- (v) Proposed project development falls in CRZ IB, CRZ II and CRZ IVB categories. Proposed development is Four Lane Elevated Road with length of ~20.565 kms, planned along bank of Cooum River; 375 piers will be in Cooum River of which 210 are in CRZ area. Chainage Km -0+342 to Km 9+700 falls in CRZ area.
- (vi) Project corridor starts within the premises of Chennai Port and continues along the Bank of Cooum River until Koyambedu. Beyond Koyambedu, the alignment follows along centreline of existing NH-4 up to Maduravoyal Interchange and terminates after

the interchange with a total length of 20.565 Km. Along its path, proposed corridor passes through major urban and commercial corridors in Chennai City such as Chintadripet, Egmore, Aminjikarai, Nungambakkam, Arumbakkam, Koyambedu and Maduravoyal.

- (vii) The proposed elevated road of total length ~ 20.565 km, will be a 4-lane configuration. The deck width will be 23 m. The project alignment crosses the HTL as well as the LTL at several locations along its alignment in CRZ area.
- (viii) The Guindy National Park is located ~7 km from the elevated corridor. NBWL authenticated map showing distance of the Guindy National Park from the project area has been submitted along with CRZ application.
- (ix) The estimated total Project Cost is ₹5,721.33 Crores (based on 2020-2021 SOR Rates); project cost for Package I and II (which falls in CRZ area) is ₹3,142.72 Crores.
- (x) Tamil Nadu Coastal Zone Management Authority (TNCZMA) has recommended the above proposal for clearance *vide* their letter No. 18818/EC.3/2022-1, dated 05th December, 2022.

2. Deliberations in the EAC:

The Committee made detailed deliberation on the proposal. The Committee observed that inordinate delay is happening in the execution of the project. The Committee suggested that design and construction of pier shall be done in consultation with PWD as they are managing the Cooum River restoration project. The Committee noted that there are many piles constructed for the project and abandoned for a long time. The Committee suggested that if such piles are proposed to be used in the project, structural aspects of piles shall be vetted through IIT Chennai / other reputed agencies. The Committee has also noted that CRZ clearance was granted to the project for construction of elevated road *vide* ministry's letter dated 23rd September, 2020. The said project, however, does not envisaged ramps and proposed with single deck only and the proposed project envisages new four lane elevated road from Chennai Port.

The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, in supersession of the CRZ clearance dated 23rd September, 2020, subject to the following conditions:

- (i) Construction of pier in areas crossing rivers shall be undertaken in consultation with Tamil Nadu PWD.
- (ii) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- (iii) Pillar and Pile caps shouldn't affect the flow water in creek during flood and normal conditions.
- (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 bridge.

- (v) Temporary structures raised for construction activity on land, intertidal tidal area and creek shall be removed within one month of completion of construction activity.
- (vi) Flow of natural tidal water to mangroves should remain un-affected and thus adequate measures to be provided to maintain un-interrupted tidal water to mangroves.
- (vii) The conditions stipulated by the Tamil Nadu Coastal Zone Management Authority issued vide its letter No. 18818/EC.3/2022-1, dated 05th December, 2022, shall be followed.

Item No. 3.8

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, Maharashtra by M/s JSW Steel Ltd- CRZ Clearance regarding [IA/MH/CRZ/288138/2022] [F.NO.11/7/2023-IA.III]

The project proponent informed that 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.

2. Deliberations in the EAC:

The EAC noted that the project proponent has not made available the EIA / EMP report alongwith other documents for appraisal of the Committee and deliberation on the proposal without a detailed examination of the project may not serve the purpose. The Committee desired that the PP shall circulate the EIA / EMP and other requisite documents as per the Agenda.

The proposal is accordingly deferred for consideration in the next meeting.

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

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

List of the Expert Appraisal Committee (CRZ) Members participated during Video Conferencing (VC) Meeting held on 17th January 2023.

| S. No. | Name of Members | Designation |
|---------------|----------------------------|-----------------------|
| 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 Jeykrishnan | Member |
| 9. | Shri R.S.P. Verma | Member |
| 10. | Dr. H. Kharkwal | Member Secretary |
| 11. | Dr. Nobi E.P. | Scientist 'B', MoEFCC |
