

**MINUTES OF THE 259th MEETING OF THE EXPERT APPRAISAL COMMITTEE
FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON
19th MARCH, 2021**

The 259th meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 19/03/2021 through Video Conferencing due to prevalent pandemic situation. The members present are:

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|-----|----------------------------|---|------------------|
| 1. | Dr. Deepak Arun Apte | - | Chairman |
| 2. | Dr. Manoranjan Hota | - | Member |
| 3. | Shri S. Jeyakrishnan | - | Member |
| 4. | Shri Manmohan Singh Negi | - | Member |
| 5. | Shri Sham Wagh | - | Member |
| 6. | Prof. Ashok Kumar Pachauri | - | Member |
| 7. | Dr. M.V. Ramana Murthy | - | Member |
| 8. | Dr.V.K. Jain | - | Member |
| 9. | Dr. R.P.S. Verma | - | Member |
| 10. | Dr. H. Kharkwal | - | Member Secretary |

Prof. Mukesh Khare and Ms Bindhu Manghat were absent.

In attendance: Dr. Saranya.P, Joint Director and Dr. Bhawana Kapkoti Negi, Technical Officer, MoEF&CC. The deliberations held and the decisions taken are as under:

2.0 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The Committee having noted that the Minutes of the 257th meeting are in order, confirmed the same with suggestions that in case any typographical / grammatical errors are noticed in due course, the same may be corrected suitably.

2.1 Mumbai Coastal Road (South) from Princess Street Flyover to Worli end of Sea Link in Mumbai by M/s Municipal Corporation of Greater Mumbai (MCGM) - Amendment in CRZ Clearance [IA/MH/CRZ/194000/2021] [F.No 19-74/2016-IA.III]

The proposal for amendment in the CRZ clearance accorded to M/s Municipal Corporation of Greater Mumbai for the project 'Mumbai Coastal Road (South) from Princess Street Flyover to Worli end of Sea Link' vide letter dated 11/05/2017, was recommended by the EAC(CRZ) in its meeting held on 05/03/2021, subject to additional conditions:

- (i) *All the conditions stipulated by the State CZMA be adhered to and implemented.*
- (ii) *The project proponent shall intimate the Hon'ble Supreme Court and Hon'ble High Court with regard to the amendment in the CRZ clearance and necessary approval as may be deemed fit.*
- (iii) *Construction and reclamation activities shall be strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.*
- (iv) *Conservation of corals shall be done as per the biodiversity management plan prepared.*

- (v) *Reclaimed surfaces shall be monitored for the growth of the marine life / intertidal habitats and explore establishment of Artificial Reefs to promote the marine biodiversity with consultation of Mangrove Foundation of Maharashtra through the 2% CER funds provided by MCGM to Mangrove Foundation.*
- (vi) *The shoreline of entire project site and sea levels atleast four locations along the coastal road to be monitored annually using automated gauges.*

2. M/s Municipal Corporation of Greater Mumbai vide email dated 16/03/2021 has requested to incorporate the following table as mentioned in the MCZMA recommendation letters No. CRZ/2020/CR 136/ TC 4, dated 10/12/2020 and 11/02/2021, which was inadvertently missed out in the Minutes of the meeting held on 05/03/2021:

<i>S. No</i>	<i>Particulars</i>	<i>As per CRZ Clearance received</i>	<i>Proposed amendment</i>
1.	Total Length of proposed project (Km)	9.98	10.58
2.	Total project area under CRZ (Ha)	117.05	135.30
3.	Total Cost (Crores)	5303.00	8429.44
4.	Reclamation Area (Ha)	90.00	111.00

3. *The Committee agreed to incorporate the missed out facts and reiterated its stand as per the minutes of the 257th meeting held on 05/03/2021.*

3.0 CONSIDERATION OF PROPOSALS

FRESH PROPOSALS

3.1 Laying of iron ore slurry pipeline system from Koira/Barbil/Joda in Keonjhar district to Paradip in Jagatsinghpur district to transport 30 MTPA Iron ore concentrate by M/s JSW Utkal Steel Limited-CRZ Clearance

[IA/OR/CRZ/199461/2021] [F.No 11/6/2021-IA.III]

The proposal of M/s JSW Utkal Steel Limited is for laying of iron ore slurry pipeline system from Koira/Barbil/Joda in Keonjhar district to Paradip in Jagatsinghpur district to transport 30 MTPA Iron ore concentrate. The project proponent made a presentation and provided the following information:

- (i) The proposed project is for laying of iron ore slurry pipeline system from Koira/Barbil/Joda in Keonjhar district to Paradip in Jagatsinghpur district to transport 30 MTPA Iron ore concentrate.
- (ii) Slurry pipeline will start from Nuagaon Iron ore mines (Keonjhar) and end at proposed ISP at Paradip. The location of proposed ISP is, Paradip, Erasama, Jagatsinghpur and Odisha.
- (iii) The length of main slurry pipeline is 324 Km and area about 228.5 acres.

- (iv) Out of 324 Km, 3.1 km pipeline will be pass through the CRZ area which covered 2.66 acres area.
- (v) The pipeline will be laid in mostly ROW.
- (vi) The proposed pipeline passes through CRZ-III, CRZ –IV and non-CRZ area.
- (vii) 5.5566 ha forest area will be involved for the proposed slurry pipeline.
- (viii) Proposed slurry transportation plan is about 30 MT/year.
- (ix) During operational period, 3220 KLD water is required for proposed project. The water will be sourced from surface.
- (x) Estimated energy requirement is 20000 KWH during construction phase & 10 MVA during operation phase which shall be sourced through TPCODCL (Tata Power Central Odisha Distribution Ltd).
- (xi) The employment potential of the project is 425 (125 permanent employed during operational phase and 300 nos during construction phase).
- (xii) The total cost of the project is ₹2430 Crores.
- (xiii) Odisha Coastal Zone Management Authority has recommended the project *vide* its letter No. OCZMA/55/2020/43/OCZMA, dated 01/02/2021.

2. The Committee was informed by the project proponent that the proposed iron ore slurry pipeline system of 30 MTPA capacity does not pass through any National Parks, sanctuaries, ecologically sensitive area etc. hence does not attract the provisions of the EIA Notification, 2006. The Committee took note that the instant proposal is a part of the Integrated steel plant along with the captive jetty(ies) which would entail savings in the cost of production and overall boost to the industrialisation efforts of the Nation as well as the Government of Odisha. Proposed captive jetty(ies)facility would be well equipped to handle various cargo of about 52 MTPA.

3. The Committee was informed that the CRZ map (1:10000 scale) prepared by project proponent for the proposed integrated steel plant site at Paradip and received in the Ministry *vide* letter No. JSW/U/O/2021/88, dated 20/03/2021, clearly shows there are few activities proposed in CRZ-III (NDZ), CRZ-IV A, CRZ-IVB and in parts of mudflats and sand dunes (CRZ 1A). The Committee was also informed that NCSCM, Chennai *vide* its report No. NCSCM/GEO/CRZ/2019/33, stated that the proposed steel plant falls with CRZ category such as CRZ 1A (*denotified reserve forest area- MoEF order No. 8-63/2007-FC, dated 04/05/2011*) and green belt is proposed in CRZ 1A (sand dunes). ***The Committee, therefore, desired that the observations of the Committee shall be forwarded to the concerned sector (Industry-1) for taking an appropriate decision, while dealing the project of Integrated Steel plant as setting up steel plant (CRZ-1A) or green belt (CRZ-1A sand dune) is a prohibited activity as per extant norms of the CRZ Notification, 2011. Also to note that no plantation should be done on sand dunes except those species of grasses and creepers which naturally occur and are native to the area.***

4. The Committee took note of the riverine ecology monitoring and management report for the instant project i.e. slurry pipeline project, which is on opposite side of ISP and found it to be satisfactory. The Committee further noted that the proposed slurry pipeline involves 5.5566 ha of forest area and necessary clearance may be obtained from the Competent Authority.

5. Based on the deliberations held and submissions made, the Committee decided that, in so far as the slurry pipeline is concerned, the proposal can be recommended for CRZ clearance subject to following conditions:

- (i) That the proposal is still viable species to the observation made in sr. no. 3 as stated above
- (ii) This clearance is subject to prior clearance under Forest (Conservation) Act, 1980 for diversion of 5.5566 ha of forest area for proposed slurry pipeline project.
- (iii) No groundwater shall be extracted to meet with the water requirements during the construction/operations 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 physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vi) ***The Committee, vide observation in sr. no 3 above desired that the same shall be forwarded to the concerned sector (Industry-1) for taking an appropriate decision, while dealing the project of Integrated Steel plant as setting up steel plant (CRZ-1A) or green belt (CRZ-1A sand dune) is a prohibited activity as per extant norms of the CRZ Notification, 2011. Also to note that no plantation should be done on sand dunes except those species of grasses and creepers which naturally occur and are native to the area.***

3.2 Proposal for laying/rerouting of pipeline for discharge of treated effluent into the sea from plant to outfall diffuser by M/s Grasim Industries Ltd -CRZ Clearance reg.

[IA/KA/CRZ/192236/2021] [F.No 11/7/2021-IA.III]

The proposal of M/s Grasim Industries Limited is for laying/rerouting of pipeline for discharge of treated effluent into the sea from plant to outfall diffuser. The project proponent made a presentation and provided the following information:

- (i) The proposal is for laying/rerouting of pipeline for discharge of treated effluent into the Sea from the plant to outfall diffuser.
- (ii) The total length of proposed pipeline is about 2.1 km, out of which 1644.4 m is traversing in CRZ area.
- (iii) The length of pipeline from seashore to deep sea will be 865.59 m and the depth of outfall point from surface of sea water will be 9 m.
- (iv) The pipeline will pass through CRZ 1B (155.86 m), CRZ-II (622.95 m) and CRZ IVA (865.59 m).
- (v) The pipeline will be laid through HDD methodology.
- (vi) The coordinates of LFP is 14°47' 13.13 N and 74° 07'4.35 E (CRZ-1) and Outfall diffuser point is 14° 46'49.45 N and 74°06'39.96 E (CRZ-IVA)
- (vii) A total 2.17 KLD water will be required for proposed project.
- (viii) The employment potential of the project is 100 persons during construction phase.
- (ix) The total cost of the project is ₹3 Crores.
- (x) The Karnataka Coastal Zone Management Authority (KCZMA) has recommended the proposal for clearance vide their letter No. FEE 51 CRZ 2020, dated 08/10/2020.

2. The Committee noted that M/s Grasim Industries Limited, Karwar has been discharging treated effluent since 1979. The Committee was informed that the major part of this pipeline is passing through the residential colony of Indian Navy and presently, Indian Navy is expanding their residential colony in that area and thus there is a need to reroute the pipeline for discharging the treated effluent into marine. The Committee also took note that the CSIR NIO has conducted the marine studies and arrived at the outfall diffuser point 14° 46'49.45 N and 74°06'39.96 E for better dispersion.

3. Based on the deliberations held and submissions made, the Committee recommended the proposal for CRZ clearance subject to following conditions:

- i. No groundwater shall be extracted to meet with the water requirements during the construction phase of the project.
- ii. The treated effluent discharged into the sea shall strictly conform to the standards prescribed by CPCB/SPCB from time to time.
- iii. 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.
- iv. Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.

3.3 Proposal for setting up 30 MLD Desalination Plant for Gujarat Water Infrastructure Limited (GWIL) at Village Vadodara Zala, Taluka Sutrapada, District-Gir-Somnath, Gujarat by M/s Gir Somnath Desalination Private Limited - CRZ Clearance reg.

[IA/GJ/CRZ/202928/CRZ/2021] [F.No 11/9/2021-IA.III]

The proposal of M/s Gir Somnath Desalination Private Limited is for setting up 30 MLD Desalination Plant for Gujarat Water Infrastructure Limited (GWIL) at Village Vadodara Zala, Taluka Sutrapada, District-Gir-Somnath, Gujarat. The project proponent made a presentation and provided the following information:

- (i) Gujarat Water Infrastructure Limited (GWIL) has a mission to establish bulk water pipeline networks to meet the fresh water needs of the Gujarat state. The proposal is for setting up a Sea-water reverse-osmosis (SWRO) based desalination plant of 30 MLD capacity at the Vadodara Zala Village, Sutrapada Taluka, Gir-Somnath District, Gujarat.
- (ii) The proposed Intake and outfall pipelines on the seabed. The details of the location are as follows:

<i>Description</i>	<i>Geographical coordinates (WGS – 84)</i>	
	<i>Latitude, N</i>	<i>Longitude, E</i>
LFP	20°48'12.7"	70°32'29.5"
Intake Dist.: 600 m from LFP Depth: 11.2 m CD	20°47'56.0"	70°32'19.3"
Outfall	20°47'44.6"	70°32'12.2"

Dist.: 1000 m from LFP Depth: 18.0 m CD		
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- (iii) The proposed pipeline will be pass through CRZ-IB, CRZ-III and CRZ-IV. The details are given below:

<i>S.No</i>	<i>Project Details</i>	<i>CRZ Classification</i>	<i>Length (m)</i>	<i>Total (m)</i>
1.	Proposed intake pipeline	CRZ-IB	179	865
		CRZ-III	16	
		CRZ-III (NDZ)	281	
		CRZ-IV	389	
2.	Proposed outfall diffuser	CRZ-IB	178	1277
		CRZ-III (NDZ)	300	
		CRZ-IV	799	

- (iv) The Plant is located in CRZ-III areas.
- (v) Total 81 MLD sea water will be intake and 30 MLD product water will be used and 51 MLD brine will be discharge.
- (vi) To minimize destruction on sub-tidal benthic community, the trenching on the rocky seafloor may be carried out by cutter suction and not by rock blasting.
- (vii) The flow velocity into the intake should not exceed 0.15 m/s.
- (viii) Intake should have appropriate screens (<10 mm) and trash bars with small openings (<10 cm) to minimize the entry of small marine organisms.
- (ix) Multiport diffusers of 7 numbers of each 300 mm diameter are to be provided to ensure optimum dilution.
- (x) Pipelines mounted with concrete blocks will be buried below sea floor.
- (xi) After laying the pipeline, trenches will be refilled with soft materials and mass concrete.
- (xii) Offshore work has to be avoided during notified ban period for breeding season.
- (xiii) Barricading across the surf zone should not exceed 3 months to avoid shoreline erosion.
- (xiv) The total cost of the project is ₹245 Crores
- (xv) Gujarat Coastal Zone Management Authority (GCZMA) has recommended the project vide its letter No. ENV-10-2021-50-E (T cell), dated 08/03/2021.

2. The Committee noted that there is no construction in CRZ-1 A area and no mangroves are affected due to this project site. The Committee took note that the project site is near the sporadic Turtle nesting and desired appropriate Turtle Management Plan in coordination with State Forest department shall be undertaken for conservation of Turtle nesting sites. The Committee also took note that the design of the proposed desalination plant does not fall in the sand dunes areas though they are in the vicinity of the project site. The Committee desired that the project proponent shall protect the sand dunes with the help of purely native species found in these areas such as grass and creepers.

3. The Committee took note that the morphology of the shoreline in Sutrapada is rocky bed. The Committee desired that the pipelines (intake and Outfall) shall be laid from plant to HTL using

HDD methodology and from HTL to the intake & outfall point by cutting the rocks and burying the pipeline and replacing back the rocks appropriately.

4. Regarding the feasibility of supplying brine water (with necessary treatment so that it is suitable for bird health as well as for salt) to authorized saltpan agencies instead of discharging into sea or arrange to facilitate setting up of a salt manufacturing unit in the area, the Committee was informed by the project proponent that the efforts are taken to facilitate nearby salt industries to utilize a part of the treated brine for production of salt and based on availability of land, efforts will be made to explore the possibility to create salt marsh for storing treated brine for the benefit of migratory birds. The Committee was also informed that experts from CSIR - CSMCRI, Bhavnagar are being involved in developing a prototype to ensure that the treated brine is safe for the migratory birds.

5. The Committee further noted that the GWIL has planned to set up multiple desalination plants viz. (a) Gandhvi in Devbhoomi Dwarka district, (b) Sutrapada in Gir-Somanth District, (iii) Ghoga in Bhavnagar District and (iv) Mandavi in Kachchh District in the State of Gujarat. The Ministry may request Government of Gujarat to frame a strategy to be adopted for reuse of brine discharge from desalination plants on saltpans and migratory birds, in consultation with SACON, an autonomous body of MoEFCC specialized in migratory birds, so that we may adopt the same for all the desalination plants across the coastal states.

6. Based on the deliberations held and submissions made, the Committee recommended the proposal for CRZ clearance subject to following conditions:

- (i) The CRZ -1A area within the plant premises shall be undisturbed.
- (ii) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (iii) No groundwater shall be extracted to meet with the water requirements during the construction phase of the project
- (iv) The pipelines (intake and Outfall) shall be laid from plant to HTL using HDD methodology and from HTL to the intake & outfall point by cutting the rocks and burying the pipeline and replacing back the rocks appropriately.
- (v) The water quality and marine ecosystem to be monitored around 500 m radius of the outfall location
- (vi) The project proponent shall protect the sand dunes with the help of purely native species found in these areas such as grass and creepers. Necessary funds will be provided by the project proponent to the implementing agency for the same.
- (vii) As committed by the project proponent, appropriate Turtle Management Plan in coordination with State Forest department shall be undertaken for conservation of Turtle nesting sites, in case if any sporadic nesting in coming years. Necessary funds will be provided by the project proponent to the implementing agency.
- (viii) The project proponent shall assist in developing a prototype with CSIR- Central Salt and Marine Chemicals Research Institute (CSMCRI) as committed, to reuse the brine discharge for saltpans as migratory bird habitat instead of discharging into sea, while ensuring that the treated brine is safe for the birds and shall submit a report within one year to this Ministry. Necessary funds will be provided by the project proponent to the implementing agency

- (ix) 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.
- (x) Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (xi) Rocky shore flora and fauna be monitored through an expert of international repute during and post construction atleast for one year to ensure mitigation plans are in place and implemented as recommended.

3.4 Proposal for setting up 70 MLD Desalination Plant at Gandhvi, Toukal, Kalyanpur, District Devbhoomi Dwarka, Gujarat by M/s Dwarka Sea Water Desalination Private Ltd (for Gujarat Water Infrastructure Limited) -CRZ Clearance reg.

[IA/GJ/CRZ/202924/CRZ/2021] [F.No 11/10/2021-IA.III]

The proposal of M/s Dwarka Sea Water Desalination Private Ltd is for setting up 70 MLD Desalination Plant at Gandhvi, Toukal, Kalyanpur, District Devbhoomi Dwarka, Gujarat. The project proponent made a presentation and provided the following information:

- (i) Gujarat Water Infrastructure Limited (GWIL) has a mission to establish bulk water pipeline networks to meet the fresh water needs of the Gujarat state. The proposal is for setting up a Sea-water reverse-osmosis (SWRO) based desalination plant of 70 MLD capacity at the Gandhvi, Toukal, Kalyanpur, District Devbhoomi Dwarka, Gujarat
- (ii) The proposal comprises of intake head with at 1050 m distance from the Land Fall Point (LFP) and outfall diffuser discharge brine effluent at 1500 m from the LFP.
- (iii) The proposed pipeline will pass through CRZ-IA, CRZ-IB, CRZ-III (NDZ), CRZ-III and CRZ-IV.
- (iv) The proposed desalination plant is planned to withdraw seawater and after desalination discharge the brine reject in the Sea. The location details of the seawater intake and brine reject with respect to LFP are given below.

<i>Description</i>	<i>Geographical Coordinates (WGS – 84)</i>		<i>UTM Coordinate (Zone 42)</i>	
	<i>Latitude, N</i>	<i>Longitude, E</i>	<i>Easting (m)</i>	<i>Northing(m)</i>
LFP	21°50'20.5"	69°21'15.3"	536609	2415052
Intake				
Intake Distance = 1050 m from LFP Depth = 8.3 m CD; 11.0 m HHTL	21°49'54"	69°20'51"	535937	2414244
Outfall				
Outfall diffuser Length= 1500 m from LFP Depth= 12.9 m CD; 15.6 m HHTL	21°49'42"	69°20'42"	535675	2413879

(v) The detailed intake and outfall pipeline length is given below:

S. No.	CRZ area	Intake pipeline length	Outfall pipeline length
1.	CRZ-IA,	98.2m	97.8 m
2.	CRZ-IB,	42.5 m	43.2 m
3.	CRZ-III (NDZ)	135.7 m	140.9 m
4.	CRZ-III	31.0 m	29.9 m
5.	CRZ-IV	939.6 m	1388.4 m
Total length		1247.1 m	1694.2 m

- (vi) Total sea water of 189 MLD will be taken and 70 MLD product water will be generated through the process and 119 MLD brine will be discharged.
- (vii) The flow velocity into the intake should not exceed 0.15 m/s The flow into the intake well should not be from top to avoid dragging people It should be sideways protected by mesh/screen
- (viii) Intake should have appropriate screens 10 mm) and trash bars with small openings 10 cm) to minimize the entry of small marine organisms
- (ix) Multiport diffusers of 8 numbers of each 400 mm diameter are to be provided to ensure optimum dilution
- (x) The employment potential of the project is 70 persons.
- (xi) The total cost of the project is ₹550 Cr.
- (xii) Gujarat Coastal Zone Management Authority (GCZMA) has recommended the project vide its letter No. ENV-10-2021-18-T, dated 08/03/2021.

2. The Committee was also informed by the project proponent that the turtle nesting is not noticed at project site, based on ecology & biodiversity study covering 10 km radius around the proposed project site. The project proponent further committed that in case if any sporadic nesting in coming years, appropriate Turtle Management Plan in coordination with State Forest department shall be undertaken for conservation of Turtle nesting sites.

3. The Committee noted that no mangroves are affected due to this project site. The Committee also took note that the design of the proposed pipelines falls in the sand dunes areas and desired the project proponent shall protect the sand dunes with the help of purely native species found in these areas such as grass and creepers. The Committee also took note that the fence of the plant is being constructed in CRZ-III (NDZ) and desired that there is no requirement of the same. However, small pillars at equal distance may be erected for demarcation of the plant boundary.

4. Regarding the feasibility of supplying brine water (with necessary treatment so that it is suitable for bird health as well as for salt) to authorized saltpan agencies instead of discharging into sea, the Committee's opinion is recorded in Agenda 3.3 para 4 & 5.

5. Based on the deliberations held and submissions made, the Committee recommended the proposal for CRZ clearance subject to following conditions:

- (i) No groundwater shall be extracted to meet with the water requirements during the construction phase of the project.

- (ii) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (iii) The project proponent shall protect the sand dunes with the help of purely native species found in these areas such as grass and creepers. Necessary funds will be provided by the project proponent to the implementing agency for the same.
- (iv) The water quality and marine ecosystem to be monitored around 500 m radius of the outfall location.
- (v) As committed by the project proponent, appropriate Turtle Management Plan in coordination with State Forest department shall be undertaken for conservation of Turtle nesting sites, in case if any sporadic nesting in coming years. Necessary funds will be provided by the project proponent to the implementing agency.
- (vi) The project proponent shall assist in developing a prototype with CSIR- Central Salt and Marine Chemicals Research Institute (CSMCRI) as committed, to reuse the brine discharge for salt pans as migratory bird habitat instead of discharging into sea, while ensuring that the treated brine is safe for the birds and shall submit a report within one year to this Ministry. Necessary funds will be provided by the project proponent to the implementing agency
- (vii) The project proponent shall erect small pillars at equal distance to demarcate the project boundary and shall not construct any fence.
- (viii) 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.
- (ix) Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (x) The project proponent shall close the dune after completion of project and restoration activities shall be undertaken under supervision of the State Forest Department. Sand dune restoration will be done exclusively by using native vegetation such as grasses and creepers which grow naturally on sand dunes.
- (xi) Rocky shore flora and fauna be monitored through an expert of national and international repute during and post construction atleast for one year to ensure mitigation plans are in place and implemented as recommended

3.5 Proposal for Construction of Hotel & Resort at S.No.67/8C1D16A,67/8C1D16B,67/8C1D16C,67/8C1D16D,67/8C1D16E,67/8C1D17,67/8C1D18,67/8C1D19,67/8C1D20,67/22,67/23B,67/24,67/25,67/26B,67/57,67/195 & 67/196 of Krishnakarani Village, Nemmeli Panchayat, Thiruporur Taluk, Chengalpattu District by M/s Ceebros Hotels Pvt Ltd - CRZ Clearance [IA/TN/CRZ/202536/2021] [F.No 11/11/2021-IA.III]

The proposal of M/s Ceebros Hotels Pvt Ltd is for construction of Hotel & Resort at S.No.67/8C1D16A, 67/8C1D16B, 67/8C1D16C, 67/8C1D16D, 67/8C1D16E, 67/8C1D17, 67/8C1D18, 67/8C1D19, 67/8C1D20, 67/22,67/23B, 67/24, 67/25, 67/26B, 67/57, 67/195 & 67/196 of Krishnakarani Village, Nemmeli Panchayat, Thiruporur Taluk, Chengalpattu District. The project proponent made a presentation and provided the following information:

- (i) The proposed resort blocks A, B & C consists of Lower Ground Floor, Ground Floor and First Floor. Block D with Lower Ground Floor and Ground Floor. Block E and Villa with Lower Ground Floor with 156 Rooms and 25 Villas along with allied amenities.

- (ii) The total area is 231.07 acres. Desilting will be carried over on 176.35 acres in Adyar River. The islands in the river covering an area of 54.72 acres is exempted from desilting.
- (iii) Total plot area is 67,339.17 Sq.m and total Built-up area is 22652.48 Sq.m.
- (iv) The height of structure is about 8.95 m from existing Road Level. FSI ratio is 0.316 which is as per the governing town planning rules/ regulations
- (v) The project site falls in CRZ-III area, as per the approved CZMP of Tamil Nadu.
- (vi) The total area of existing building is 464.60 sq.m.
- (vii) The total plot area will cover 33,145.44 sq.m (49.22%) area under landscape/ green belt, which will help to absorb noise.
- (viii) Total water requirement for the proposed development is 160 KLD of which 130 KLD will be fresh water; Fresh water will be sourced from Authorized Tankers/ Panchayat Provision.
- (ix) It is proposed to install an STP of capacity 150 KLD to treat wastewater generated from the resort. Treated water will be used for toilet flushing, Greenbelt, HVAC.
- (x) Total 548 Kgs/day comprising of 329 Kgs of Organic Wastes, which shall be treated in-situ using OWC and the recyclable wastes of 219 Kgs/day shall be disposed through recyclers.
- (xi) The roof top water will be drained through secluded down comers and will be collected in the rainwater harvesting sump and the excess will be diverted to the rainwater drain channels of 1 m wide provided along the site boundary.
- (xii) The surface runoff will be diverted to the storm water drain with online percolation pits for recharging of ground water. Excess or peak flow will be drained through the storm water drains and eventually drained into the Bay of Bengal.
- (xiii) The harvested rainwater shall be used within the site after prior treatment.
- (xiv) The employment potential of the project is 912 persons.
- (xv) The total cost of the project is ₹141 Cr.
- (xvi) Tamil Nadu Coastal Zone Management Authority (TNCZMA) has recommended the project vide its letter No. 1217/EC.3/2021-1, dated 25/02/2021.

2. The Committee took note that the proposed resort blocks A, B & C consist of lower ground floor, ground floor and first floor. Block D with lower ground floor and ground floor. Block E and Villa with lower ground floor with 156 Rooms and 25 Villas along with allied amenities. *As per Annexure III of the CRZ Notification, 2011, the overall height of the project structure shall not exceed 9 metres and the construction shall not be more than two floors (ground floor plus one upper floor). Further, as per extant norms of the CRZ regulation, the project construction of basement may be allowed subject to the condition that no objection certification is obtained from the State Ground Water Authority to the effect that such construction will not adversely affect free flow of groundwater in that area.*

3. The Committee noted that the instant proposal is of 8.95 m and consist of three floors i.e. lower ground floor, ground floor and first floor. The Committee further decided that the proposal may be modified as per extant provisions of the CRZ Notification and necessary permission, as may be applicable, may be obtained from State GWA for construction of basement. *Accordingly, the proposal was deferred.*

RECONSIDERATION

3.6 Laying of 7.1 km for HDPE pipeline in deep sea side and 3.35 km on land for carrying treated effluent from Tarapur MIDC by M/s MIDC - CRZ Clearance

[IA/MH/CRZ/186287/2020] [F.No.11/39/2016-IA.III]

M/s Maharashtra Industrial Development Corporation (MIDC) has submitted the proposal for 'laying of 7.1 km for HDPE pipeline in deep sea side and 3.35 km on land for carrying treated effluent from Tarapur MIDC' for CRZ clearance. The project proponent submitted the following information in EAC(CRZ) meeting held on 28/11/2017:

- (i) The project involves laying 1000 mm OD HDPE Marine outfall pipeline from Landfall point to outfall point (Diffuser) in Arabian Sea from MIDC Tarapur to Deep Sea at Navapur in Maharashtra.
- (ii) Total length of the pipeline from the Landfall Point to the suggested Offshore Point works out to be 7.1 km. Geographical Coordinates: 19°48'21.59" N; 72°37'25.35" E.
- (iii) Project components: The components of the project are as follows:
 - a. Pipeline (HDPE) of 1000 mm diameter to release 75 MLD treated effluent from Tarapur Industrial area into Arabian Sea (Navapur)
 - b. Construction of 3.5 m wide temporary approach road using initial lining of 2mm Geo textile film
 - c. Conducting marine Hydro-graphic (Bathymetry) survey
 - d. 1000 mm dia. Polyethylene Pipes with 6 kg/cm² design pressure. 7.1 km (0.9 km intertidal) long line will be laid using 12 m long PP pipes sections, 2.5 m below the sea bed.
 - e. Providing erecting and placing RCC primary and secondary blocks as per design
 - f. Deploying suitable dredging equipment and carrying out in-water dredging in the open sea
- (iv) To cater for the present needs and also the expected expansion two different quantities of effluents (80 MLD & 120 MLD) were considered for modelling purpose. The location was selected in the coastal waters off Tarapur with the geographical co-ordinates 19°48'21.59" N; 72°37'25.35" E with a depth of 12 m below CD. The model was run for 10 days by introducing BOD concentration of 100 mg/l at proposed Disposal Point by considering ambient BOD is 1mg/l. The maximum BOD concentration at 100 m distance from proposed outfall would be around 1mg/l above ambient for 80 MLD & 1.5 mg/l above ambient for 120 MLD. At the edge of 200 m near ambient conditions would prevail.
- (v) Water requirement: Water will be required for construction phase. Same will be made available through tankers.
- (vi) Total excavation of sea floor will be about 2,50,000 Cubic Meters. Within the Intertidal zone, the trench will be excavated by Earth moving Machines.
- (vii) Interlocking Sheet Piles will be driven on the Sea Bed to prevent collapse of the Trench up to a length of 900 Meters from the HTL. The excavated material shall be temporarily stored on the Sea Floor in an evenly distributed manner and the same material shall be used for refilling the trench after laying pipeline. Surplus excavated material (sand-about 7,000 Cubic Meters) after Backfilling, will be disposed in to the nearby sea area in an evenly distributed manner to avoid obstruction to navigation.

- (viii) The project falls in CRZ IB and CRZ IVA areas as per layout superimposed on CRZ map of 1: 4000 scale prepared by Institute of Remote Sensing, Anna University, Chennai.
- (ix) Approx. 30 to 40 indirect employment due to the proposed project.
- (x) The total cost of the project is ₹116 Crores.
- (xi) The Maharashtra Coastal Zone Management Authority (MCZMA) recommended the project vide their letter No. CRZ 2016/CR 197/TC 4 dated 27th October, 2016.

2. The Committee in the said meeting held on 28/11/2017 had decided that only for completing civil and infrastructure works for laying of 7.1 km pipeline envisaged for marine outflow of the effluents from the CETP, the permission may be accorded. The Committee further recorded that no discharge/release of effluents would be allowed in the pipeline until and unless the proponent submits the analysis and effluent related information before the Committee and seeks clearance from MoEFCC for same. M/s MIDC has now submitted the independent study report regarding the inflow/outflow from the CETP carried out through NEERI and other statutory documents viz. CRZ map (1:4000 scale) for reconsideration in the EAC(CRZ) meeting held on 19.03.2021. The submissions are as under:

<i>S. No</i>	<i>Detailed information sought by EAC in its meeting held on 28/11/2017</i>	<i>Observations of the Committee</i>
1	Industry wise information on its name, category of industry (such as Dye and Dye & Dye intermediate, drugs and pharmaceuticals etc) water consumption and effluent discharge quantities, pollution load (BOD, COD, Ammoniacal nitrogen and heavy metals such as As, Pb, Cr, Cu and Zn) generated, and discharged industry wise to CETP	The Committee took note of the information submitted by the project proponent and found them satisfactory
2	Influent and effluent characteristics at CETP inlet and outlet with flow, day wise data for a week on composite samples for all the parameters as per MoEF&CC's notification.	
3	Existing treatment scheme and proposed modification if any	
4	Quantity of sludge generation (sludge from physico-chemical treatment and biological treatment - separately)	
5	Compliance status of effluent discharged by each industry to CEPT as well as discharged from CETP into sea, at present.	
6	For expansion from 25 MLD to 50 MLD, PP should provide treatment scheme and achievable quality based on treatability study	The Committee took note that the treatability study has been carried out by IIT, Bombay and found it satisfactory.

7	List for industries going for expansion and new industries registered and/ or planned with category of industry and quantity of water and effluent generation	The Committee took note of the information submitted by the project proponent and found it satisfactory
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3. The Committee was also informed by the project proponent that till date no discharge/release of effluent was made and the report regarding the inflow/outflow from the CETP was duly recommended by NEERI. The Committee found them satisfactory. The Committee also took note that the addition of replacement of existing old PSC pipeline of length 3.35 km (out of which 0.76 km falls in CRZ) on landward side by HDPE Pipeline, thus the instant proposal is for laying of pipeline 10.45 km for carrying treated Effluent from Tarapur MIDC to deep sea at Navapur. The Maharashtra CZMA has recommended the proposal of laying pipeline of 10.45 km vide its letter No. CRZ 2020/CR 33/TC 4, dated 01/12/2020.

Length of pipeline (km)	CRZ status	Landward/Seaward
10.45	IB, III, and IV	Both
2.59	Non CRZ	Landward side 3.35 km
0.15	CRZ III	
0.16	CRZ 1B	
0.45	CRZ III	
0.56	CRZ 1B	Seaward side 7.1 km
6.54	CRZ IV	

4. The Committee further noted that the location of intake in Tarapur CETP and Outfall location in Deep sea off Navapur is at 19°48'21.59" N and 72°37'25.35' (at point suggested by NIO). The Committee also took note that there are no mangroves in the entire alignment of the proposed pipeline.

5. Based on the deliberations held and submissions made, the Committee recommended the proposal for CRZ clearance subject to following conditions:

- (i) No groundwater shall be extracted to meet with the water requirements during the construction phase of the project.
- (ii) The treated effluent discharged into the sea shall strictly conform to the standards prescribed by CPCB/SPCB from time to time.
- (iii) The water quality and marine ecosystem to be monitored around 500 m radius of the outfall location for atleast 5 years after start of discharge through a reputed institute's like IIT Mumbai, NIO etc. or individuals of international repute
- (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 physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.

3.7 Proposed Temporary Working Space required at Pongi Balu for placement of HDD rig and other ancillary equipment and fabrication of pipe string at Rutland and placement of related equipment to complete the laying of sub-marine pipeline between Rutland and Pongi Balu across MacPherson’s strait in A&N Islands by M/s Andaman Public Works Department (APWD), Port Blair, Andaman & Nicobar-CRZ Clearance reg. [IA/AN/CRZ/188544/2020] [F.No.11/2/2021-IAIII]

The proposal of M/s Andaman Public Works Department (APWD), Port Blair, Andaman & Nicobar is for construction of temporary working space required at Pongi Balu for placement of HDD rig and other ancillary equipment and fabrication of pipe string at Rutland and placement of related equipment to complete the laying of sub-marine pipeline between Rutland and Pongi Balu across MacPherson’s strait in A&N Islands. It was placed in the 257th Meeting of the EAC (CRZ) held on 05/03/2021, wherein, the said proposal was not deliberated as Project Proponent did not attend the meeting and no documents were circulated to the Expert Committee Members for their consideration.

2. The proposal was reconsidered and the project proponent made a presentation and provided the following information to the Committee:

- (i) The proposed temporary working space required at Pongi Balu for placement of HDD rig and other ancillary equipment and fabrication of pipe string at Rutland and placement of related equipment to complete the laying of sub-marine pipeline between Rutland and Pongi Balu across MacPherson’s strait in A&N Islands.
- (ii) The proposal for laying of pipelines, which was already accorded by the MoEFCC *vide* their No. 11-87/2007 dated 24/12/2007.
- (iii) The proposed CRZ area fall in ICRZ-IA.
- (iv) Total 9450 Sq.m of area is proposed for temporary working space required at Pongi Balu Rutland Islands.
- (v) A total 3,350 sq.m of land area required for placement of Horizontal Directional Drilling (HDD) ring and other ancillary equipment at Pongi Balu, South Andaman.
- (vi) A total of 6100 Sq.m area is required for proposed temporary working and operation space at Rutland Island in A&N Islands, out of which 3,227 sq.m falls in Reserve Forest (Preservation Zone) and 2873 sq.m falls in National Park (Preservation Zone) as per IPZ Notification, 2011.
- (vii) An approx. 1800 m long pipeline of 12.75” diameter would be laid. The depth of pipeline will be 20 m below the lowest bed level between Pongi Balu and the Rutland Islands.
- (viii) The location details of the proposed activities are as under:

Proposed location for placement of HDD rig and other ancillary equipment at Pongibalu	
Latitude	Longitude
11 ⁰ 31’ 8.50” N	92 ⁰ 39’ 10.50” E
11 ⁰ 31’ 6.90” N	92 ⁰ 39’ 9.80” E
11 ⁰ 31’ 7.70” N	92 ⁰ 39’ 8.10” E
11 ⁰ 31’ 8.50” N	92 ⁰ 39’ 8.40” E
11 ⁰ 31’ 9.30” N	92 ⁰ 39’ 8.70” E

Proposed HDD Crossing Between Pongibalu to Rutland Island		
	Latitude	Longitude
Entry Point	11 ⁰ 31' 7.45" N	92 ⁰ 39' 8.45" E
Exit Point	11 ⁰ 30' 26.60" N	92 ⁰ 38' 30.80" E

Proposed Location for preparation of HDD pipe string and placement of other ancillary equipment at RM Point, Rutland		
Particulars	Latitude	Longitude
Unloading area	11 ⁰ 30' 31.65" N	92 ⁰ 38' 34.58" E
For HDD pipe string preparation, ancillary equipments, Mud Pit, proposed HDD line	11 ⁰ 30' 27.17" N to 11 ⁰ 30' 26.63" N	92 ⁰ 38' 30.54" E to 92 ⁰ 38' 31.08" E

- (ix) No ground water will be used. Water requirement will be 15 KLD & it will be sourced from APWD on chargeable basis.
- (x) Energy shall be obtained from DG sets. The DG stacks of adequate height will be provided.
- (xi) The municipal solid waste generated shall be handled and disposed as per extant rules.
- (xii) The construction waste like empty gunny bags, concrete pieces etc., will be disposed safely and residual drill mud will be treated in mud recycling unit.
- (xiii) In the proposed project other alternative of temporary working space entails diversion of large extent of forest land (3.15 ha.) and also felling more number of trees (993 nos.).
- (xiv) The temporary working space required 0.945 ha. diversion of extent of forest and 213 no trees to be felled at the both side (Pongibalu & Rutland).
- (xv) Local manpower (trained as well as untrained) of 50 Nos. shall be employed during the construction activities for a temporary time period.
- (xvi) The total cost of the project is ₹52.46 Cr.
- (xvii) Andaman & Nicobar Coastal Zone Management Authority (ANZMA) has recommended the project vide its letter No. PCCF/EPA/1/Vol-XVI/454, dated 04/02/2021.

2. The Committee was informed that the Port Blair, at present gets potable water from Dhanikhari dam which has a capacity of 8554 ML at the full reservoir level. The present supply of water from the reservoir is 33 MLD against the current demand of 42 MLD. As a result of considerable gap between the availability and the requirement there is acute shortage of potable water in Port Blair township. It was therefore proposed to augment the water supply to reduce the gap by tapping perennial Nallahs in Rutland island and transportation of water of the perennial nallahs from Rutland Island to Port Blair through sub-marine pipeline. The Committee took note that the proposed project entails

- construction of 03 nos. of check weirs each at Kumda Nallah, Kendi Nallah-1 and Kendi Nallah -2,
- laying of 05 arterial pipeline each connecting the water sources at two existing check weirs (at Badakhari Nallah and Bamboo Nallah) and
- 3 proposed check weirs as mentioned above to the main pipeline upto the shore of Rutland Island at RM Point and

- a sub-marine pipeline from RM Point to Pongi Balu in the South Andaman main island, where water will be stored in a sump and water will be transported to Dhanikhari Dam through surface laid D.I Pipeline from the sump.

3. The Committee further noted that the proposed temporary working and operation space at Rutland Island in A&N Islands falls in Reserve Forest (3227 sqm; Preservation Zone) and 2873 sq.m falls in National Park (Preservation Zone) and desired necessary permission shall be obtained from the Competent Authority.

4. Based on the deliberations held and submissions made, the Committee recommended the proposal for CRZ clearance subject to following conditions:

- (i) This clearance is subject to prior clearance under Forest (Conservation) Act, 1980 for diversion of 3,227 sq.m of forest area.
- (ii) Prior Clearance from the Standing Committee of the NBWL shall be obtained as may be applicable.
- (iii) No groundwater shall be extracted to meet with 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 physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
- (vi) The reef areas near and around Poongibalu jetty will be monitored by Zoological Survey of India (ZSI) for the impacts of operations and appropriate mitigation measures be taken as advised by ZSI. Special efforts be made to monitor Giant Clam *Tridacna crocea* and *Tridacna maxima* which occur near the jetty region.

3.8 Proposal for laying of pipelines at the Haldia Dock Complex, West Bengal by M/s Haldia Petrochemicals Ltd - CRZ clearance - reg.

[IA/WB/CRZ/183471/2020] [F.No 11-52/2020-IA III]

The proposal of M/s Haldia Petrochemicals Ltd is for laying of pipelines at the Haldia Dock Complex. The project proponent made a presentation and provided the following information:

- (i) M/s Haldia Petrochemicals Ltd applied CRZ clearance for laying of pipelines from HPL facilities to the Oil Jetties of Haldia Dock Complex.
- (ii) Haldia Petrochemicals Limited (HPL), has a Naphtha based petrochemical manufacturing industry in Haldia, Purba Medinipur District. The facility is under expansion mode and has obtained the requisite Environmental Clearance on 20 March, 2018 from Ministry of Environment, Forest and Climate Change.
- (iii) The proposed Project site of Haldia Petrochemicals Ltd Geo-coordinates are as follows.
 - 22° 3'33.70"N and 88° 6'13.08"E (Boundary of HPL);
 - 22° 1'49.61"N and 88° 5'56.15"E (HOJ-1);
 - 22° 1'40.98"N and 88° 5'45.74"E (HOJ-2);
 - 22° 0'56.18"N and 88° 4'10.62"E (HOJ-3); and

- 22°1'33.019"N and 88°5'30.735"E (Outer Terminal -2).
- (iv) The project facility is located approx. 125 km south-west of Kolkata. The project facility is accessible through NH-6 up to Kolaghat and then through NH-41, which runs approximately 4.22 km north-west from the project facility. Silpaprabesh station (part of south-eastern Railway Division) is within 1 km of the facility. On the waterfront, the project facility is accessible through Haldia Dock Complex on Hooghly River.
 - (v) Haldia Petrochemicals Ltd is within 2 km (aerial distance) of Hooghly River.
 - (vi) There are three riverine jetties (HOJ-1, 2 and 3) and one proposed Outer Terminal 2 (OT-2) for oil and chemical handling, operated by Syamaprasad Mookerjee Port Trust.
 - (vii) HPL imports and exports chemicals through these HOJ's. In 2018, HPL received environmental clearance for enhanced capacity of Naphtha cracking and diversification to new products. This also requires transport of chemicals through new pipeline from existing and proposed jetties.
 - (viii) The proposed project site falls in CRZ IB and CRZ II area as per CRZ Notification, 2011.
 - (ix) The total length of all the proposed pipelines are 58,496 m, of which 2511 m is proposed through the CRZ area (I B and II).
 - (x) The total length of the existing pipelines is 38,770 m of which 2228 m lies in the CRZ area (I B and II).
 - (xi) The proposed pipelines are as follows:
 - Benzene (1 X 12" NB) – HPL facility to HOJ-1;
 - Methyl Tert Butyl Ether (MTBE) (1 X 18" NB) – HPL facility to HOJ-3;
 - Nitrogen (3 X 4" NB) - HPL facility to HOJ-1, 2 & 3;
 - (xii) Proposed Pipelines (to be laid after completion of proposed Outer Terminal- 2 by Haldia Dock Complex)
 - Hydrogenated Pyrolysis Gasoline (HPG)/Motor Spirit (MS) - (1 x 16" NB) - Extension from HOJ 2
 - Nitrogen (1 x 4" NB) - Extension from HOJ 2
 - Benzene (1 x 12" NB) - Extension from Marine Office
 - Methanol (1 x 8" NB) - Extension from Marine Office
 - Butadiene 2 x 6" NB) - Extension from Marine Office
 - (xiii) Water requirement of 6 KLD during construction stage of the project is only for civil activities. During hydro-testing of the pipelines, a maximum of 760 m³/day of water for four days will be required. Haldia Petrochemicals Limited has an agreement with Haldia Development Authority (HDA) for supplying water to its facility. The quantity of water used in the construction and operation stage will be met from this water supply.
 - (xiv) There is a wastewater treatment plant (WWTP) at Haldia Petrochemicals Limited.
 - (xv) Wastewater will not be generated during construction phase. Mobile toilets will be provided at the construction site for the labourer's.
 - (xvi) During operation, water will be required for hydro-testing that is a onetime activity. A maximum of 760 m³ of wastewater will be generated from hydro-testing for four days. This wastewater will be treated in the existing WWTP of capacity 3600 m³ per day. The treated water will be disposed into the Green Belt Channel.
 - (xvii) During operation phase, approximately 3200 kVA of energy will be consumed, that will be sourced from HPL's Captive Power Plant (CPP).
 - (xviii) During construction phase, a maximum of 1 ton of solid waste will be generated. Generation of waste in non-CRZ area:

- (xix) Solid Hazardous Waste: This will include oil and paint drums. Oil and grease contaminated cotton wastes, etc. Hazardous waste will be initially segregated and stored at a designated area onsite followed by its disposal through agencies duly authorized by State Pollution Control Board in accordance to Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. HPL has an agreement with West Bengal Waste Management Limited for disposal of hazardous wastes;
- (xx) Solid waste such as food waste and recyclables viz. metal scraps, packaging material, etc. will be managed in coordination with municipal authorities, scrap dealers and local waste recyclers respectively;
- (xxi) Construction wastes would be managed in accordance to Construction and Demolition Waste Management Rules, 2016.
- (xxii) During construction phase, approximately maximum of 170 (contractual and permanent) people will be engaged and during operation phase approximately 30 (contractual and permanent) will be engaged.
- (xxiii) The CRZ map of 1:4000 has been prepared by Institute of Environmental Studies and Wetland Management, Govt. of West Bengal.
- (xxiv) The total cost of the project is ₹21 Crores.
- (xxv) West Bengal Coastal Zone Management Authority (WBCZMA) has recommended the project vide its letter No. 1436/EN/T-11-4/01/2019, dated 3rd November, 2020.

2. The proposal was earlier considered in its meetings held on 29/12/2020 and 12/02/2021 respectively. The Committee took note that the Haldia Dock Complex consisted of six existing pipelines for transport Naphtha, Butene, Hydrogenated Pyrolysis Gasoline (HPG)/Motor Spirit (MS) and Butadiene from the each of three existing riverine jetties. The Committee was informed that the existing facilities i.e pipelines, jetties were constructed prior to the CRZ Notification, 2011. The Committee noted that the existing facilities i.e pipelines, jetties in the CRZ area attracts the provisions of the CRZ Notification, 1991 and requires prior clearance from the Ministry. The Committee further took note that the one of the product being transmitted in the existing pipeline is being converted from Benzene to Methanol. The Committee desired that the length of existing and proposed pipeline in CRZ-IB and CRZ-II area shall be submitted. The Committee, also desired that details of CRZ clearance obtained for the existing facilities in CRZ area and chronology of facilities taken up in Haldia Dock Complex till date may be furnished.

3. On submission of the above information, the matter was again placed before the EAC for examination. During the presentation by M/s Haldia Petrochemicals Ltd, *the Committee noted that there is a violation of CRZ norms in respect of the existing pipelines for not obtaining prior clearance as per CRZ Notification, 1991 and the Committee decided that the existing pipeline project (Naphtha (1 X 24" NB) – HPL facility to HOJ- 3; Butene -1 (1 X 8" NB) – HPL facility to HOJ-1; Hydrogenated Pyrolysis Gasoline (HPG)/Motor Spirit (MS) - (2 x 16" NB)- HPL facility to HOJ-1, HOJ-2; Butadiene (2 X 6" NB)- HPL Facility to HOJ-1;and Benzene (1 X 8" NB) – HPL Facility to HOJ-1) shall be dealt in accordance with the Ministry's OM No. 19-75/2015-IA III, dated 19.02.2021 prescribing procedure for dealing violation cases arising due to not obtaining prior CRZ clearance for permissible activities as per CRZ Notification.*

4. The Committee deliberated the proposal and observed that in so far as CRZ implications are concerned, the proposed activity will not change the characteristics of the area from CRZ perspective and therefore the proposal can be considered for CRZ clearance. Based on the

deliberations held and submissions made, the Committee therefore recommended the proposed pipelines except the *Benzene (1 X 8" NB) – HPL Facility to HOJ-1 for transferring Methanol using existing pipeline*, for CRZ clearance subject to following conditions:

- (i) No groundwater shall be extracted to meet with the water requirements during the construction/operations phase of the project.
- (ii) 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.
- (iii) Any physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.

EXTENSION OF VALIDITY OF CRZ CLEARANCE

3.9 Proposal for construction of 220 KV Kalwa-Salsette Transmission Line (upgradation of old 110 kv Transmission Line) in Mumbai by M/s Tata Power Company Ltd- Extension for validity of CRZ clearance- reg.

[IA/MH/CRZ/184215/2020] [11-19/2014-IA.III]

M/s Tata Power Company Ltd was accorded CRZ clearance for the project “Construction of 220 KV Kalwa-Salsette Transmission Line (upgradation of old 110 kv Transmission Line)” in Mumbai vide letter No. 11-19/2014-IA.III, dated 24/11/2015. M/s Tata Power Company Ltd has now requested for extension of validity of the above clearance and informed there is no change in project details.

2. The Committee took note that the extension for validity of CRZ clearance has been recommended by Maharashtra Coastal Zone Management Authority (MCZMA) *vide* their letter No. CRZ-2020/CR-110/TC-4 dated 2nd March, 2021. The Committee was also informed that the project proponent had applied to the Ministry before the expiry of the validity of said clearance i.e. 23/11/2020.

3. *The EAC recommended the extension of validity of the CRZ clearance dated 24/11/2015 for a period of five years i.e. upto 23/11/2025, 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.

There being no agenda item left, the meeting ended with a vote of thanks to the Chair.
