

MINUTES OF THE 238th MEETING OF THE EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 30th JUNE, 2020.

The 238th meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 30.06.2020 through video conferencing due to prevalent pandemic situation. The members present are:

| | | | |
|----|------------------------|---|------------------|
| 1. | Dr. Deepak Arun Apte | - | Chairman |
| 2. | Dr. Anil Kumar Singh | - | Member |
| 3. | Dr. V. K. Jain | - | Member |
| 4. | Shri. Prabhakar Singh | - | Member |
| 5. | Dr. Rajesh Shah | - | Member |
| 6. | Dr. Manoranjan Hota | - | Member |
| 7. | Shri. N.K. Verma | - | Member |
| 8. | Dr. M.V. Ramana Murthy | - | Member |
| 9. | Shri. W. Bharat Singh | - | Member Secretary |

Dr. Anuradha Shukla, Shri Rajesh Debroy, Ms Bindhu Manghat and Shri Sanjay Singh were absent.

In attendance: Dr. Saranya.P, Joint Director and Dr. Bhawana Kapkoti Negi, Technical Officer, MoEFCC. 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 233rd 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.

3.0 CONSIDERATION OF PROPOSALS:

FRESH PROPOSALS

3.1 Proposed laying of 20-inch gas pipeline of 31 km length from Offshore platform, in the East Coast passing through the mouth of the Gautami- Godavari River, part of Yanum (2.51 km) U.T. of Puducherry and East Godavari District, Andhra Pradesh by M/s Oil and Natural Gas Corporation Limited - CRZ Clearance - reg. [IA/AP/CRZ/123952/2019] [F.No.11-24/2020-IA.III]

The proposal of M/s Oil and Natural Gas Corporation Limited is for laying of 20-inch Gas Pipeline for about 31 kms length from Offshore Platform located around 10 kms of East Coast Offshore to Onshore Gas Terminal at Mallavaram village, in East Godavir District of Andhra Pradesh and further laying along the river (11.8 km) at 2.5 m depth and 10 km onshore. It will pass through mouth of the Gautami- Godavari River, part of Yanum (2.51 km) U.T. of Puducherry and East Godavari District, Andhra Pradesh. The project proponent made a presentation and provided the following information:

- (i) M/s Oil and Natural Gas Corporation Limited (ONGC) is developing Block KG-DWN-98/2 under the New Exploration Licensing Policy (NELP), in deep waters off the East Coast of India. The KG-DWN 98/2 block is located within 25-40 km of the nearest land-fall and the water depth in this block varies between 300 m to 3,200 m. Gas from 8 sub-sea wells for KG-DWN-98/2 shall be processed in the Central Process platform (CPP) located at 30 m water depth. The processed gas shall further be compressed and transported to Onshore Gas Terminal at Mallavaram.
- (ii) The instant proposal of M/s ONGC is for laying 20" pipeline (about 31 km) from offshore platform, through mouth of the Gautami-Godavari river, part of Yanam (Puducherry) about 2.51 km and terminating at ONGC onshore plant at Mallavaram village, Thallarevu mandal, East Godavari district, Andhra Pradesh. The proposed pipeline is designed for a pressure of 120 kg/cm².
- (iii) The proposed 20" pipeline (about 31 km length) route from offshore Central Process Platform (CPP) location around 10 km of the east coast to onshore Gas Terminal (OGT) at Mallavaram comprises of:
- Offshore laying (about 9 km) at depth of 1-2 m by post lay trenching method.
 - Laying along the river (about 11 km) at depth 2-7 m (below the scour depth) laid by dredging method, after entering through the river mouth cutting sand dunes.
 - Onshore laying involving shore pull in shore approaches / near shore location & onshore (about 11 km) buried at depth 2 m below surface by trenching method.
 - Laying the pipeline at river crossings (2 major rivers)/rivulets/roads/mangroves area below the river bed at a depth of 15 m or more by Horizontal Direction Drilling (HDD) method.
- (iv) The proposed pipeline route is passing through various CRZ areas as given below:

| CRZ Classification | Yanam Portion Length (m) | East Godavari Portion Length (m) | Total Length (m) |
|-------------------------------------|---------------------------------|---|---------------------------|
| CRZ-I(A) | 123.88 | 1783.77 | 1907.65 |
| CRZ-I(A) Mangroves 50 m buffer zone | 158.02 | 1656.93 | 1814.95 |
| CRZ-I(B) | 113.30 | 592.89 | 706.19 |
| CRZ-II | 1092.06 | 127.82 | 1219.88 |
| CRZ-III (NDZ) | - | 1941.34 | 1941.34 |
| CRZ-IV(A) | - | 8779.95 | 8779.95 |
| CRZ-IV(B) | 7.62 | 10845.28 | 10852.95 |
| Non-CRZ | 1016.07 | 2582.94 | 3599.01 |
| Total | 2510.95 | 28310.92 | 30821.87 or ~31 km |

- (v) The proposed 20" pipeline project will not passing through any notified National Park/Sanctuaries/Coral Reefs/ESA etc.
- (vi) A part of the pipeline route falls in forest land which is also part of CRZ area, and also part of River Gouthami. Pipeline length, about 1.17 km is passing through forest boundary. The forest area about 2.67 ha (10 m RoU either side of 1.17 km pipeline) falls in the river Gouthami, which is within the Forest Boundary and CRZ Area.
- (vii) Part of the proposed pipeline falls within the 10 km buffer zone of Coringa wild life Sanctuary, which is non-forest land. The boundary of the Coringa wildlife sanctuary is 2.32 km away from the pipeline nearest point. The Right of Use (RoU) during operation

and entire life of pipeline would be, 18.96 ha within the Buffer zone of 10 km, with 10 m on either side of the pipeline in this zone.

- (viii) For construction purposes, temporary placement of equipment or structures will be required. After the completion of construction, the entire stretch will be cleared of all construction material, equipment, debris etc., and the land filled back to original levels. Subsequently entry permit will be required for taking up periodical inspection and maintenance of pipeline. The installation activity to be performed along River Pipeline scope includes the following:
- Temporary cofferdam installation at LFP to aid in pulling the pipeline ashore;
 - Temporary equipment setup and site leveling at LFP to aid in pulling the pipeline ashore;
 - Temporary camp setup at a pre-determined location in the vicinity of LFP;
 - Dredging of shallow water areas for marine spread access (pipelay barge, supply vessels)
 - Dredging of a pre-trench along the indicated pipeline route along and within the river and through the natural sandbar at the river mouth;
 - Temporary storage of dredged spoil either within the river channel, on the river banks or at pre-designated onshore temporary storage locations;
 - Pipeline installation within the river and through the sandbar location;
 - Engineered backfill (sand, rock and spoil) installation over the pipeline;
 - Movement of installation vessels from the main Godavari River, along the tributary to the site, along with free access to complete installation activities; and
 - Movement of personnel from the installation vessel to the onshore camp location by crew boat.
- (ix) Additional to the River Pipeline Installation, the installation activities to be performed at shore crossing include:
- Temporary access road to and from the shore site;
 - Temporary cofferdam installation at shore crossing location to aid in pulling the pipeline ashore;
 - Temporary equipment setup at shore location and site levelling to aid in pulling the pipeline ashore;
 - Winch operation at shore pull location; and
 - Pre-commissioning activities.
- (x) River and offshore section of the pipeline 20” Pipe X 19.1WT, Carbon Steel, concrete coated pipe. The hazardous material used for construction activities will be handled in accordance with MSIHC rules and detailed information will be included in MSDS. All safety requirements as stipulated in OISD / PESO / ONGC Guidelines will be followed while handling petroleum products.
- (xi) The total water requirement during construction phase will be 25 KLD, which is sourced from local municipal tankers. Out of 25 KLD, for domestic purposes 13.5 KLD will be required and for construction activities 11.5 KLD will be required.
- (xii) No power requirement during operation phase. During construction phase, the fuel (approx. 5.68 KLD) will be required for running of D.G sets (2 Nos. X 500 kVA), welding equipments, machinery, vehicles, etc. The requirement will be met from nearby energy stations.
- (xiii) Excavated soil will be generated during construction phase, however the same will be reused in back filling the excavated area. Hazardous waste and oil waste will be stored as per guidelines and sent to authorized collection agency. Domestic waste of 10 KLD

will be generated and will be discharged in septic tanks & soak pits. Commercial waste is expected and will be segregated and disposed / handover to authorized recyclers.

- (xiv) The employment potential of the project is 300 persons during construction phase. Several other indirect employment opportunities such as transport, business, vehicle drivers and attendants, workshops, grocery and retails, medical, etc. is envisaged due to the laying of proposed pipeline.
- (xv) The total cost of proposed pipeline project is Rs.1562 crores
- (xvi) Andhra Pradesh Coastal Zone Management Authority (APCZMA) has recommended the above proposal for clearance vide their letter No. 179/CRZ/IND/2019/29 dated 21st May, 2020.
- (xvii) Puducherry Coastal Zone Management Authority (PCZMA) has recommended the above proposal for clearance vide its letter No. 3678/DSTE/PCZMA/CLR/SCI/2019/572 dated 08th January, 2020.

2. The Committee was dismayed at the technical glitches faced during the course of the video conferencing and in the particular the non-availability of support for assistance from NIC. The Committee continued the meeting with very poor quality audio and video and connection issues until past 12 Noon and decided that the meeting may be deferred until the system can be acceptably resolved. The meeting was accordingly deferred until 1:30 PM with a request to the Secretariat for ensuring timely support/assistance of NIC. The meeting thereafter resumed again at 1:30 PM with NIC support.

3. The Committee observed that the project proponent had not circulated necessary documents germane for appraisal for such a project to the members and only a brief write-up was made available. The Committee further observed that marine (including estuarine and marine influenced river body) ecology and anticipated impact assessment and the mitigation measures so suggested. The Committee further noted that it is imperative that in the absence of requisite documents made available in advance, the appraisal would be only perfunctory and the Committee would be unable to assess through the presentation being made whether the mitigation measures suggested are commensurate with the quantum of proposed development activities envisaged. The Committee also observed that a proper marine biodiversity study is required for such a project.

4. The Committee in addition noted that Coringa Wildlife Sanctuary is located nearby and the pipeline passes through quite an area under protected and reserve forests. The Committee therefore observed that a conservation plan for wildlife (if not in place) need be prepared in consultation with the Wildlife Department in the State, duly endorsed by the Chief Wildlife Warden, for implementation at the ground. Also a significantly large safety buffer from the pipeline and the protected areas and ecologically sensitive sites, is necessary to avoid incidents of accidents as happened recently in case of Oil India Limited, in Assam. A worst case scenario and mitigation plan is thus an absolutely essential.

5. *In view of the observations made above, the Committee declined to make any recommendation and observed that the project proponent shall first fulfill the observations made in para 3 and 4 above before the proposal is taken up for appraisal for consideration of CRZ clearance. The proposal was accordingly deferred.*

3.2 Proposal for construction of seawall/shore protection work at MUS village in Car Nicobar by M/s Andaman Lakshadweep Harbour Works (ALHW) - CRZ Clearance - reg. [IA/AN/CRZ/154432/2020] [F.No.11-25/2020-IA.III]

The proposal of M/s Andaman Lakshadweep Harbour Works (ALHW) is for construction of seawall/shore protection work at MUS village in Car Nicobar. The project proponent made a presentation and provided the following information:

- (i) The creation of berthing facilities was fulfilled by the way of construction of Breakwater with jetty at Mus in Car Nicobar Island during 2002. The berthing facilities includes 490 m length of Breakwater and 90m x 20m wharf and 75m x 10m jetty which were projected from the Breakwater on lee side were constructed. The Inter Islands vessels started utilizing the facility from January 2003 onwards and the cargo vessels also utilizing the berths for unloading operation.
- (ii) It has been reported that the Tsunami waves and earthquake dislocated the approach portion of the Breakwater on 26th December, 2004. The approach portion of the jetty is sunk from the Breakwater. Similarly, the tidal waves also damaged the shore line of the MUS harbor severally. Hence it has been decided to improve the shore area, it was decided by the team of APWD to provide shore protection with boulder formation.
- (iii) Accordingly, CWPRS has modified the design and suggested to provide Tetrapod of 0.50 MT on top of protection structure made with stone boulders of size 10- 30Kg 30-50Kg along with laying of GEO fabric filter as filter media on the bottom/base.
- (iv) The following provisions for 800mtr of shore protection work are made in this estimate, as per the recommendation of CWPRS, Pune.
 - Supplying 86 lying Nylon bags filled with stone girt.
 - Supplying and laying stone boulder of various sizes: 10-30 kg 86 30-50 kg
 - Stone boulder.
 - Providing and laying 0.50 Tonne weight Tetrapod.
 - Providing & laying of GEO fabric filter of 240 GSM/Sqm.
 - Earth work in excavation by mechanical means/manual means.
- (v) The proposed project involves construction of shore protection work with stone boulder formation over which 0.50T capacity tetrapod as per the design for a length of 800m sea wall along the shore area at MUS harbour to prevent erosion as suggested by CWPRS, Pune.
- (vi) The project falls under CRZ-IB area.
- (vii) Water requirement of 10 KLD will be met from APWD during construction phase.
- (viii) During Operation phase, there will not be any liquid waste generation from the project. During construction phase, the liquid waste generated will be disposed using existing facilities. The construction waste will be used for filling in low lying areas.
- (ix) Used Oil and used batteries will be disposed to authorised agencies.
- (x) Electricity will be trapped from APWD existing D. G Sets.
- (xi) The employment potential of the project is 20 persons per day during construction phase.
- (xii) The total cost of the project is Rs. 49.19 Crores
- (xiii) The Andaman & Nicobar Coastal Zone Management Authority has recommended the above proposal for clearance vide their letter No. PCCF/EPA/1/Vol-XV/629 dated 5th March, 2020.

2. The Committee noted that the documents made available has no mention of the likely impact of the proposed sea wall in the neighbouring coast. That no accretion and erosion pattern of the area and its neighbouring coast is also available. The Committee observed that whereas, it is not in disagreement to the fact that the sea wall is a necessity to save the village from erosion, but on the other hand, the proposed sea wall may also likely lead to erosion in the

nearby coast and the project proponent need to have made a study establishing that the such a phenomenon will not occur and that an alternative remedy under such a circumstance has been made accordingly. *The Committee therefore decided that the matter be deferred for reconsideration at a later stage and can be taken up once such an information is submitted.*

3.3 Proposal for reconstruction of Municipal Dispensary & Staff Quarters at Banganga in ‘D’ ward at C.S. No. 18, Malbar Hill Division, Mumbai by M/s Municipal Corporation of Greater Mumbai - CRZ Clearance - reg. [IA/MH/CRZ/113381/2019] [F.No. 11-26/2020-IA.III]

This item was chaired by Dr. Ramana Murthy, as Dr. Deepak Apte excused himself citing conflict of interest on the ground that his organization renders advisory services to MCGM.

The proposal of M/s Municipal Corporation of Greater Mumbai is for reconstruction of Municipal Dispensary and Staff Quarters at Banganga in ‘D’ ward at C.S. No. 18, Malbar Hill Division, Mumbai. The project proponent made a presentation and provided the following information:

- (i) The proposal involves reconstruction of Municipal Dispensary & Staff Quarters at Banganga in ‘D’ ward at C.S. No. 18, Malbar Hill Division, Mumbai. The Municipal Dispensary and Health Post building was ground + 4 upper floors which was old RCC structure. Dispensary & health post on ground floor and residential staff quarters on upper 4 floors. Over a period, the building got deteriorated and was declared as dilapidated building by MCGM. Thereafter the dispensary was closed from 1/4/2003 due to decrease in attendance of patients and the health post was shifted to nearby Kavle Math Municipal School on 27/06/2009.
- (ii) The project falls in CRZ-II as per the CZMP of CRZ Notification, 2011.
- (iii) A Municipal Dispensary on Ground and two upper floors and tenements for staff on the 3rd and 4th Floors is envisaged in an area of the plot admeasuring about 1064.39 sqm.

| S. N | Description | Area (Sq. m) |
|------|--|------------------------|
| 1. | Plot Area | 1064.39 m ² |
| 2 | Deductions (for Road Set Back, D.P. Road, etc .) | 16.37 m ² |
| 3. | Net Area of Plot (1 - 2) | 1048.02 m ² |
| 4. | F.S.I Permissible | 1.33 |
| 5. | F.S.I Proposed to Be Consumed | 1.05 |
| 6. | Addition for FSI (deduction of road setback area 100%) | 16.37 m ² |
| 7. | Existing shed area proposed to beretained | 202.75 m ² |
| 6. | Permissible Built Up Area | 1415.63 m ² |
| 7 | Built Up Area Proposed | 914.95 m ² |
| 8. | Recreational Ground | 270 m ² |
| 9. | Electrical Sub- Station | 7.5 m ² |
| 10. | Total Construction Area Proposed (FSI + Non FSI) | 1117.70 m ² |

- (iv) Water requirement of 3 KLD during construction and 9.25 KLD during operation phase will be sourced from MCGM Water Supply.
- (v) Solid wastes generated will be disposed as per the MCGM norms.

- (vi) Power requirement of 45kW during construction phase and 110 kW per month during operation phase will be sourced from Brihanmumbai Electric Supply & Transport Undertaking (B.E.S.T).
- (vii) The employment potential of the project is 25 persons during construction phase and 50 persons during operation phase.
- (viii) The total cost of the project is Rs. 4.77 crores.
- (ix) The Maharashtra Coastal Zone Management Authority has recommended the above proposal for clearance vide their letter No. CRZ-2013/CR-143/TC-4(Part-II), dated 01.06.2020.

2. The Committee noted that the project is a reconstruction of an existing dispensary and staff quarters which was in a dilapidated form and is located in a residential zone in CRZ-II. That the existing structure was declared a dilapidated by MCGM in 2009 and later demolished. The Committee observed that the proposal is a necessity for catering to medical needs of the area and is a permissible activity under the extant CRZ regulations. Based on the deliberations held the Committee recommended the project for CRZ clearance subject to the following conditions:

- i) The project proponent shall ensure adequate space around the building for emergency purposes and access for firefighting equipments shall be provided.
- ii) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- iii) The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM No.19-2/2013-IA.III dated 9th June, 2015, are followed to ensure sustainable environmental management.

3.4 Proposal for construction of refrigerated Propane/Butane/LPG import Terminal and laying of pipeline from jetty to the terminal at Krishnapatnam Port, Muthukuru Mandal, SPSR Nellore District, Andhra Pradesh by M/s NGC Energy India Private Limited - CRZ Clearance - reg. [IA/AP/CRZ/155446/2020] [F.No.11-28/2020-IA.III]

The proposal of M/s NGC Energy India Private Limited is for construction of refrigerated Propane/Butane/LPG import Terminal and laying of pipeline from jetty to the terminal at Krishnapatnam Port, Muthukuru Mandal, SPSR Nellore District, Andhra Pradesh. The project proponent made a presentation and provided the following information:

- (i) NGC Energy India Private Limited is the Indian subsidiary of its parent, National Gas Company, S.A.O.G, Oman. National Gas has been a pioneer since 1979, in LPG Marketing in the Sultanate of Oman, with businesses also in UAE, Saudi Arabia and Malaysia.
- (ii) The proposed project involves setting up a new Refrigerated Propane/Butane/LPG import Terminal, jetty to terminal pipelines of length 2.7 km & associated facilities at Survey No. 736/2, 737, 738, 741A, 741B, 741C3, 741C4, 888, 889, Krishnapatnam Port, District Nellore, Andhra Pradesh. Two above ground, full integrity double walled tanks of capacity 16,600 MT each, shall be provided to store propane and butane in a refrigerated condition. In addition, two mounded bullets of capacity 370 MT each, shall also be provided for Propane/Butane/LPG storage and one Diesel storage tank (13.3 MT). The proposed terminal and associated facilities shall be approved by PESO, and comply with other statutory requirements.

- (iii) The proposed terminal is to be constructed within a plot of ~ 4.91 Hectares (12.14 Acres) on land sub-leased from M/s Krishnapatnam Port Corporation Limited (KPCL). This facility will be set up within the Liquid Cargo Terminal area being developed by KPCL.

| Proposed Project Site Coordinates | | |
|--|-----------------|------------------|
| S.N | Latitude | Longitude |
| A | 14°16'32.98"N | 80° 8'20.17"E |
| B | 14°16'27.31"N | 80° 8'19.06"E |
| C | 14°16'28.94"N | 80° 8'10.01"E |
| D | 14°16'34.64"N | 80° 8'11.12"E |

- (iv) Distance of pipeline from HTL is 108.5 m.
- (v) Proposed project site fall in CRZ III area. Further the pipeline from the project site to Jetty in Krishnapatnam port passes through CRZ III, CRZ IVB and CRZ IB areas.
- (vi) Water requirement of 8 KLD will be utilized for the proposed project.
- (vii) Wastewater of 5 KLD will be generated and treated in STP of capacity 5 KLD. Sewage Treatment Plant for domestic water and OWS for oily liquid waste. The treated wastewater will be reused for gardening purpose.
- (viii) Domestic solid waste of 9.0 kg/day (Organic Waste: 5.4 kg/day, Inorganic waste: 3.6 kg/day) will be generated and handed over to authorized agent for dumping in municipal yard.
- (ix) Spent Oil, Used Lubricating Oil and Used Lead Batteries shall be sent to authorized vendor for disposal, Empty drums of Mercaptan will be recycled back to supplier.
- (x) 1 No. of Recharge Pit of 10 KL will be provided for rain water harvesting purpose.
- (xi) Total Power Requirement of 33 KV will be sourced from AP Electricity Board. DG sets of capacity 2x1MVA and 1x500 KVA will be used as stand by during emergency.
- (xii) The employment potential of the project is 160 persons during construction phase and 45 persons during operation phase.
- (xiii) The total cost of proposed project will be Rs.300 crores.
- (xiv) Andhra Pradesh Coastal Zone Management Authority (APCZMA) has recommended the above proposal for clearance vide their letter No. 160/CRZ/IND/2019/28 dated 21st May, 2020.

2. The Committee noted that the Krishnapatnam Port Company Ltd. has been issued Environmental and CRZ clearances by this Ministry vide letter No.10-22/2005-IA III, dated 26th July, 2006 and F.No.11-62/2009-IA III, dated 13th November, 2009 for Phase I and Phase II respectively and includes one POL (Petroleum, Oil Lubes) berth for handling liquid cargo.

3. The Committee observed that the project proponent had not circulated necessary documents germane for appraisal for such a project to the members and only a brief write-up was made available. The Committee further observed that there seem to be quite a good habitation/villages in and around 1.0 km of the area and therefore risk assessment/safety, in addition to, environmental aspects is a concern for which no proper information is available. It was also stated that one of the document pertaining to the project details from page no.267 to 473 was blank. The Committee noted the casual approach of the project proponent and therefore declined to go ahead with the appraisal and decided that requisite documents shall be circulated in time to enable members in making a meaning deliberation during appraisal of the proposal. *The Proposal was accordingly deferred for reconsideration at a later stage once requisite information are made available to the members of the Committee.*

3.5 Proposal for marine outfall system for discharge of treated effluent from Kakinada SEZ industrial park at Mulapeta, Ponnada and Ramanakkapeta villages in U. Kothapalli mandal, East Godavari district, Andhra Pradesh by M/s Kakinada SEZ Private Limited -CRZ Clearance - reg. [IA/AP/CRZ/156239/2020] [F.No.11-27/2020-IA.III]

The proposal of M/s Kakinada SEZ Private Limited is for laying of marine outfall system for discharge of treated effluent from Kakinada SEZ Industrial Park at Mulapeta, Ponnada and Ramanakkapeta villages in U. Kothapalli mandal, in East Godavari district, Andhra Pradesh. The project proponent made a presentation and provided the following information:

- (i) The proposal involves construction of marine outfall system for discharge of treated effluent from industries within Kakinada SEZ Industrial Park into the sea. Presently, there are four sea food processing industries (2 nos. operational and 2 nos. under construction) viz., Nekkanti Mega Food Park Pvt. Ltd., Devi Fisheries Ltd., Sandhya Aqua Exports Pvt. Ltd. and Continental Fisheries India Pvt. Ltd. within Kakinada SEZ Industrial Park. The wash water from each industry will be treated in the respective Effluent Treatment Plant (ETP) within their premises. In future, some more industries will be set-up within Kakinada SEZ Industrial Park. After necessary treatment process, the treated effluent will be pumped by each industry to the common outfall pipeline which will be discharged into the sea. Kakinada SEZ Ltd. will lay the common outfall pipeline for transporting the treated effluent into the sea. The total quantity of treated effluent discharge is 5 MLD.
- (ii) Kakinada SEZ Limited has already obtained EC from SEIAA, Andhra Pradesh for the existing Kakinada SEZ Industrial Park of area 370.73 ha (916.09 acres) vide letter No. SEIAA/AP/E.G.-90/2013-5520 dated 25.10.2013. As per the existing EC, the treated effluent has to be reused within the respective industrial premises.
- (iii) The proposal involves construction of of marine outfall system of length 3977.62 m for discharge of treated effluent from industries at Survey Nos. 208, 222, 223, 225, 227 of Ponnada Village and 34 of Mulapeta Village, within Kakinada SEZ Industrial Park into the sea

| CRZ Classification | Total Length (m) |
|---------------------------|-------------------------|
| CRZ-I(B) | 76.99 |
| CRZ-III (NDZ) | 1000.46 |
| CRZ-III (200-500 m) | 379.02 |
| CRZ-IV(A) | 657.14 |
| CRZ-IV(B) | 92.52 |
| Total length in CRZ | 2206.13 |
| Non-CRZ | 1771.49 |
| Total | 3977.62 |

- (iv) The proposed outfall location is given below:

| Location | Geographical coordinates (WGS 84) | | UTM coordinates (Zone 44) | |
|-----------------|--|---------------------|----------------------------------|--------------|
| | Latitude, N | Longitude, E | X (m) | Y (m) |
| | | | | |

| | | | | |
|--|---------------|---------------|--------|---------|
| Land Fall Point (LFP) | 17°07'08.87" | 82°22'53.74" | 646980 | 1893256 |
| Outfall diffuser (Distance = 700 m Depth = 7.1 m CD) | 17°06'55.233" | 82°23'12.617" | 647541 | 1892840 |

- (v) The treated effluent collection sump will be set up in 1110.22 sqm falling in CRZ-III (NDZ) area.
- (vi) The length of pipeline from HTL to deep sea is about 700 m and depth of water at disposal point is 7.1 m.
- (vii) Water requirement of 2 KLD will be sourced from groundwater. Rainwater harvesting systems are installed in the Kakinada SEZ Industrial Park.
- (viii) Treated Effluent of 5 MLD will be generated from the industries. Effluent will be treated in the individual industries ETPs and treated effluent will be disposed by common outfall system into the sea.
- (ix) Power requirement of 10 KVA will be sourced from APEPDCL.
- (x) The employment potential of the project is 50 persons
- (xi) The total cost of proposed project is Rs.5.1 crores
- (xii) Andhra Pradesh Coastal Zone Management Authority (APCZMA) has recommended the above proposal for clearance vide their letter No. 177/CRZ/IND/2019/26 dated 21st May, 2020.

2. The Committee noted that there are four sea food processing industries (2 nos. operational and 2 nos. under construction) viz. M/s Nekkanti Mega Food Park Pvt. Ltd., M/s Devi Fisheries Ltd., M/s Sandhya Aqua Exports Pvt. Ltd. and M/s Continental Fisheries India Pvt. Ltd. within Kakinada SEZ Industrial Park. The wash water from each industry will be treated in their respective Effluent Treatment Plants (ETPs) within their individual premises and thereafter be discharged into the sea by Kakinada SEZ Ltd. through a common outfall pipeline. The Committee was also informed by the project proponent that a Common Effluent Treatment Plant (CETP) is planned to be installed within the Kakinada SEZ Industrial Park.

3. The Committee noted that the ground water withdrawal approval has been accorded by Ground Water and Water Audit Department, Government of Andhra Pradesh vide its letter no. 960/Hg- II/2018 dated July 09, 2018. The Committee however cautioned the project proponent that withdrawal of ground water in the CRZ areas is a prohibited activity and shall be strictly not be done so.

4. The Committee observed that there should be a holding pond of adequate capacity before final discharge of treated influent into the sea to which the project proponent has categorically agreed to establish. The Committee therefore decided that the design of the holding pond, its capacity etc. shall be submitted along with an undertaking duly signed by the Competent Authority in the hierarchy of the project proponent for its implementation, to the Ministry for its records. The Committee also observed that the Environmental Clearance for the SEZ and the condition laid therein and compliance thereof shall also be submitted for records to the Ministry.

5. Based on the deliberations held the Committee recommended the project for CRZ clearance subject to the following conditions:

- i) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- ii) No excavated material during the construction shall be dumped in water bodies or adjacent areas.
- iii) The pipeline is exclusively to discharge effluent from fish processing units. No other effluent from SEZ shall be allowed through this pipeline and the project proponent shall submit an undertaking within one month to this effect to the Ministry for records.
- iv) In order to ensure that effluents received from various the fish processing units are meeting standards before discharge to marine outfall, a mechanism for monitoring effluents with collection system, establishment of terminal treatment (minimum physico-chemical) followed by holding pond are necessary, including online monitoring of relevant parameters (including ammoniacal nitrogen), as prescribed by CPCB.
- v) The project proponent shall ensure that the temporary structures installed for laying of pipe lines are removed within one months of accomplishment of the work.
- vi) As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 1st May, 2018, and proposed by the project proponent, an amount of Rs.5.8 crores i.e @1% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to local government, schools, sanitation and health including construction of public toilets in the surrounding villages, as per need based assessment carried out. The activities proposed under CER shall be restricted to the affected area around the project. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

3.6 Proposal for extension and strengthening of the existing Jetty at Aberdeen, Port Blair by M/s Andaman Lakshadweep Harbour Works (ALHW) - CRZ Clearance - reg. [IA/AN/CRZ/115737/2019] [F.No.11-29/2020-IA.III]

The proposal of M/s Andaman Lakshadweep Harbour Works (ALHW) is for extension and strengthening of the existing Jetty at Aberdeen, Port Blair. The project proponent made a presentation and provided the following information:

- (i) The existing jetty at Aberdeen was constructed during 1988 with pre-cast piles to cater for small boats & fishing Dinghies. Over the years the movement of boat & passenger has increased many folds. This jetty is used for embarkation and disembarkation of tourist visiting Ross Island (Netaji Subhas Chandra Bose Island), North Bay and other nearby Island. Thus, large movement of passenger is seen on daily basis. The jetty gets chocked during peak season unable to meet the present demands.
- (ii) The proposed project involves extension and strengthening of the existing Jetty at Aberdeen, Port Blair (Approach 35mx 6m and berthing 32m x 10m) by providing bored pile foundation with RCC superstructure and decking.
- (iii) The location of project site falls under the ICRZ- IVA.
- (iv) During construction phase, main water source will be local supply and tanker supply. The total water requirements would be 1.13 KLD, of which 0.50 KLD is used for domestic and 0.63 KLD is used for flushing purposes. During operation phase, water supply will be available from local supply. The total water requirements would be 1.35 KLD, of which 0.90 KLD is used for domestic and 0.45 KLD is used for flushing purposes.
- (v) Proposed requirement of electricity shall be tapped from the existing system. The diesel generator is the main power source, and total power requirement will be 20-30 KWH.

- (vi) Portable toilets will be provided and periodically serviced in order to manage domestic sewage during the construction phase. During the operation phase, the wastewater (majorly sewage and sanitary waste) generated will be treated in an existing system.
- (vii) The approximate solid waste generated from the site will be 26.6 kg/day. This will be collected, segregated and handed over to the local body.
- (viii) The employment potential of the project is 25 persons during construction phase and 10 persons during operation phase.
- (ix) The total cost of proposed project is Rs.1026.80 crores
- (x) Andaman & Nicobar Coastal Zone Management Authority (ANCZMA) has recommended the above proposal for clearance vide their letter No. PCCF/EPA/1/Vol-XV/629 dated 5th March, 2020.

2. The Committee noted that the project is a necessity for the island which already has very poor connectivity and accessibility. It was noted that the proposed project will enhance connectivity with other islands and the existing jetty is inadequate and requires strengthening.

3. Based on the deliberations held the Committee recommended the project for CRZ clearance subject to the following conditions:

- i) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phase of the project.
- ii) No excavated material during the construction shall be dumped in marine bodies or adjacent areas.
- iii) The project proponent shall ensure that the temporary structures installed are removed within one month of accomplishment of the work.
- iv) As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 1st May, 2018, and proposed by the project proponent, an amount of Rs.5.8 crores i.e @1% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to local government, schools, sanitation and health including construction of public toilets in the surrounding villages, as per need based assessment carried out. The activities proposed under CER shall be restricted to the affected area around the project. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

4.0 Any other item with the permission of the Chair.

4.1 LPG Import Terminal at Puthu Vypeen SEZ (Cochin Port Trust) by M/s Indian Oil Corpn. Ltd. – Extension of validity period of EC and CRZ Clearance reg.

M/s Indian Oil Corporation Ltd. (M/s IOCL) was granted a composite Environmental and CRZ Clearance by MoEFCC under the provisions of EIA Notification, 2006 and CRZ Notification, 1991 respectively on 05.07.2010. The validity period of the clearance has been extended for a period of three years with effect from 05.07.2017 and therefore now expires on 04.07.2020.

M/s IOCL therefore approached the KCZMA for CRZ clearance. M/s IOCL informed KCZMA in their application for CRZ clearance that the project was put on hold from 2011 for a long period due to non-finalisation of Jetty facilities by Cochin Port Trust and could be completed after everything was sorted out only in September, 2018. M/s IOCL also informed KCZMA

that MoEFCC has rejected their application for extension of validity period of EC as the term cannot be extended beyond 10 years as per EIA Notification, 2006.

It was informed that LPG Import terminal project at cochin again got delayed also due to violent protests and agitations by a section of locals. However, because of relentless efforts and due to kind intervention of Hon'ble Minister (P&NG) by talking up matter directly with the Chief Minister (Kerala) on multiple occasions, the project could be finally recommenced in January 2020 and now about 40% of ground work in addition to jetty is completed. That works are now progressing under the protection of section 144 imposed in the area and it is expected that this project could be commissioned by September 2021. The most significant contribution of this LPG terminal is elimination of accidents due to movement of large number of LPG bulk trucks through the north Kerala roads.

It was further informed that the composite Environmental and CRZ Clearance from MoEF&CC was accorded on 05.07.2010 under provision of entry 6 (b) of the EIA Notification, 2006 and CRZ Notification, 1991, which was based on the recommendation of KCZMA. That now because of an amendment of the EIA notification dated 13.06 2019, deleting therein the entry 6 (b) from requirement of prior EC, only CRZ clearance is required and therefore accordingly, applied to KCZMA for CRZ clearance well in advance in February, 2020. That unfortunately, because of the COVID-19 pandemic situation, the application could not be processed by KCZMA until June 2020.

The Committee discussed the issue involved and observed that in so far as CRZ is concerned the extant CRZ regulations prescribes that the project should commence within the validity period of the clearance and the clearance continues to be subsisting valid. That however in respect of EC, the project need to be completed within the validity period of the EC.

In view of the above reasoning, the Committee agreed that in so far as CRZ is concerned, the question of extension of validity of CRZ clearance should not arise, but the need or otherwise for a fresh EC under the EIA Notification, 2006, is a matter to be examined and decided by the concerned sector in the Ministry for decision of the Competent Authority.

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