

MINUTES OF THE 192nd MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 26th JUNE, 2018 AT INDIRA PARYAVARAN BHAWAN, MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, NEW DELHI.

The 192nd Meeting of the Expert Appraisal Committee for projects related to Coastal Regulation Zone was held on 26.06.2018 at Teesta Conference Hall, Vayu Wing, First Floor, Indira Paryavaran Bhawan, New Delhi. The members present were:

1.	Dr. Deepak Arun Apte	-	Chairman
2.	Dr. V.K Jain	-	Member
3.	Dr. M.V. Ramana Murthy	-	Member
4.	Shri T.P. Singh	-	Member
5.	Dr. N.K Verma	-	Member
6.	Dr. Manoranjan Hota	-	Member
7.	Dr. Anil Kumar Singh	-	Member
8.	Shri. Prabhakar Singh	-	Member
9.	Shri. N.K. Gupta	-	Member
10.	Shri Sanjay Singh	-	Member
11.	Shri Arvind Nautiyal	-	Member Secretary

Shri. Narendra Surana, Dr. Mohan Singh Panwar, Dr. Anuradha Shukla and representative from Survey of India were absent.

Also in attendance: Shri W. Bharat Singh, Addl. Director, MoEFCC 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 minutes of the 190th meeting were found to be in order and therefore confirmed.

3.0 CONSIDERATION OF PROPOSALS:

3.1 Expansion of LPG import facility at Paradip, Odisha by Indian Oil Corporation Ltd.- [F.NO.11-16/2018-IA.III] – Amendment in CRZ Clearance reg.

M/s Indian Oil Corporation Ltd made a presentation and provided the following information:

- i) Paradip LPG Terminal was constructed for evacuation of LPG produced by IOCL Refinery at Paradip. In order to meet the growing demand of LPG in the country, there it is proposed to set up LPG import terminal within existing premises. Environmental Clearance for setting up of proposed expansion of LPG Import

- facilities within the existing premises was accordingly obtained vide Ref. No. 4389/SEIAA dated 16.04.18 from SEIAA, Odisha.
- ii) CRZ Clearance for laying of 14 pipelines, including two pipelines for future uses, from Paradip Refinery to the South Jetty at Paradip was accorded by the Ministry on 19.09.2013. The amendment sought is for an addition of one more pipeline from Paradip Refinery to South Jetty. The pipeline will be laid in the same ROW obtained.
 - iii) LPG will be imported in vessels at South Oil Jetty constructed by Paradip Refinery where space for putting up Butane / Propane unloading facility is available. Imported Butane / Propane would be transferred to LPG Import Facility through 3 Nos. underground pipelines for Propane, Butane and Reformate. Imported Butane and Propane will be stored in aboveground mounded storage vessels and would be dispatched as LPG after blending of Butane & Propane through Pipeline/Road.
 - iv) Out of the total 14 Kms of pipeline from Jetty to LPG Terminal, a section of length 6.11 Km comes under CRZ areas as follows: CRZ IB (2.115 km), CRZ II (2.977 km) and CRZ III (1.019 km).
 - v) CRZ map indicating HTL, LTL demarcation in 1:4000 scale has been prepared by IRS, Anna University.
 - vi) The total Cost of the project will be Rs 690.00 crores.
 - vii) The OCZMA has recommended the proposed addition of pipeline project vide letter Nos. 11/OCZMA, dated 11.01.2018.

2. The Committee noted that the addition of one more pipeline is a necessity considering the rise in demand of LPG. In addition, it was observed that there seem no more space for expansion in the area for IOCL which already has an existing band of 30 m route for pipeline.

3. Based on deliberations held and clarifications made, the Committee recommended that the request of IOCL for amendment of CRZ clearance can be considered subject to the following conditions:

- i) 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.
- ii) All the conditions stipulated by OCZMA vide letter Nos. 11/OCZMA dated 11.01.2018, shall be strictly complied with as admissible.
- iii) Solid waste shall be collected, treated and disposed of in accordance with the Solid Waste Management Rules, 2016.

3.2 Setting of 4 MLD Desalination Plant at Karedu Village, Ulavapadu Mandal, Prakasam District, Andhra Pradesh by M/s Pearl Distillery Limited [F.NO.11-15/2018-IA.III]- CRZ clearance reg.

The proposal of M/s Pearl Distillery Limited is for setting up of a 4 MLD Desalination Plant at Karedu Village, Ulavapadu Mandal, Prakasam District, Andhra Pradesh.

The project proponent made a presentation and provided the following information:

- i) Pearl Distillery Ltd was established in the year 1993 at Old Singarayakonda village, Singarayakonda Mandal, Prakasam District, A.P. Initially in the year 1997 the distillery started with 45 KLPD Molasses based distillery even though the distillery got the license to produce 90 KLPD. The distillery got Environmental Clearance from MoEF in the year 2007 to run on molasses, but in the year 2015 distillery got EC to run on grain.
- ii) Now distillery is having 2 X 45 KLPD grain base distillation plant with necessary effluent treatment plants. Also the distillery is having IMFL bottling unit to produce eight lakh cases per month.
- iii) The proposed desalination plant will have seawater intake volume of 10 MLD (10000 m³/day). The distance of intake pipeline from the plant to the sea will be 1500 m and at 6.0 m water depth.
- iv) The proposed outfall volume will be 6 MLD (6000 m³/day), and at a distance of 2000 m from the plant into the sea and at 7.8 m water depth.
- v) The pipelines will be buried at about 0.5 m below sea bed and laid underground on the terrestrial area.
- vi) The outfall diffuser will have multiple port diffuser system. Two Outfall ports with 250 mm diameter each and two standby ports with 250 mm diameter each.
- vii) The proposed pipelines will pass through CRZ-IB, CRZ-III, CRZ-IVA and CRZ-IV B areas.
- viii) The total cost of the project will be Rs.15 crores.
- viii) The CRZ map indicating HTL, LTL demarcation in 1:4000 scale has been prepared by IRS, Anna University.
- ix) APCZMA has recommended the project vide letter no CRZ- 2017/CR 265/TC 4, dated 04.01.2018.

2. The Committee noted that considering the acute shortage of fresh water availability in the region, harnessing of portable water from sea can be considered as a viable alternative. Based on the deliberations and clarifications made by the project proponent, the Committee therefore recommended the proposal for CRZ clearance subject to the following conditions:

- i) Pipeline laying operation shall be carried out in a shortest duration possible and not exceeding one month.
- ii) Pipelines shall be buried underground and below the seabed (at least 0.5 m below the seabed).

3.3 Proposal for Boutique Hotel project at Survey No.16/4, in village-Semabatim, Salcete Taluka, in Goa by M/s Hermitage Builders Private Limited [F.NO.11-14/2018-IA.III]- CRZ clearance reg.

The proposal of M/s Hermitage Builders Private Limited is for construction of a Boutique Hotel at Survey No.16/4, at village Semabatim, in Salcete Taluka, in Goa. The project proponent made a presentation and provided the following information:

- i) The total plot area is 12271 sq.m, out of which about 9563 sq.m area comes under NDZ. Development of hotel will be carried out only in 2506.25 sq.m plot area outside NDZ and will have a built-up area of 964.96 sq.m.
- ii) The hotel will comprise of 24 rooms, a swimming pool and parking at ground floor.
- iii) The maximum no. of floors will be ground +1 and maximum height of the building will be 9 m.
- iv) The site falls under CRZ-III as per CZMP.
- v) The CRZ map indicating HTL, LTL demarcation in 1:4000 scale with the proposed site superimposed on the map has been prepared by National Institute of Oceanography, Goa.
- vi) Total water requirement will be 26 KLD, which will be sourced from Goa Municipal water supply and topped by tanker supply.
- vii) The waste water generation will be 13 KLD and will be treated through an STP of total capacity 25 KLD. About 7 KLD of treated water will be reused in flushing, gardening etc. and 5 KLD of excess treated will be used for watering other green areas.
- viii) Municipal solid waste about 29 Kg/day will be generated. The biodegradable waste (21 Kg/day) will be treated in organic waste convertor too be installed within the complex. Recyclable waste generated (8 Kg/day) will be hand over to authorised recycler. Used oil will be collected in leak proof containers at isolated place and handed over to authorised recyclers.
- ix) Total power requirement after expansion will be 105 KVA which will be obtained from State Electricity Board.
- x) A D.G set of 125 KVA will be installed for back-up power supply during load shedding. The stack height of the DG Set will be 3 m above roof level.
- xi) Solar Panel and energy saving using solar hot water will be installed.
- xii) The total cost of the project will be Rs. 7.0 crores
- xiii) The GCZMA has recommended the project vide letter no GCZMA/S/12-13/36/829 Dated 03.08.2017.

2. The Committee was informed of a representation received from an NGO. The contents of the representation were deliberated and it was observed that project proponent shall submit a written reply to the Ministry. A copy of the representation was shared with the project proponent. The Committee was also informed that the Goa Investment Promotion Board (GIPB) had withdrawn its In-Principle approval of the project and the back ground and reasons for the withdrawal was sought from the project proponent. The Committee agreed that even though it has no locus standi to seek information on the withdrawal of In-Principle approval by GIPB, in so far as appraisal of the project from CRZ considerations is concerned, it was however decided that in addition to the reply to the representation from the NGO, the project proponent shall submit a background note on the likely reason for withdrawal of the In-Principle approval by the GIPB for the project.

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

- i) A 2% of the cost of the project shall be apportioned for environmental protection measures, to be spent by the project proponent during the currency of the project. Proper record and account of measures taken shall be maintained and submitted to the MCZMA every six months.
- ii) No ground shall be extracted for the project.
- iii) A robust rainwater harvesting system shall be installed.

3.4 Extension of validity and amendment in CRZ clearance for widening and improvement of 2 Lane to 4/6 Lane of NH-47 from Cherthala to Thiruvananthapuram, Kerala by M/s National Highway Authority of India. [F.NO.10-35/2010-IA.III] - reg.

National Highway Authority of India (NHAI) was accorded CRZ Clearances in two parts viz (i) for widening and improvement of 2 Lane to 4/6 Lane of NH-47 from Cherthala to Thiruvananthapuram, Kerala vide F.No. 10-35/2010-IA.III, dated 13.10.2014; and (ii) for development of 2-lane Alappuzha By-Pass of 608 km length and 2 lane By-Pass of Kollam of 13 km length on NH-47 vide F.No. 10-35/2010-IA.III, dated 30.12.2013, respectively. These projects are under the National Highway Development Programme Phase-III in the state of Kerala. The total road length of the project is 172.80 Km and will pass through three districts viz. Alappuzha, Kollam and Thiruvananthapuram. The road will also pass through CRZ areas at 13 locations and the total length in CRZ areas is about 19.816 Kms. The break-up in CRZ areas being as follows: (i) CRZ-IA: 30m; (ii) CRZ-IB: 20m; (iii) CRZ-II: 3319m; (iv) CRZ-III: 14486m; and (v) CRZ-IV: 2090m.

2. NHAI made a brief presentation and informed the Committee that earlier NHAI has taken up to develop the above existing 2 lane stretch for a 4 lane configuration for a PRow width of 45.00m in 2 packages. The 4 laning from Cherthala – Oachira (KM 379/100- KM 465.00) as package –I (including Allapuzha Bypass having a length of 6.8 KM where the required land width of 45.00m was acquired by the State PWD before 20-30 years back). The 4 laning from Orchira – Trivandrum (KM 465/000 – KM 551/900) as package –II (including Kollam Bypass having a length of 13.00KM where the required land width of 45.00m was acquired by the State PWD before 20-30 years back). Currently, the existing road is having a total width of 30m which has to be developed for a PRow width of 45.00m for 4 lane configuration. NHAI has appointed M/s ICT Pvt Ltd., New Delhi as the DPR Consultant for the above project and the alignment fixed by the DPR Consultant has been approved and the boundary stones were planted accordingly from NHAI. The CRZ clearance as per the alignment fixed by ICT has been accorded by the MoEF&CC vide ref (2) cited above. In the meantime, Ministry has accorded sanction for the formation of 2 lane bypass for Alappuzha and Kollam and this work was entrusted to the State PWD NH-Wing for which separate CRZ was accorded by the MoEF&CC vide ref (1) cited above segregating this bypass from the Package I & II prepared by ICT Pvt. Ltd., New Delhi. Although 3A(1) Notification as per NH ACT 1956 was necessitated twice. It was lapsed since the 3D survey could not be completed within the stimulated time due to high resistance from the public. Ministry has omitted this project ie., from Cherthala – Trivandrum (KM 379/100-KM 551/900) from NHAI vide Gazette Notification No. 675(E) dt. 05.03.2014. (copy enclosed) and entrusted back to State PWD NH-wing. Now, again NHI has taken

up this project for 4 laning for a PRow width of 45.00m and M/s SMEC India Pvt. Ltd., New Delhi was appointed as the new DPR Consultant for the above project. The alignment option submitted by NHAI has been approved by the State Government vide PWD-D2/27/2016-PWD dt. 01.02.2017 (copy enclosed). The alignment, is fixed In such a manner to have concentric widening (taking of land equally on both sides as far as possible) resulting a small variation In the alignment already fixed by ICT Pvt. Ltd, New Delhi earlier. The balance portion of Alappuzha and Kollam Bypass for 2 lane is also Incorporated in the package. As no new Bypass or re-alignment or new land acquisition in the CRZ areas are proposed, the project interception on CRZ area shall remain same.

3. NHAI further informed that the project is related to 4 laning of section of National Highway no. 47 (NH-47, new NH-66) from Chertalai to Thiruvananthapuram (from km 379.100 to km 551.900). The project road length is 172.8 km. It starts from km 379.100 of NH-47 at the junction of Thuravoor and ends at Kazhakottam junction at km 551.900. This stretch of road passes through three districts viz. Alappuzha, Kollam and Thiruvananthapuram. There are 88 built-up locations along the project road. The existing ROW along the project road is about 30m. There are 8 nos. of major bridges, 16 nos. of minor bridges, 165 nos. of culverts existing along the project road. The project road from Km 379.100 to 387.500 is 4-lane, whereas rest of the project road is 2 lanes. There are two under construction bypasses at Alappuzha and Kollam along the project road. It is proposed to develop the project road to 2x2 lane divided carriageway and service roads as per IRC guidelines having a ruling speed of 100kms per hour. The design length of the project shall be 170.56 kms. All existing major bridges, minor bridges and culverts will be retained/reconstructed to match the road configuration. Total 54 nos. of new culverts have been proposed. Apart from existing bypasses, a new bypass road is proposed for Attingal town. All bypass shall be constructed as 2x2 lane divided carriageway and service roads as per IRC guidelines. Two toll plazas are proposed at Km 409+000 in Alappubha Bypass and Km 488+500 in Kollam Bypass. The project road is passing through Coastal Zone Regulation (CRZ) areas at 13 locations as submitted in CRZ status report prepared by Centre for Earth Science Studies (CESS) in 2010 (Report Attached). Based on this study, the MoEF&CC had accorded two separate CRZ clearance for (i) improvement of 2 lane to 4/6 lane Cherthala – Kazhakuttam Road except Alappuzha and Kollam Bypass vide letter dated 13.10.2014 and (ii) for construction of Alappuzha and Kollam Bypass vide letter dated 30.12.2013

4. NHAI also stated that the length of the road project in CRZ areas has increased from is earlier approval accorded from 19.665 km to 19.816 i.e by 0.151 km. In addition, there will be an addition of one minor bridge.

5. *The Committee deliberated and observed that while it agrees to the request for amendment and extension of validity sought in the national interest, it is unclear which items/contents in the existing CRZ clearances cited by the project proponent are required to be amended. The Committee therefore sought clarification on the contents of the CRZ Clearances issued earlier in 2013 and 2014, which require an amendment. The mater thus was differed for further clarifications from project proponents.*

4.0 Misc. Item

4.1 Amendment in CRZ clearance for Construction of Malad Sewage Treatment Plant and ancillary facilities by Municipal Corporation of Greater Mumbai (MCGM) at Malad [F.NO.11-1/2016-IA.III] - reg.

The Municipal Corporation of Greater Mumbai (MCGM) was accorded CRZ Clearance on 28th August, 2017 for construction of Malad Sewage Treatment Plant at Malad (W), adjacent to Malad Greek, Survey No. 2841 (Pt), Mumbai; (ii) Construction of Sewer Tunnel Phase-I from Don Bosco School Junction, Borivali (W) to Malad Waste Water Treatment Facilities at Malad and (iii) Construction of Sewer Tunnel Phase-II from Goregaon Pumping Station to Malad Waste Water Treatment Facilities at Mumbai, Maharashtra. MCGM has now requested for amendment of specific condition no.(x) which reads as follows:




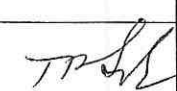
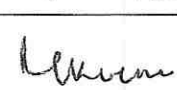
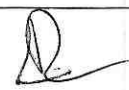
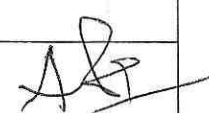
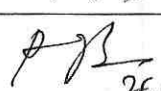



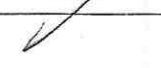
"About 36 ha mangrove cover shall be required to be compromised for the construction of STP and associated input Sewer Tunnel. Accordingly, five times this area i.e approximately 180 ha shall be developed elsewhere in the region as committed by the project proponent."

2. MCGM has requested for an amendment of the above condition stating that this condition is not in-consonance with CRZ notification which stipulates provision of replantation of 3 times the no. of mangrove trees proposed to be cut or destroyed during construction process. MCGM further states that it would not be possible to obtain 180 Ha of land for replantation/development of mangrove trees and therefore has requested modification/amendment of the aforesaid condition by replacing the condition of requiring 5 times the area i.e. approximately 180 ha to be developed by mangrove plantation/regeneration elsewhere in the region by 5 times the number of mangroves affected.

3. The Committee discussed that matter and observed that the aforesaid specific condition was deliberated at length and has been consciously prescribed considering that the development/regeneration based on no. of mangrove trees to be cut would be a highly misadventures proposition as the mangroves are one of its best stock in the Mumbai region. Thus regenerating mangrove trees of this size from seedlings or saplings will take several years or decades. In addition, it was observed that since the project proponent in most cases had not marked each mangrove trees to be cut while coming up before the Committee and the numbers are highly arbitrary and therefore has a room for understating the no. of trees actually affected. The Committee therefore declined to entertain the instant request and decided that there could be no compromise in so far as mangrove regeneration/replantations is concerned, since these are eventually the lungs of Mumbai.

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

**LIST OF PARTICIPANTS OF EAC(INFRASTRUCTURE & COASTAL
REGULATION ZONE) IN THE 192th MEETING OF EAC(COASTAL
REGULATION ZONE) HELD ON 26.06.2018**

S.No.	Name	Designation	Attendance	Signature
1 ✓	Dr. Deepak Arun Apte , Director, BNHS	Chairman	P	
2 ✓	Dr. V.K.Jain, Professor	Member	P	
3.	Dr. M.V.Ramana Murthy	Member	P	
4.	Shri T.P.Singh, Project Director	Member	P	
5.	Dr.N.K.Verma, Ex- AD	Member	P	
6 ✓	Dr. Manoranjan Hota, Ex-Scientist G(Retired)	Member	P	
7 ✓	Dr.Anil Kumar Singh, IFS(Retired)	Member	P	
8.	Shri Prabhakar Singh, Special DG	Member	P	 26.6.2018
9.	Shri Narendra Surana, Managing Director	Member	A	
10.	Dr.Mohan Singh Panwar, Associate Professor	Member	A	
11.	Dr.Anuradha Shukla,	Member	A	
12.	Shri N.K.Gupta	Member	Yes.	
13.	Shri Sanjay Singh	Member	P	
14.	Smt. Bindu Manghat	Member	A	
MOEF & CC Representative				
1	Shri Arvind Nautiyal	Member Secretary	P	
2	Shri W.Bharat Singh	Joint Director(CRZ)	P	
3	Dr.(Ms.) Bhawna K.Negi	Technical Officer(F)	P	