

MINUTES OF THE 332nd MEETING OF EXPERT APPRAISAL COMMITTEE FOR PROJECTS RELATED TO COASTAL REGULATION ZONE HELD ON 10th July, 2023.

The 332nd meeting of the Expert Appraisal Committee (EAC) for projects related to Coastal Regulation Zone was held on 10th July, 2023 at IBP, MoEF&CC, New Delhi through Hybrid mode due to the prevalent pandemic situation. The list of Members presents in the EAC (CRZ) is at **Annexure**.

The deliberations held and the decisions taken are as under:

1.0 OPENING REMARKS OF THE CHAIRMAN

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

2.0 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The Committee having noted that the Minutes of the 331st meeting held on 21st June, 2023 are in order and confirmed the same with suggestions that in case any typographical/grammatical errors are noticed in due course, the same may be corrected suitably.

3.0 CONSIDERATION PROPOSALS:

The EAC (CRZ) considered proposals as per the agenda adopted for the 332nd meeting. The details of deliberations held and decisions taken in the meeting are as follows:

AGENDA 3.1

Proposal for quadrupling of Virar-Dahanu Road Railway Project under Mumbai Urban Transport Project III, District Palghar by M/s Mumbai Railway Vikas Corporation Ltd- Reconsideration for CRZ Clearance

[IA/MH/CRZ/411954/2022; F.NO.11/2/2023-IA.III

“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be

rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”

The proposal was earlier examined by EAC in its 319th meeting held on 17/01/2023 and 323rd meeting held on 23/03/2023; wherein the Project Proponent (M/s Mumbai Railway Vikas Corporation Ltd) along with his EIA consultant (M/s Building Environment (India) Pvt. Ltd.,) made a presentation on above said proposal. The EAC took note of following key parameters and salient features of the project as presented during the meeting as well as the details provided in the brief and application for this project:

- (i) The new proposal is for seeking CRZ clearance for Quadrupling of Virar Dahanu Road Railway Project under Mumbai Urban Transport Project – III.
- (ii) The project for construction of 3rd and 4th line parallel to existing operational Railway tracks between Virar & Dahanu Road Section of Western Railway in Mumbai Suburban Section.
- (iii) CRZ Categorization of the proposed project is as under:

Sl. No.	Village & Taluka	Chainage	Length (m)	Category of CRZ
1.	Naringi, Kopari, Gaskopari & Shirgaon Ta. Vasai	2700 – 5660 (KM 62/9 – 65/10 A)	2960	CRZ- II
2.	Kasrali Ta. Vasai	5660-8300 (KM 65/10A67/32)	2640	CRZ- IA
3.	Kasrali Ta. Vasai	9050-9100 (KM 68/24-68/26)	50	CRZ- II
4.	Wadiv Ta. Palghar	9550-10650 (KM 69/8- 70/12)	1100	CRZ- IA (50 m Mangrove Buffer Zone)
5.	Kandarvan & Karvale Ta. Palghar	11150-12700 (KM 70/28- 72/16)	1550	CRZ- I A
6.	Karvale Ta. Palghar	12700-12900 (KM 72/16-72/20)	200	CRZ-III (No development zone)
7.	Karvale Ta. Palghar	12900-13925 (KM 72/20- 73/20)	1025	CRZ-1A & 1 B
8.	Karvale Ta. Palghar	13925-14400 (KM 73/20- 74/4)	475	CRZ-III (No development zone)
9.	Vangaon Ta. Dahanu	52150-52250 (KM 111/28- 111/32)	100	CRZ-III (No development zone)
10	Kapshi & Asangaon Ta. Dahanu	52250-53000 (KM 111/32-112/22)	750	CRZ-IA (50 m Mangrove Buffer Zone)
11.	Asangaon Ta. Dahanu	53000-53700 (KM 111/22- 113/12)	700	CRZ- I B
12.	Asangaon Ta. Dahanu	53700-54500 (KM 113/12- 114/4A)	1200	CRZ- I A
13.	Asangaon & Pale Ta.	54500-55200 (KM	700	CRZ- I B

	Dahanu	114/4A114/26)		
14.	Pale Ta. Dahanu	55200-55320 (KM 114/26- 114/30)	120	CRZ- IA (50 m Mangrove Buffer Zone)
15.	Pale Ta. Dahanu	55320-58000 (KM 114/30- 117/22)	2680	CRZ- I B

- (iv) The proposed corridor passes through various villages of Vasai, Palgharm and Dhanu. It passes through CRZ-IA, CRZ-IB, CRZ-II and CRZ-III area as per approved CZMP, 2011 (MH 87, MG 90, MH 98).
- (v) The project activity involves diversion of 26.51 ha of forestland, which includes 17.05 ha of mangrove land. Accordingly, "In Principle" Approval for Stage-I forest clearance for the project has been received *vide* Ministry of Environment and Forests and Climate Change letter No. FC-II/MH-146/2021-NGP/9407 dated 28/02/2022. The PP intimated that the compliance report of FC Stage-I Clearance is also submitted to MOEF&CC, IRO Nagpur Office on 30/11/2022.
- (vi) Total of 54.0 ha. area has been proposed for Compensatory Afforestation and details are as follows:

Sl. No.	Village	Taluka	District	Survey/Comptt No.	Area (ha)
1.	Karvela	Palghar	Palghar	82	14.00
2.	Bharol			134	20.00
3.	Medha	Vasai		150	20.00
Total					54.00

- (vii) Maharashtra Coastal Zone Management Authority (MCZMA) recommended the project *vide* their letter no. CRZ 2022/CR 207/Tc 4 dated 09/12/2022.
- (viii) The project requires permission from NBWL as it is fall within 10km radius of protected areas. Accordingly, permission from Add. Principal Chief Conservator of Forest (Wild Life) Western Region, Mumbai received *vide* letter no. क± -३/जमीन /FCA/य. ø. ८० /१६५१/२०२१-२२ dated 20/08/2021.
- (ix) Total cost of the project is ₹3,335.00 Crore.
- (x) Employment generation: Permanent Employment-200 Nos; Temporary Employment-100 Nos; Employment during construction-600 Nos. per day Average; Temporary Employment during operation-100 Nos.
- (xi) Benefits of project: To cater to the daily suburban Railway traffic demand in Virar Dahanu Rd section of Western Railway

2. After detailed deliberation, EAC in its 319th meeting held on 17/01/2023 and 323rd meeting held on 23/03/2023 and noted that the EIA /EMP report submitted by the project proponent is based on old data and is not capturing the present details and submitted partial information in next time meeting and same also accepted by PP. In this the committee desired that EIA / EMP report including Marine and mangrove conservation Plan shall be revised with one season

additional base line data along with current details of values/parameters. Accordingly, the proposal has been deferred by EAC in its 319th meeting.

3. In response, proponent has submitted the revised EIA/EMP through PARIVESH Portal and the same has been deliberated by EAC in the present meeting.

4. PP further intimated that under Section 11(da) of the Railway Act provides special dispensation for the 'railways' to be exempted from seeking clearance under other statutes. However, the PP could not produce any documents during the meeting. After deliberation the Committee suggested PP to seek guidance from the Ministry to seek further clarification for clearance on the aforesaid Act. Accordingly, the Committee deferred the proposal.

AGENDA 3.2

Proposal for Re-routing of initial 0-5.5 km long underground multiproduct pipeline, in between CPCL Refinery Manali and Kosan Bottling Plant at Vayakadu Village in the Chennai-Trichy-Madurai Petroleum product pipeline (CTMPL) proposed by M/s India Oil Corporation Limited (IOCL), Chennai-CRZ Clearance

[IA/TN/CRZ/427393/2023; F.NO.11/31/2023-IA.III]

“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”

The Project Proponent (M/s India Oil Corporation Limited) along with his EIA consultant (M/s Mantec Consultants Pvt. Ltd) made a presentation on above said proposal. The EAC took note of following key parameters and salient features of the project as presented during the meeting as well as the details provided in the brief and application for this project:

- (i) The proposal is for seeking CRZ Clearance for Re-routing of initial 0-5.5 km pipeline section in Chennai-Asanur section of Chennai-Trichy-Madurai petroleum product pipeline (CTMPL) of IOCL.
- (ii) The proposal is for expansion.
- (iii) Environmental Clearance dated 21/03/2001 had been granted to project proponent for laying of underground 520km long Chennai-Trichy-Madurai Petroleum Projects Pipeline (CTMPL).

- (iv) This project includes laying of 14" x 0.375" WT API 5L X 60, 3LPE coated underground dedicated pipeline from IOCL's pump station within CPCL Refinery, Manali and it will be hooked-up with the existing CTMPL at Ch. 5.5km near Vaikkadu village in Tiruvallur district. Operating temperature is 25-40°C and the flow capacity of the pipeline is 3.9 MMTPA (573 KL/hr).
- (v) The re-routing of initial 0-5.5km long underground multiproduct pipeline traverses besides Buckingham canal and crosses Kosasthalayar River/Creek.
- (vi) Out of total 5548.25 m pipeline length, about 1091.91 m length falls under CRZ area (CRZ-1B: 19.60 m; CRZ-II: 1044.25; CRZ-IVB: 28.06 m) and remaining 4456.34 m length falls under non-CRZ area.
- (vii) Pipeline will be laid by Horizontal Directional Drilling for a length of 3.2 km at a max. depth of 10m & by open cut method for a length of 2.3 km at a depth of 2m.
- (viii) The project activity is permissible as per Para 4(ii)(d) of CRZ Notification, 2011.
- (ix) No tree cutting is involved.
- (x) The project will not deteriorate the water quality because no water is discharged to the surface or ground water bodies. There is minimal construction work so the project will be beneficial for the human, vegetation and nearby eco-sensitive place. Therefore, in view of larger number of environmental benefits as compared to nominal costs, the proposed pipeline project shall provide positive impact on environment.
- (xi) The total water requirement during construction phase is about 5 KLD and same will be sourced through the public utility systems or through water tankers.
- (xii) Tamil Nadu State Coastal Zone Management Authority has recommended the proposal for CRZ Clearance vide letter No. 3046/EC.3/2023-1 dated 13/04/2023.
- (xiii) Vide Consent Order No. 1906226022490 dated 05/11/2019 CTE for Expansion has been granted by TNSPCB upto 31st March, 2024.
- (xiv) Total Cost of the project is ₹3760.0 Lakhs (Existing ₹366.0 Lakhs + Expansion ₹3394.0 Lakhs)
- (xv) Employment potential: About 3150 individuals.
- (xvi) Benefit of the project: This pipeline would continue to facilitate economic & reliable Petroleum products supply to whole Tamil Nadu.

2. The Committee deliberated on the proposal. During the deliberation, proponent has informed that original pipeline obtained Environmental Clearance dated 21/03/2001 was not fall within CRZ areas and hence CRZ Clearance for not obtained earlier. The re-routing of initial 0-5.5 km long underground multiproduct pipeline is proposed on the basis of the final In-Line Inspection report (Intelligent Pigging Survey) carried out in Chennai-Asanur Section of CTMPL in 2016 and some stretches of the re-routing falls within CRZ areas and hence CRZ Clearance is required.

3. After detailed deliberation, the Committee noted that the project activity is permissible as per Para 4(ii)(d) of CRZ Notification, 2011 and Tamil Nadu State Coastal Zone Management Authority has recommended the proposal for CRZ Clearance vide letter No. 3046/EC.3/2023-1 dated 13/04/2023. The Committee also suggested that PP shall ensure all safety measurement and also all necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

4. Based on the deliberation clarification provided by the proponent, the committee recommended the proposal for CRZ Clearance subject to following conditions other than standard conditions:

- (i) All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (ii) The pipeline where crossing of water body/river/creek areas should be laid through Horizontal Directional Drilling (HDD) method.
- (iii) Any temporary physical infrastructure setup and excavated material during the construction of project shall not be dumped in water bodies or adjacent areas, construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.
- (iv) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (v) The prior approval from PESO should be obtained before commencement of the pipeline project.
- (vi) No groundwater shall be extracted to meet with the water requirements during the construction and/or operation phases.
- (vii) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (viii) The Project Proponent shall comply order/direction, if any, issued by Hon“ble Court/tribunal on the project.
- (ix) As a part of EMP, nationally and internationally reputed academic institute/University from Tamil Nadu will be provided with State of Art laboratory equipment that can be used for high quality academic and research purpose and their services to be utilized to monitor environmental parameters during the construction.
- (x) All the conditions stipulated by the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) for CRZ clearance under CRZ Notification, 2011 *vide* letter no. 3046/EC.3/2023-1 dated 13/04/2023 and commitments made by the PP before the TNSCMA and EAC shall be followed in letter and spirit.
- (xi) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

AGENDA 3.3

Proposal for Laying of propane pipeline from BPCL, Uran to GAIL Petrochemical Complex at Usar, Raigad, Maharashtra by M/s GAIL India Limited-CRZ Clearance

[IA/MH/CRZ/429599/2023; F. NO.11/34/2023-IA.III]

“The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of the data/information submitted is found to be false / misleading at any stage, the project will be rejected and Environmental and or CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.”

The Project Proponent (M/s GAIL India Limited) along with his EIA consultant (M/s Engineers India Limited) made a presentation on above said proposal. The EAC took note of following key parameters and salient features of the project as presented during the meeting as well as the details provided in the brief and application for this project:

- (i) The instant new proposal is for seeking CRZ Clearance for the Laying of the Propane Pipeline from BPCL, Uran to GAIL Petrochemical Complex at Usar, Raigad by M/s Gail India Limited.
- (ii) The total length of the pipeline is 45.51km. The total length in CRZ area is 11833.16 meters. (iv) CRZ Categorization of the proposed project is as under:

CRZ Classification	Length in Meters
CRZ - IA	670.74
CRZ - IA (50m Mangrove Buffer Zone)	4082.55
CRZ - IB	1559.88
CRZ - II	564.57
CRZ - III (NDZ)	4586.12
CRZ - IVB	369.30
CRZ Area	11833.16
Outside CRZ	33676.84
Total	45510.00

- (iii) The project activity is permissible as per para 4(ii) (d) of CRZ notification, 2011, and requires prior CRZ Clearance from MoEF&CC.
- (iv) The proposed start point will be BPCL Uran, coordinates: 18°52'36.89"N & 72°58'46.32"E, village Bhendkhal, Uran tehsil, Raigad district, Maharashtra.

Receipt Terminal (RT) will be at GAIL's Usar Plant, co-ordinates: 18°36'28.87"N & 72°58'38.59"E, village - Kune, Alibag tehsil, Raigad district, Maharashtra.

- (v) Total land required for the project activity is 70.536 ha. of which, forest land is 5.7273 ha. and non-forest land is 64.8087ha.
- (vi) The proposed pipelines crossing Reserved Forest & total length of Reserved Forest is 3.242 ha (2.318 ha. for diversion of forest and 0.924 ha. for re-diversion of forest). Forest Clearance for 2.318 ha. diversion of forest areas is applied to MoEFCC *vide* application no. FP/MH/Pipeline/155612/2022 dated 23/05/2022. Forest Clearance for 0.924 ha. re-diversion of forest areas is applied to MoEFCC *vide* application no. FP/MH/Pipeline/155620/2022 dated 23/05/2022.
- (vii) The proposed 45.51 km propane pipeline will be crossing various creeks and rivers at 37 locations will involve trenching operations which will have an impact on the adjoining mangrove ecosystem.
- (viii) Out of 37 crossing locations, mangroves are present only at 20 pipeline crossing locations. Among them, 9 locations have moderately dense mangroves and remaining 11 locations have patchy mangroves. HDD technique will be used for pipe laying at all the mangrove crossing locations.
- (ix) Total cost of the project is ₹20365.0 Lakhs. Proposed capital cost of EMP is ₹37.0 lakhs and recurring cost is ₹12.0 lakhs per annum.
- (x) Maharashtra Coastal Zone Management Authority (MCZMA) has recommended the proposal *vide* letter no. CRZ2022/CR271/TC4 dated 14/02/2023.
- (xi) Benefits of the project: Meet the projected domestic demand of petrochemicals by increasing the Production of Petrochemicals.

2. The committee deliberated on the proposal. After deliberation, the committee noted that the project activity is permissible as per para 4(ii) (d) of CRZ notification, 2011 and Maharashtra Coastal Zone Management Authority (MCZMA) has recommended the proposal *vide* letter no. CRZ2022/CR271/TC4 dated 14/02/2023. The committee opined that pipeline crossing the mangrove areas should be laid by HDD at the depth of 10m in order to minimize adverse effect on mangroves. The Committee also suggested that PP shall ensure all safety measurement and also all necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

3. Based on the deliberation and clarification provided by the proponent, the committee recommended the proposal for CRZ Clearance subject to following conditions:

- (i) All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (ii) The pipeline where crossing of water body/river/creek areas should be laid through Horizontal Directional Drilling (HDD) method.

- (iii) Pipeline crossing the crossing of mangrove areas should be laid through HDD at the depth of 10m.
- (iv) The prior approval from PESO should be obtained before commencement of the pipeline project.
- (v) Any temporary physical infrastructure setup and excavated material during the construction of project shall not be dumped in water bodies or adjacent areas, construction material and structures/scaffoldings erected for construction at site shall be cleared immediately after finishing construction and it shall be ensured that no construction waste, garbage and machinery or equipment are left post construction.
- (vi) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (vii) No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phases.
- (viii) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (ix) The project proponents will certify that there is no legal restriction on the proposed project activities at the proposed site.
- (x) The Project Proponent shall comply order/direction, if any, issued by Hon“ble Court/tribunal on the project.
- (xi) As a part of EMP nationally reputed institute will be provided with funds to establish state of art academic facilities that can be used for high-quality academic and research purposes. Accordingly, 1 Crore as a one-time grant is to be provided to the Deccan Education Society (DEC) of the University of Pune within 3 months from the grant of extension of CRZ clearance for developing state of art academic facilities to undertake the biodiversity studies. DEC will also undertake monitoring of the project during construction and one year post construction of the impact especially on the mangrove and wetlands in the region. A separate budget to be provided for the same.
- (xii) All the conditions stipulated by the Maharashtra Coastal Zone Management Authority (MSCZMA) for CRZ clearance under CRZ Notification, 2011 vide letter no. CRZ2022/CR271/TC4 dated 14/02/2023 and commitments made by the PP before the TNSCMA and EAC shall be followed in letter and spirit.
- (xiii) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

Annexure

List of the Expert Appraisal Committee (CRZ) Members participated during Hybrid Meeting held on 21/06/2023.

S. No.	Name of Members	Designation
1.	Dr. Deepak Arun Apte	Chairman
2.	Dr. M.V. Ramana Murthy	Member
3.	Dr. Manoranjan Hota	Member
4.	Shri S. Jeyakrishnan	Member
5.	Prof. V. K. Jain	Member
6.	Prof. A.K. Pachauri	Member
7.	Prof. Mukesh Khare	Member
8.	Dr. Nirmalendu Kumar	Member
9.	Shri Sham Wagh	Member
10.	Dr. Neraj Sharma	Member
11.	Dr. H. Kharkwal	Member Secretary
12.	Dr. Ragavan P, Scientist B	MoEF&CC
