

WEST BENGAL STATE COASTAL ZONE MANAGEMENT AUTHORITY

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No. 244 - EN/T-II-4/30/2021

Date : 07 /12/2021

To,

The Secretary,
Ministry of Environment, Forests and Climate Change,
Government of India,
Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003

Sub: CRZ recommendation for proposed extension of P-Xylene pipeline (approx.340 meters) on the western side of Hooghly river at Haldia Dock Complex, District-Purba Medinipur, West Bengal by MCPI Private Ltd.

Sir,

1. This has reference to the above-mentioned subject wherein the MCPI Private Limited has submitted an application to West Bengal State Coastal Zone Management Authority (WBSCZMA) seeking CRZ clearance for the proposed extension of P-Xylene pipeline (approx.340 meter) from the running 18 inch over-ground MCPI pipeline to the proposed Outer Terminal II. The pipeline passes through an existing 'T' connection on the western side of Hooghly river in Mouzas Dandattachak (JL.No.-185) and Gokul Mishrir Chak (JL.No.-188) Tehsil: Sutahata at Haldia Dock Complex, District Purba Medinipur, West Bengal.

The salient features of the Project, for which CRZ clearance has been sought are as follows;

1	Location	Part of mouzas Dandattachak (JL.No.-185) and Gokul Mishrir Chak (JL.No.-188), Tehsil: Sutahata, Haldia, District Purba Medinipur (West Bengal).
2	Area (Project Size)	340 meter running pipeline connecting the existing Para-Xylene Pipeline to the Outer Terminal II of HDC
3	CRZ classification	CRZ-IA (Mudflats): 8.2202 mt., CRZ-IB (Intertidal): 8.2766 mt., CRZ – II (Developed Area): 263.8714 mt., CRZ – IVB (Water): 59.6885 mt.
4	Expected Project Cost	INR 2.94 crore
5	Geographic co-ordinates	1. Initiation point at T connection : Lat 22°01'42.67" N & Long 88° 05'36.10" E 2. First point of bent : Latitude 22° 01' 43.28" N & Longitude 88° 05' 35.63" E 3. Second point of bent: Lat 22° 01' 39.50" N and Longitude 88° 05' 29.34" E 4. End point of pipeline: Lat 22° 01' 36.69" N and Longitude 88° 05' 31.16" E

6	National Park/ Sanctuary/ Biosphere Reserve/ RF etc	No (as mentioned in the Environmental Impact Assessment; Page-5)
7	Seismic Zone	Seismic Zone - III

2. The above proposal for recommendation under CRZ was considered by WBSCZMA in its meeting held on 27.09.2021. As per the project documents submitted and presentations made by the Project Proponent, it is observed that:

- (i) MCPI Pvt. Ltd. is a port-based chemical industry which manufactures Purified Terephthalic Acid (PTA) for which Para-Xylene (as petroleum Class B, POL Product & Chemicals) is the main raw material. To increase the production of PTA, the PP intends to import additional Para-Xylene through the Haldia Port. The additional raw material is planned to be imported through Outer Terminal-II (OT-II) of Haldia Dock Complex, located at Lat 22°01'39.1" N and Lng 88°05'29.8" E.
- (ii) In order to facilitate unloading of Para-Xylene from ships docked at OT-II, the PP is planning to lay an extension of 18-inch diameter, approximately 340 meter long Para-Xylene pipeline from its existing 18 inch over-ground pipeline through a "Taping Point/T-Connection" to the OT-II jetty of Haldia Dock Complex.
- (iii) The entire stretch of the proposed pipeline i.e. approximately 340 meter will be laid within the Haldia Dock Complex on the western bank of Hooghly river in Mouzas Dandattachak (JL.No.-185) and Gokul Mishrir Chak (JL.No.-188) Tehsil: Sutahata, District Purba Medinipur, West Bengal. The total cost of the Project is Rs.2.94 crore.
- (iv) As per the report prepared by Institute of Environmental Studies and Wetland Management (IESWM), based on the MoEF&CC-approved CZMP, 2011 (as per CRZ Notification, 2011), the Area of Interest (AoI) falls under the following CRZ categories.

SL. NO.	DESCRIPTION	LENGTH (in meters)	PERCENTAGE
1	Total length of proposed Pipeline	340.0567	100
2	CRZ – IA (Mudflat)	8.2202	≈ 2.42
3	CRZ – IB (Intertidal)	8.2766	≈ 2.43
4	CRZ – II (Developed Area)	263.8714	≈ 77.60
5	CRZ – IVB (Water)	59.6885	≈ 17.55

- (v) The CRZ report prepared by IESWM, on scale 1:4000 reveals that a stretch of 8.2 mts of the proposed pipeline (which constitutes 2.4% of total AoI) and aligned with the OT-II jetty will pass over a small patch of mudflat (CRZ IA) along its edge as per MoEF & CC-approved CZMP, 2011.

The report also mentions that the jetty is extended from the road-cum-embankment into the river at an elevation from the ground, and as the proposed pipeline will extend along it, there would not be any contact between the AoI and mudflat/intertidal zone.

- (vi) The proposed extension of pipeline would be on undeveloped land within the Haldia Dock Complex which is a lease area from Kolkata Port Trust.
- (vii) The extension of pipeline will start from existing 'T' connection at 22° 01' 42.67" N and 88° 05' 36.10" E and will terminate at 22° 01' 36.69" N and 88° 05' 31.16" E on OT-II.
- (viii) The approximate length of the pipeline will be 340 meters, of which about 260 meters of Carbon Steel 3LPE coated pipeline will be laid in trench/culvert and 90 meters of pipeline will be laid above ground.
- (ix) The PP also informed that grant of formal Way Leave Permission for laying the proposed pipeline has already been received from the Haldia Dock Complex.
- (x) One-time 100 KL water is required for Hydro testing of pipeline during implementation of the project. During operation, about 100 liters per day water will be required only during unloading of Para-Xylene from ship to plant through pipeline which will be sourced from the existing water network of Haldia Development Authority.
- (xi) The estimated power requirement for construction of pipeline will be 3 KVA, which will be sourced from local DG sets.
- (xii) No effluent will be generated during operation of the proposed project.
- (xiii) As the transportation of Para-Xylene (as raw material) and Purified Terephthalic Acid (PTA) (as finished product) would be through close-loop pipeline system, it would not generate any solid waste.
- (xiv) As stated by the PP, the pipeline thickness and minimum depth at which it would be laid would conform with the American Petroleum Industry (API)/ American Society of Mechanical Engineers (ASME) requirements.

3. In its meeting held on 27/09/2021, the WBSCZMA after going through the project documents and presentation made some observations/ asked for clarifications and suggested as follows:

- (i) The experts felt that as per EIA Notification, 2006 along with its amendments, the proposed project would require Environment Clearance and directed the PP to check its applicability.
- (ii) The experts enquired that as most of the pipeline would be laid underground, in case of flooding or any other natural calamity, whether the pipeline would be strong enough to withstand the additional stress exerted on it.
- (iii) The Authority also enquired about the precautionary measures to be adopted while laying of the pipeline so as to prevent any disturbance to the natural vegetation or mudflats.

4. Clarifications offered by Project Proponent (PP):

In reply to the above queries, the Project Proponent assured that;

- (i) The proposed project does not fall under the category of hazardous substance and as such no environmental clearance is required for this purpose.
 - (ii) Project Proponent assured that all technical and engineering measures would be taken to protect the pipe lines from natural calamities.
 - (iii) All types of environmental safeguards would be adopted at the time of laying of the pipeline.
5. The Project Proponent was directed to incorporate the suggestions and observations of WBSCZMA as discussed during the meeting. The PP was directed to verify the requirement of environmental clearance for the proposed project as CRZ-IA is an ecologically sensitive area and 8.2202 mtr. of the proposed pipeline is passing through CRZ-IA. It was also decided that the proposed project would be recommended for CRZ clearance upon receipt of a written undertaking from M/s MCPI Pvt. Ltd. that the proposed pipeline is strong enough to withstand flooding and other natural hazards that the Project area is prone to.
6. Accordingly, MCPI Private Limited submitted point-wise reply vide Ref. No.WBSCZMA/10/21/1016 dtd. 07.10.2021 and further clarification through email on 03.11.2021. The point-wise reply submitted by PP was again circulated and discussed among the members of WBSCZMA.

Based on their deliberations and recommendations, the WBSCZMA unanimously agreed to recommend the said project to Ministry of Environment, Forests and Climate Change (MoEF & CC), Government of India, subject to conditions specified below, for CRZ clearance as per CRZ Notification, 2011:

7. GENERAL CONDITIONS:

- (i) CRZ norms as laid down in CRZ Notification, 2011 should be strictly followed.
- (ii) Drawal of ground water within 200m of HTL is prohibited. In no case, ground water should be extracted without permission of the Competent Authority under the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- (iii) Liquid waste from this area should not be allowed to drain into the river without proper treatment.
- (iv) The Proponent should abide by the Municipal Solid Waste (Management & Handling) Rules, 2016. The Proponent must develop the solid waste management and disposal plan ensuring storage and segregation of bio-degradable and non-biodegradable wastes. The biodegradable wastes to be composted and used as manure. The inorganic wastes should be handed over to the Municipal Authority.
- (v) The Proponent should strictly abide by The West Bengal Trees (Protection and Conservation in non-forest areas) Rules, 2007.
- (vi) The Project Proponent shall submit a half yearly compliance report to WBSCZMA in respect of the stipulated terms and conditions in hard and soft copies on 1st July and 31st December each calendar year.
- (vii) Adequate provisions for the infrastructure facilities including water supply and sanitation should be ensured for the labourers during the construction period in order to avoid damage to the surrounding environment. Medical aid facility to be made available quickly in case of an accident.
- (viii) The Project Proponent would construct bio-toilets to dispose of liquid wastes.
- (ix) Construction materials and wastes including hazardous substances, if any, should not be allowed to pollute the surrounding land or aquatic environment, as the case may be and should be disposed of as per prevalent rules.
- (x) The noise level and the suspended particulate matters should be kept within permissible levels during construction as well as operation phase.
- (xi) There should not be any removal of vegetative cover both during the establishment and operations stage, without the prior sanction of appropriate authority.
- (xii) The WBSCZMA may monitor the implementation of the project at any stage. The authorised officials of the West Bengal State Coastal Zone Management Authority shall have the power to inspect the sites to enforce the attendant conditions imposed by the State authority. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary.
- (xiii) Regular monitoring of the environmental parameters should be done to maintain environmental status of the area.

8. SPECIFIC CONDITIONS:

- (i) The Project Proponent would provide for lying of the pipeline (both in trench/culvert and above ground) in a manner to ensure that will not pose any hazard to the environment. CRZ norms specially for lying of pipeline and ancillary construction, if any, should be strictly followed as laid down in CRZ Notification, 2011 along with amendments from time to time.
- (ii) Approval of West Bengal Pollution Control Board should be obtained prior to establishment and operation.
- (iii) M/s MCPI Pvt. Ltd. should submit a written undertaking at the time of presenting the case at MoEF&CC stating that the proposed pipeline is strong enough to withstand flooding and other natural hazards.
- (iv) The recommendation of CRZ clearance mentioned here is limited to 340 meters running pipeline connecting existing Para-Xylene Pipeline to Outer Terminal II of Haldia Dock Complex (HDC) which is already earmarked for this purpose by HDC falling within the Coastal Regulation Zone of West Bengal.
- (v) Green DG sets should be installed for controlling sound and gaseous emission.
- (vi) Noise and vibration during construction & operation should be minimized through good working practices and management of working hours. Dust suppression should be done by sprinkling water wherever necessary.
- (vii) PPE kits should be provided to the workers during construction. The first-aid kits should also be ensured at construction sites. Use of safety equipment like goggles, helmets etc. to be ensured compulsorily.
- (viii) Proper fire fighting equipment should be kept ready, regularly maintained and occasional drills to be carried out. Storage of fuel should be as per the Rules and guidelines laid down in relevant statutes.
- (ix) Indigenous plants to be used for plantation in the area in collaboration with the Forest Department.
- (x) All vehicles, machinery and equipment to be engaged for construction would conform to relevant pollution standards.
- (xi) There should not be any removal of vegetative cover both at the establishment as well as operations stage, without the sanction of appropriate authority. Compensatory afforestation of suitable tree species 5 times that of the number of trees felled would have to be done with the Forest Department, in case of tree felling.

- (xii) After completion of construction activities general clean up of area including inter tidal area should be undertaken.
- (xiii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary.

Yours faithfully,



(Vivek Kumar)

Addl. Chief Secretary,
Environment Department &
Chairman, WBSCZMA

- Encl.: 1. Copy of EIA including EMP, Form – I and maps
2. Minutes of meeting of WBSCZMA held on 27.09.2021
3. Observations of WBSCZMA expert member
4. Response of MCPI on the observations of WBSCZMA expert member
5. Way leave permission letter

No. 2144 /1(1) EN/T-II-4/30/2021/1(1)

Date : 07 /12/2021

Copy forwarded for kind information to:

1. Sri. D. P. Patra, Whole time Director, MCPI Private Ltd.



(K. Balamurugan)

Chief Environment Officer
Environment Department
&

Member Secretary, WBSCZMA

No. 2144 /2(3) EN/T-II-4/30/2021/2(3)

Date : 07 /12/2021

1. District Magistrate, Purba Medinipur District.
2. Member Secretary, West Bengal Pollution Control Board
3. P.S. to Hon'ble MIC, Environment Department



(K. Balamurugan)

Chief Environment Officer
Environment Department
&

Member Secretary, WBSCZMA