

**Minutes of the meeting of WBSCZMA for considering the proposal for
CRZ clearance for laying of pipelines at the Haldia Dock Complex by
Haldia Petrochemicals Ltd., held on 21.09.2020 in the Environment
Department, Government of West Bengal**

The virtual meeting of West Bengal State Coastal Zone Management Authority (WBSCZMA) was chaired by Shri Vivek Kumar, Principal Secretary, Environment Department and was attended by the following -

1. Mr Niraj Singhal, Chief Environment Officer, Environment Department - Member Secretary
2. Mr. Rajeev Sharma, Senior Environment Officer, Environment Department, Special Invitee
3. Mr. Sandip Chatterjee, Ex-Engineer-in-Chief, Dept. of Public Health Engineering, GoWB, as WBSCZMA Expert Member
4. Dr. Parthasarathi Chakraborty – Former Chief Scientist, Geo-informatics & RS Cell, Department of Science and Technology, as WBSCZMA Expert Member
5. Dr. Sugata Hazra, Former Director, School of Oceanographic Studies, Jadavpur University – Special Invitee (attended online)
6. Mr. S. Mardi, Environmental Engineer, WBPCB - Special invitee

On behalf of project proponent i.e. M/s Haldia Petrochemicals Ltd (HPL), the meeting was attended virtually by following persons:

1. Mr. Arun Chanda, General Manager – Materials & Logistics, Haldia Petrochemicals Ltd.
2. Mr. Sangata Mahindar, Chief Manager, Environment, Haldia Petrochemicals Ltd.
3. Ms. Indrani Ghosh, ERM (environmental consultant)

The discussion which ensued may be summarized as follows:

1. The Principal Secretary welcomed all the participants, and at the outset summed-up the progress made so far regarding the application for CRZ clearance of the said project. He recalled that during the previous WBSCZMA meeting held on 09.07.2020, the project proponent was requested to address some issues viz. “after-effects of Amphan cyclone on the existing pipelines and related infrastructure” and “withstanding capacity of proposed pipelines and related infrastructure to cyclones and tidal surge hazards with possible futuristic increase in intensity of cyclonic storms”. HPL had also been advised to submit a revised Environment Management Plan (EMP) since it was lacking the mitigation measures as per the Environment



Impact Assessment (EIA) Report. The project proponent had also been requested to submit the details on 'fire safety' measures, the movement of construction material and height of proposed pipelines relative to highest recorded level of submergence. Since HPL's proposed pipelines were contingent upon completion of new dock by Kolkata Port Trust (KoPT), the latter's comments were also to be sought by the WBSCZMA.

2. After this brief recap by the Chairperson, the HPL officials made a concise presentation confirming their compliance of all the observations made earlier on their proposal by the WBSCZMA members/ experts, as given below:
 - a) The house was informed that TUV, a third party inspection agency, was engaged by HPL to assess the after-effects of Amphan cyclone on the existing pipelines and related infrastructure. Based on their report, corrective action was taken by HPL.
 - b) Various standards to be followed for construction of pipelines were specifically mentioned by HPL. The structural design for pipe supporting bridge structure had been checked for adequacy by M/s Bridge and Roof.
 - c) Revised Environment Management Plan with revised budget has been submitted by HPL.
 - d) Details of fire safety and fire handling measures have been submitted by HPL.
 - e) It was mentioned that at Haldia, the mean high tide and mean low tide in Hooghly river is 6.5m and 2m respectively. The maximum recorded high flood level (HFL) of Hooghly river is 7.26 m. The height of the jetties is +1m above HFL and proposed pipelines will be laid +1m to 1.5 m above the height of the jetty.
 - f) HPL stated that apart from pipelines, no other construction material would be fetched from outside and that no earth materials would be carried from/to outside the project area.
3. As per letter no. I&CF/IZ&R/SDM/WBSCZMA/HPL/1083 dated 26.08.2020 of The Chairman, Kolkata Port Trust, the HPL has already been granted permission for laying their pipelines along the pre-identified location from Haldia Oil Jetty (HOJ)-1,2&3 along with a corresponding Right of Work (RoW). KoPT has further conveyed that as Outer Terminal-2 (OT-2) is scheduled to be constructed by December, 2021, RoW for laying pipeline to OT-2 will be issued to HPL later. They also stated that KoPT has no objection to the proposed route of pipeline as shown by HPL in their presentation to WBSCZMA.
4. Chairman made an observation that since OT-2 is scheduled to be completed at the end of 2021, why WBSCZMA should give recommendation for the same now itself. The project proponent replied that they have no problem if rest of the project is recommended now and part related to OT-2 is kept pending, but it will save their time



if the project is considered in totality at one go since they have to move to multiple authorities like Petroleum and Explosives Safety Organisation (PESO) and West Bengal Pollution Control Board (WBPCB) for necessary sanction which is a time-taking process.

5. The WBSCZMZ expert members viz. Mr Sandip Chatterjee and Dr Parthasarathi Chakraborty, and special invitee Dr Sugata Hazra, participating in the virtual meeting expressed their satisfaction over the compliance, by HPL, with the various objections/ observations made earlier on the latter's proposal by the WBSCZMA. They were of the opinion that in its present form, HPL's proposal may be recommended to National Coastal Zone Management Authority (NCZMA) for their approval.⁹
6. Accordingly, considering the fact that the queries/ observations/ questions of WBSCZMA raised in the earlier meeting held on 9 July 2020 had been satisfactorily addressed by HPL and taking into account the views of the Expert Members of WBSCZMA offered in the meeting, it was decided that the instant proposal of HPL be recommended for approval by the National Coastal Zone Management Authority.

The meeting ended with thanks to and from the Chair.




(Vivek Kumar)
Principal Secretary &
Chairman, WBSCZMA

- (a) Height of proposed pipelines with respect to highest recorded level of submergence, impact and safety measures for pipelines at time of submergence including impact of submergence where the pipeline goes underground.
- (b) Construction materials which are to be brought from outside and earth materials required to be carried from/to outside of the area of interest.

The project proponent is advised to make a revised submission accordingly.

- v. It was observed that the proposed project of pipelines is conditional / contingent upon the completion of the new dock and other infrastructure by Kolkata Port Trust (KoPT). Therefore, it is prudent to seek the comments of KoPT on the proposed project. Also, it was decided that WBSCZMA will write to KoPT requesting to inform the timeframe by when KoPT would be providing the co-related infrastructure to HPL for the proposed pipeline.

The meeting ended with thanks to and from the Chair.


Principal Secretary
Department of Environment
&
Chairman, WBSCZMA

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Minutes of the 5th Meeting Of West Bengal State Coastal Zone Management Authority (WBSCZMA) held on 9th July, 2020 in the Department of Environment,

The following members of WBSCZMA / officials attended the meeting-

1. Mr Vivek Kumar, Principal Secretary, Environment Department - Chairman
2. Mr Niraj Singhal, Chief Environment Officer, Environment Department - Member Secretary,
3. Md Abdul Gani, Special Secretary, Sundarban Affairs Department - Member
4. Mr Sandip Chatterjee, Ex-Engineer-in-Chief, Dept. of Public Health Engineering - Member
5. Dr Bibhas Chandra Barman, Irrigation and Waterways Department, GoWB - Member
6. Dr Sugata Hazra, Former Director, School of Oceanographic Studies, Jadavpur University – Special Invitee (attended online)
7. Mr S. Mardi, Environmental Engineer, WBPCB - Special invitee

The following persons on behalf of the project proponent i.e. M/s Haldia Petrochemicals Ltd attended the meeting-

1. Mr Arun Chanda, General Manager – Materials & Logistics
2. Mr Tushar Maiti, General Manager (Projects)
3. Mr Chayan Mondol, Sr General Manager, Mechanical
4. Mr Sangata Mahindar, Chief Manager, Environment
5. Mr Debanjan Bandyopadhyay, ERM (environmental consultant)
6. Ms Indrani Ghosh, ERM (environmental consultant)

The Principal Secretary, Environment Department and Chairman, WBSCZMA chaired the meeting and welcomed all participants. After a brief round of introductions, the Project Proponent was requested to make a presentation on their proposal – “Proposed pipelines from HPL facilities to oil jetties of Haldia Dock Complex”. The entire project was presented in detail by the Project Proponent through a presentation along with maps. The total length of the proposed pipeline is 58496 m out of which 38770 m will be along / parallel to the existing pipelines, while the balance 22.872 km of the pipeline is proposed to be laid anew. A total of 2511 metre pipeline is envisaged to be laid in the area falling under CRZ I and CRZ II zones which is under direct mandate of the WBSCZMA, out of which 2228 m is along already existing pipelines.

After detailed discussions, the following decisions were taken-

- i. As per Expert Members, the area is vulnerable to natural hazards like cyclones especially under the looming threat of climate change. Therefore Project Proponent was asked to submit to the authority the following studies and inspection reports-
 - (a) After-effects of Amphan cyclone on the existing pipelines and related infrastructure.
 - (b) Withstanding capacity of proposed pipelines and related infrastructure to cyclones and tidal surge hazards with supporting documents keeping in mind the possibility that the intensity of natural disasters / cyclonic storms may increase in future.
- ii. It was found that in the Environment Impact Assessment (EIA) report, the proposed mitigation measures do not match with the proposed activities under Environment Management Plan (EMP). Therefore, Project Proponent is advised to submit a revised EMP.
- iii. Details of ‘Fire safety and fire handling measures’ have to be submitted by project proponent.
- iv. The Expert Member Mr Sandip Chatterjee suggested modifications in the check list submitted by the Project Proponent with respect to the following items:-