

F.No.10-26/2015-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 17th May, 2017

To,

The Chief Engineer,
Kolkata Port Trust,
Civil Engineering Department, 15, Strand Road,
Kolkata – 1 (West Bengal)

Subject: Setting up of Mini Bulk Carriers Handling Facility in the Upstream of 3rd Oil Jetty with the Help of Floating Crane/ Pontoon Fitted Crane at Haldia Dock Complex (HDC), Kolkata Port Trust (West Bengal) by M/s Kolkata Port Trust - Environmental and CRZ Clearance - reg.

Sir,

This has reference to your online Proposal No. IA/WB/MIS/30603/2015 dated 29th December, 2016, submitting the above mentioned proposal to this Ministry for grant of Environmental and CRZ Clearance in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 2011, under the Environment (Protection), Act, 1986.

2. The proposal for '**Setting up of Mini Bulk Carriers Handling Facility in the Upstream of 3rd Oil Jetty with the Help of Floating Crane/ Pontoon Fitted Crane at HDC, Kolkata Port Trust (West Bengal) by M/s Kolkata Port Trust**' was considered by the Expert Appraisal Committee (Infra-2) in the Ministry in its 13th meeting held on 23rd - 25th January, 2017.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meeting, are reported to be as under:-

(i) **Proposal:** The project includes construction of hardstand and road from the shore up to transit storage area of cargo at the extended area of G.C. Berth along with design, construction and setting up of the floating jetty facility with all ancillary cargo handling equipment in the upstream of 3rd oil jetty. The project envisages creation of a new cargo handling facility at HDC, KoPT.

(ii) The total area envisaged to be utilized on the shore is 18000 m². Total area envisaged to be utilized in river is 2000 m².

(iii) Haldia Dock Complex of Kolkata Port Trust will construct a floating barge jetty with Crane facility at the upstream of 3rd oil jetty at latitude 22 ° 01' 12.4" N and Longitude 88° 04'39.1" to handle Mini Bulk Carriers (MBC) of about 10,000-12,000 DWT carrying cargo like Coal etc.

(iv) Cargo handling capacity will be 2.55 MMTPA.

(v) The project envisages unloading of cargo from MBC by means of a crane to be fitted over a floating pontoon and RCC Walkway platform to be transferred by means of Conveyor to shore hardstand. The cargo will be evacuated by 25 numbers of 10 wheeler dumper, 9 numbers of Pay loader, 2 numbers Excavators and one number of bull Dozers and storing

the same at the L plots of G.C. Berths. The pontoon size is 70m x 25m with 3 m depth with draught of 1.8 m.

(vi) The components of the project are as under:

- Commissioning of a floating Crane/Pontoon (70m x 25m X 3 m) fitted with Crane, Pay loader and Mooring Boat pontoon.
- Commissioning of Conveyor belt & hopper; Pile support & dead man & bollards
- Width of conveyor belt with a width of 1.5 m and capacity to carry 540 m³ per hour at a belt speed of 2 m/sec.
- 7 m wide Approach Trestle having 1.5 m walk way on each side
- 2 nos of Berthing dolphins (of size 6mx6m , each deck comprising of 4 nos of 1300 mm dia piles)
- 4 nos of 600 mm dia pile for installing 50 MT bollards
- Paver topped Hardstand : 100m x 40 m

(vii) There is no eco-sensitive area is located within 10 km distance.

(viii) No dredging will be carried out at the project site. During project operation phase, a large portion of cargo would be handled through road.

(ix) A total water requirement during operation phase has been estimated as 153.5 m³/day. Quantity of sewage likely to be generated during operation phase would be of the order of 2.8 m³/day. Hence it is proposed that the sewage generated from the jetty during operation phase shall be treated in the existing STP of Haldia Dock Complex comprising of waste stabilization pond. The measures to be taken for prevention and control of water pollution are i) Slope of the bulk cargo storage facility will be towards landward side to avoid storm water draining into the river; (ii) Runoff will be collected in a sump and allowed to settle. An oil separator will be installed prior to the sump to arrest oil and grease from entering into the sump. Clear water from the sump will be allowed to overflow to the existing storm water drain of HDC for ultimate disposal. In addition, to prevent or minimize storm water pollution appropriate storm water pollution prevention plan (SWPPP) will be developed. SWPPP will be specific, because every unit is unique with source, type and volume of contaminated storm water discharge; (iii) Bulk cargo area will be paved and made impermeable for any leachate to percolate to the subsurface water table; (iv) Ballast and bilge water will be, handed over to registered re-refiners or treated at ballast water treatment plant available in Haldia Dock Complex. (v) While pumping out bilge and ballast water from ship to shore, care will be taken to avoid spillage.

(x) Greenbelt will be developed in an area of 9500 m², out of which 8100 m² area is earmarked along 1.35 km long road from temporary stack yard to common stack yard. 1400 m² is earmarked along the periphery of temporary stack yard.

(xi) **SCZMA Recommendations:** The West Bengal Coastal Zone Management Authority (WBCZMA) has recommended the project vide their letter No.285/EN/T-II-4/011/2016 dated 26th December, 2016. The HTL/LTL demarcation for the project site was conducted by Institute of Environmental Studies and Wetland Management, Kolkata. The Project area falls in the Zone-I, II & IVB as per the CRZ Notification, 2011.

(xii) **Investment/Cost:** The total cost of the project is Rs. 73.70 crore.

(xiii) **ToR Details:** TOR was granted for the project vide letter No.10-26/2015-IA-III dated 8th January, 2016.

(xiv) **Public Hearing:** Public hearing was conducted on 21st September, 2016.

4. The Expert Appraisal Committee (Infra-2), after detailed deliberations on the project, has recommended the project for grant of Environmental and CRZ Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental and CRZ Clearance for the project **'Setting up of Mini Bulk Carriers Handling Facility in the Upstream of 3rd Oil Jetty with the Help of Floating Crane/ Pontoon Fitted Crane at HDC, Kolkata Port Trust (West Bengal) by M/s Kolkata Port Trust'**, under the provisions of the EIA Notification, 2006 and CRZ Notification, 2011 and amendments thereto and circulars issued thereon and subject to the compliance of the following specific and general conditions as under:-

A. SPECIFIC CONDITIONS:

- (i) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (iii) All the recommendations and conditions stipulated by the West Bengal Coastal Zone Management Authority (WBCZMA) vide letter No.285/EN/T-II-4/011/2016 dated 26th December, 2016, shall be strictly complied with.
- (iv) The project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- (v) Shoreline shall not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- (vi) The ground water shall not be tapped within the CRZ areas to meet with the water requirement in any case.
- (vii) The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
- (viii) All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.
- (ix) The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height at least 2 m above the coal stock, made of fabric/HDPE, water sprinkler arrangement, green belt of at least three layers of suitable trees and scrubs.
- (x) The coal from the ships shall be conveyed through closed conveyor to the coal stock yard. The conveyor shall be seamless without joints/transfer points.
- (xi) The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.
- (xii) Cargo shall be unloaded directly into hopper from the ship and transported to the stack yards through closed conveyor system only. Inbuilt dust suppression systems shall be provided at hoppers and all the transfer points/ storage yards. Cargo shall not be unloaded directly onto the berth. Water meters shall be provided at different locations to record the consumption of water used for dust suppression and daily log shall be maintained.



- (xiii) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- (xiv) Runoff from project site shall be passed through an oil separator followed by settling tank. Treated water from the sump shall be allowed to overflow to the existing storm water drain of HDC for ultimate disposal. All the operational areas shall be connected with the network of liquid waste collection corridor comprising of storm water, oily waste and sewage collection pipelines.
- (xv) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan.
- (xvi) Measures shall be taken to contain, control and recover the accidental spills of fuel and cargo handle.
- (xvii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.
- (xviii) Ships/barges/vessels shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be segregated and recycled/disposed as per SPCB guidelines. Ships/vessels calling at the jetty shall not dump waste/bilge water during the berthing period.
- (xix) Location of DG sets and other emission generating equipment shall be decided keeping in view the predominant wind direction so that emissions do not effect nearby residential areas. Installation and operation of DG sets shall comply with the guidelines of CPCB.
- (xx) The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- (xxi) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
- (xxii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (xxiii) The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.
- (xxiv) Corporate Social Responsibility:
 - a. The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - b. The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions.
 - c. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.



- d. To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

B. GENERAL CONDITIONS:

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) Full support shall be extended to the officers of this Ministry/ Regional Office at Bhubaneswar by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhubaneswar regarding the implementation of the stipulated conditions.
- (iv) Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (vi) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.
- (vii) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.
- (ix) A copy of this clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

5. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

6. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.



7. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

8. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

9. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.


10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

11. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

12. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

13. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.

14. The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.


(Dr. Vinod K. Singh)
Scientist D

Copy to:

1. The Secretary, Department of Environment, Government of West Bengal, Kolkata
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32
3. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar – 23
4. The Member Secretary, West Bengal Pollution Control Board, Bldg No:10-A, Block L-A, Sector III, Salt Lake City, Kolkata – 98
5. Guard File.
6. Monitoring Cell, MoEF&CC.


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