

No.10-18/2006-IA-III
Government of India
Ministry of environment & Forests,
(IA-III Division)

Paryavaran Bhavan,
CGO Complex, Lodhi Road,
New Delhi – 110 003.
Dated the 21st March, 2007

Sub: Construction of second liquid chemical/specialized grades of POL product berth off PirPau by M/s.Mumbai Port Trust – regarding.

Reference is invited to the letters No.CE.CF.555(SCB)/979, dated 5.10.2006, No.CE.CF.555(SCB)/1281 dated 7.12.2006, No.CE.CF.555(SCB)/05 dated 1.4.2006, No.CE.CF.555(SCB)/1575 dated 31.1.2007 and No.CE.CF.555(SCB)/1655, dated 13.2.2007 from M/s.Mumbai Port Trust regarding the subject mentioned above. No Objection Certificate from Maharashtra State Pollution Control Board vide Consent No.BO/RO(P&P)/CE/CC-744, dated 4.12.2006 has also been obtained.

The project pertains to construction of Second Liquid Chemicals/Specialised grades of POL product berth of PirPau by Mumbai Port Trust. The proposed berth is to be located 650 m away from the first chemicals berth in the same alignment on south of first chemical berth. The sea bed beyond the first chemical berth (present depth 6.5 to 7.5 m below low water) will be dredged to -9 in CD and maintained at -8.7 in CD. This will permit fully laden vessels upto 35,000 DWT (or partially loaded 47,000 DWT size) to sail through and navigate at high tide to the second chemical berth. The area in front of the berth will be dredged to a depth of -15.0 m CD. The dredged material comprises of clay material as well as weathered basalt. The approach channel will be widened to 450 m between jetties at Jawahar Deep. The second chemical berth will have loading and unloading arms facility for handling cargo. The existing fourteen pipelines in addition to two service lines will be extended upto second chemical berth from the first chemical berth. Provision has been made for two service pipelines (fresh water and fire fighting) on the new pipeline. The fire fighting system at the first chemicals berth will be upgraded by providing an additional pump and two fire fighting pipelines, 450 mm and 300 mm dia to meet OISD guidelines and will serve as common facilities for both the berths. The Berthing and mooring facilities for the second liquid chemicals/POL berth has been designed as per the recommendations given in IS: 4651 (Part III) and BS 6349 (Part IV) for sheltered site and different berthing conditions. The main components of civil work are as follows.

Overall length of berth	260m between outer mooring dolphins compressing
- Service platform (Double Deck)	35m X 15 m
- Two berthing dolphins	each 14m X 14m
- Four mooring dolphins	each 10m X 19m
- One control building	10 X 15 m (multistoried)
- Approach / Pipeline Trestle	11.50m o/all width (roadway (Between second and first 5.15m)
- Pipeline Trestle	5.0 m of all width.

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Berthing and mooring dolphins, each provided with 199 T capacity remote controlled mooring hooks (QRMH). Each berthing dolphin designed to resist 52 TM berthing energy equivalent to 100T berthing load from 35,000 DWT vessels.

The proposal has been examined in this Ministry under Environment Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991, clearance is hereby accorded subject to the effective implementation of the following terms and conditions:-

(A) Specific Conditions :

- (i) The project proponent should ensure that all the clarifications/assurances provided vide letter of Mumbai Port Trust dated 31.1.2007 should be strictly implemented.
- (ii) Leak detection/warning system for each of the chemicals to be handled should be provided at the jetty as well as at other strategic locations. Necessary control measures capable of remote operation to shut down the leakage, if any, should be provided.
- (iii) Appropriate safety devices such as masks should be provided for use by the workers handling the chemicals at the site and their usage by them should be ensured.
- (iv) No chemicals other than those specified in the Annexure-III of the CRZ Notification, 1991 as amended subsequently should be stored in the CRZ area.
- (v) Regular monitoring of levels of hydrocarbon in the air environment shall be monitored and records maintained. The periodic report (six monthly) to be submitted to the Regional Office of this Ministry at Bhopal should also contain information about the hydrocarbon level so monitored.

(B) General Conditions :

- i. A separate Environmental Management Cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.
- ii. The project will be monitored by this Ministry's Regional Office at Bhopal. Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during the inspection for monitoring purposes by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
- iii. In case of deviation or alteration in the project including the implementing agencies, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. The project proponents shall be responsible for implementing the suggested safeguard measures.
- iv. This Ministry reserve the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.

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- v. This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
- vi. A copy of the clearance letter shall be marked to the concerned Panchayat /local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- vii. State Pollution Control Board / Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's Office for 30 days.
- viii. The project proponent should advertise atleast in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at <http://www.envfor.nin.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.
- ix. The project proponent should inform the Bhopal 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.

Separate clearance shall be obtained by individual project proponents for handling and storage of these chemicals.

The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, the Coastal Regulation Zone Notification, 1991 as amended subsequently and the Public Liability Insurance Act, 1991 and the Rules made thereunder from time to time. The project proponents should also ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Maharashtra State and the Supreme Court's order dated 18th April, 1996 in the Writ Petition No.664 of 1993 to the extent the same are applicable to this proposal.

Sd/-
(Dr.A. Senthil Vel)
Additional Director

To

Shri U.M. Suryavanshi,
Chief Engineer,
M/s.Mumbai Port Trust,
Port House, Shoorji Vallabhdas Marg,
Ballard Estate, Mumbai-400 001.

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Copy to:

- (i) Principal Secretary, Environment Deptt., 15th Floor, New Administrative Building, Opposite Mantralaya, Madam Cama Marg, Bombay-400 032.
- (ii) The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-32.
- (iii) The Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (WZ), Kendriya Paryavaran Bhawan, Link Road No.3, Ravi Shankar Nagar, Bhopal – 462016.
- (iv) Member Secretary, Maharashtra State Coastal Zone Management Authority, Maharashtra State Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Sion-Matunga Scheme Road No.8, Opposite Cine Planet Cinema, Near Sion Circle, Sion (East), Mumbai-400 022.
- (v) EI Division, Ministry of Environment & Forests.
- (vi) Regional Office Cell, Ministry of Environment & Forests.
- (vii) Monitoring Cell.
- (viii) Guard File.

Sd/-

(Dr.A. Senthil Vel)
Additional Director