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M.C.D.G.  
03/10/07

No.10-39/2007-IA-III  
Government of India  
Ministry of Environment and Forests  
(IA-III Division)

Paryavaran Bhavan,  
CGO Complex, Lodhi Road,  
New Delhi - 110003.

Dated the 12<sup>th</sup> September, 2007

**Sub: Construction of additional tankage project at Paradeep Terminal, Orissa by M/s Indian Oil Corporation Limited - regarding.**

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Reference is invited to the letter No.PDP/ENG/Addl.Tankage, dated 30.4.2007 from M/s Indian Oil Corporation Limited (IOCL) regarding the subject mentioned above.

2. Under augmentation to tankage facilities at Paradeep Lighterage Terminal (PLT), IOCL has following proposal:-

- Utilizing existing tank 1, 2, 3 and 4 used for storage of Superior Kerosene Oil with a total storage capacity of 76260 KL.
- Utilizing existing tank 5 and 6 for storage of High Speed Diesel with storage capacity of 48465 KL.
- Proposed tank 8 to 10 for storage of Motor Spirit with storage capacity of 18321 KL.
- Proposed tanks 11 to 15 for storage of naphtha with storage capacity of 43100 KL.
- Construction of BTPL TW unloading siding for naphtha with suitable pumping arrangement and allied facilities for handling 56 BTPN receipt and tanker loading of naphtha from Paradeep Lighterage Terminal using new jetty.
- Provision of laying an additional pipeline from new jetty for hooking up enroute to the existing 16" dia pipeline from south Quay to Paradeep Lighterage Terminal.

3. The PLT is located in an area of 75 acres of leased land of Paradeep Port Trust. After augmentation PLT will consist of 14 tanks.

4. The proposal was considered by Expert Appraisal Committee at its meeting held on 21<sup>st</sup>-22<sup>nd</sup> June, 2007 and 22<sup>nd</sup> to 24<sup>th</sup> August, 2007 and has recommended.

5. The proposal has been examined and the environmental clearance to this project is hereby accorded under Coastal Regulation Zone Notification, 1991 subject to effective implementation of the following environmental safeguards and conditions:-

**(A) Specific Conditions:**

1. All conditions indicated in the risk assessment should be incorporated in the EMP.
2. The traffic density on the road and off shore due to the additional capacity should be studied and reported to the Ministry.
3. Coastal Regulation Zone clearance should be obtained from Orissa Coastal Zone Management Authority before initiating the project activities.
4. An authorization under Hazardous Waste Management & Handling (HWMH) Rules should be obtained immediately and earmarking of the storage area for hazardous waste & containers and its disposal.
5. Monitoring of Ambient Air Quality (AAQ) (8 hourly presently) should be done in accordance with CPCB guidelines.

6. Monitoring of ground water & soil quality near the storage areas should be carried out six monthly.
7. Flow meters at inlet & final out let of Oil Water Separator (2 nos.) should be installed.
8. Hydrocarbon sensors should be installed at strategic locations.
9. The MSIHC Rules should be effectively implemented and revised HAZOP Report should be submitted within 6 months from the date of receipt of this letter. The damage distance should also be reassessed.
10. 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.
11. 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.
12. No chemicals other than those specified in the Annexure-III of the CRZ Notification, 1991 as amended subsequently shall be stored in the CRZ area.
13. 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 Bhubaneshwar should also contain information about the hydrocarbon level so monitored.
14. All approvals from Central and State nodal agencies including OISD, Chief Controller of Explosives, Chief Inspectorate of Factories must be obtained. A Comprehensive Contingency Plan/Disaster Management Plan must be prepared in collaboration with the concerned authorities and a copy submitted to this Ministry before commissioning of the project.

**(B) General Conditions:**

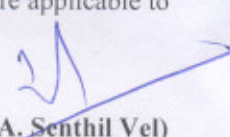
- (i) A separate Environmental Management Cell with suitably qualified staff to carry put various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.
- (ii) The project will be monitored by this Ministry's Regional Office at Bhubaneshwar. Full support should be extended to the officers of this Ministry's Regional Office at Bhubaneshwar 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.
- (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.nic.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 Bhubaneshwar.

(ix) The project proponents should inform the Bhubaneshwar 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.

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

7. The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and 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 Orissa State and the Supreme Court's order dated 18<sup>th</sup> April, 1996 in the Writ petition No.664 of 1993 to the extent the same are applicable to this proposal.

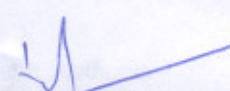
  
(Dr. A. Senthil Vel)  
Additional Director

To

Chief Terminal Manager,  
M/s Indian Oil Corporation Limited (MD),  
Paradeep Lighterage Terminal, Bhattargarh,  
Paradeep, District Jagatsinghpur -754120. Orissa

Copy to:

- (i) The Secretary, Ministry of Petroleum & Natural Gas, Shastri Bhavan, New Delhi-1.
- (ii) Director, Department of Environment & Forests, Government of Orissa, Secretariat, Bhubaneshwar.
- (iii) The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi -110032.
- (iv) The Chairman, Orissa State Pollution Control Board, Government of Orissa, Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII, Bhubaneshwar - 751012.
- (v) Principal Secretary, Forest and Environment Department, Government of Orissa, Secretariat, Bhubaneshwar.
- (vi) The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Government of India, Regional Office, (EZ), A/3, Chandra Shekar, Bhubaneshwar - 751003.
- (vii) Director (EI)
- (viii) The Regional Office Cell, MoEF.
- (vii) Guard File.
- (viii) Monitoring File

  
(Dr. A. Senthil Vel)  
Additional Director