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भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
पर्यावरण भवन सी.जी.ओ. कॉम्प्लेक्स
Dated 18.12.97
PARYAVARAN BHAWAN, C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003

The Chairman and Managing Director
IOC,
Scope Complex,
Core-II, Institutional Area,
Road, New Delhi-3

DLR/11

Subject: Installation of Diesel Hydrodesulphurisation Unit
at Crude Processing level for 4.6 MTPA at Haldia
Refinery of IOC - Env. Clearance.

2.1. In reference to your letter No. EP/M/DHDS/EC dated 10th May, 1998 regarding your application for setting up DHDS Unit at Haldia Refinery. The Ministry of Environment and Forests have carefully examined your application. It is observed that the following units are proposed under DHDS project.

- DHDS Unit 1.2 MTPA
- APU and ARU 27500 MTPA
- SSU 1700 MTPA
- Hydrogen Unit 10000 MTPA
- Sour Water Stripping Unit 12.5 m3/hr

It is also noted that the above project is envisaged to meet the revised specification of maximum 0.25 % wt. sulphur content in HSD w.e.f. April, 1999 to reduce vehicular pollution.

2.2. The Ministry of Environment and Forests accords environmental clearance for the project as per EIA Notification dt. 20th January, 94 (as amended on 4.5.94) subject to implementation of all conditions stipulated by the Ministry while according approval for the new crude Distillation Unit and Lube Oil Block under G.M. No. J-11011/34/86-1A-11 dated 10th March, 1989 in the stipulated time frame.

The following conditions should also be implemented by IOC.

- (i) The project authority must strictly adhere to the stipulations laid down by the West Bengal State Pollution Control Board and the State Govt.
- (ii) No expansion or modernisation of the plant should be carried out without approval of the Ministry of Environment and Forests.
- (iii) The total SO₂ emission from Haldia Refinery including DHDS project should not exceed norms of 850 kg/hour after installing the new Crude Distillation Unit (CDU)
- (iv) The existing ETP should be adequately augmented (if required) to accommodate the additional effluent from the DHDS project before commissioning the project so as ensure that the treated effluent meets the MINAS.
- (v) Time bound Action Plan for disposal of oily sludge/recovery of oil and design details of the solid waste disposal pit should be furnished to the Ministry within a period of 3 months. Hazardous waste should be handled as per Hazardous Waste Management & Handling Rules, 1989 and necessary approval from the SPCE must be obtained for its safe collection, treatment, storage & disposal.
- (vi) SPS having an efficiency of more than 99% should be installed.
- (vii) Location of riverine outfall point showing the alignment of pipeline and outfall point with reference to the HLL and LTL should be submitted to this Ministry. IOC should also obtain the expert opinion of NIO or any other expert body on the best possible location of the outfall point and IOC should abide by the changes if any recommended by the expert body.
- (viii) The IOC should commission a study by a competent technical expert to evaluate the effects of the existing and offluents on aquatic life *with nearby mangrove and* submit to the Ministry the results of the study within one year.
- (ix) A detailed risk analysis study board on maximum credible accident analysis (MCA) and Hazop Study should be done to the Refinery including DHDS project facilities and submitted to this Ministry. Board on this a Disaster Management plan and off site plan be prepared & submitted after approval has been obtained from nodal agency.

The project authority must strictly comply with the provisions made in MBIHC Rules 1989 as amended in October

1994 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission the project.

3. The Ministry reserves the right to revoke the clearance, if implementation of any of the conditions stipulated by the Ministry or any other competent authority is not satisfactory.

4. The above conditions may be modified or additional ones may be prescribed after examining Marive impact assessment study and the monitoring reports or any other report prepared by the project authorities from time to time.

5. The stipulated conditions will be monitored by the Regional Office of this Ministry located at Bhubaneswar the CPCB/SPCB. A six monthly compliance status report should be submitted to them regularly. The State Pollution Control Board will monitor the compliance of EMP measures in meeting the prescribed environment quality norms.

6. Any other conditions or alterations in the existing conditions based on monitoring, and feedback on project progress will be fully implemented by the project authorities within the specified time.

7. The above conditions will be enforced inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1986, the Forest Conservation Act, 1980, the Public Liability Act, 1991 along with their amendments from time to time.

(Dr. K. Warrier)
Joint Director

Copy To:-

1. The Secretary, Ministry of Petroleum & Natural Gas, Shastri Bhawan-110001.
2. The Chairman, West Bengal Pollution Control Board,
3. *The Chief* Conservator of Forests, Regional Office, Bhubaneswar
4. The Director, Regional Office, Min. of Env. & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-3
5. The Adviser PAC, Planning Commission, Yojana Bhawan, New Delhi
6. The Adviser - E.P. National Commission, Yojana Bhawan, New Delhi