



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)



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F. No. J-11011/215/2007-IA-II(I)

Dated : February 7, 2008

To,

M/s Indian Oil Corporation Ltd.
(Guwahati Refinery)
P.O. Noonmati
Guwahati - 781020
Assam

mishraac@iocl.co.in

Sub : MS Quality Improvement project at Guwahati Refinery in Guwahati District in Assam by M/s Indian Oil Corporation Ltd. - Environmental Clearance reg.

Sir,

This has reference to your letter EP/EC-APPL dated 17th October, 2007 along with EIA/EMP, risk assessment report, copy of final lay out plant and copy of pre-feasibility report seeking environmental clearance under EIA notification 2006.

2. The Ministry of Environment and Forests has examined the documents and noted that the proposal is for environmental clearance for MS quality improvement to meet the Euro III norms as per auto fuel policy. The project will be executed in the existing premises. Production capacity for the naphtha splitter, 3-cut splitter unit and isomerisation unit with naphtha hydro-treater would be 67 TMTPA, 55TMTPA and 45 TMTPA respectively. Floating roof type of storage tanks for naphtha (3X2000KL) and MS (Euro-III) (2X5000 KL) will be installed. Public hearing of the project is not required as per para 7(ii) of the EIA Notification 2006. Cost of the project is Rs.200 Crores.

3. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification, 2006 subject to strict compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

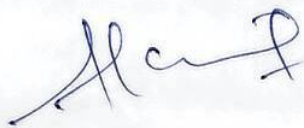
- The company shall comply with new standards/norms that are being proposed by the CPCB for petrochemical plants and refineries.

- ii. The company shall comply with all the stipulations of environmental clearance issued vide File No. – 11011/375/2006-IA.II(I) dated 22nd March, 2007. ?
- iii. The process emissions (SO₂, NO_x, HC, VOCs and Benzene) from various units shall conform to the standards prescribed by the Assam State Pollution Control Board from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- ✓ iv. The improvement project shall be installed within the existing premises and no additional land shall be acquired for the project.
- v. Quarterly monitoring of fugitive emissions shall be carried out as per the guidelines of CPCB by fugitive emission detectors (GMI Leak Surveyor) and reports shall be submitted to the Ministry's regional office at Shillong.
- vi. For control of fugitive emission all unsaturated hydro carbon will be routed to the flare system and the flare system shall be designed for smoke less burning.
- vii. The company shall strictly follow all the recommendation mentioned in the charter on corporate responsibility for environmental protection (CREP).
- viii. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- ix. Greenbelt shall be developed to mitigate the effect of fugitive emission all around the plant in a minimum 30% plant area in consultation with DFO as per CPCB guidelines.
- x. The Company shall make the suitable arrangement for disposal of catalyst waste and alumina balls. The report of disposal of this wastes shall be submitted to Ministry's Regional Office at Shillong.
- xi. The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during flaring.
- xii. To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distance between potential ignition sources and flammable material shall be in place.




B. GENERAL CONDITIONS

- i. The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government and any other statutory body.
- ii. No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.
- iii. At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system, the respective well site should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved. Provision of adequate height of stack attached to DG sets & flare is to be done.
- iv. Wastewater shall be properly collected and treated so as to conform to the standards prescribed under EP Act & Rules and mentioned in the Consents provided by the relevant SPCB.
- v. The overall noise levels in and around the premises shall be limited within the prescribed standards (75 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the expansion project, if required. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- vii. Handling of Hazardous Waste shall be as per the Hazardous Waste (Management & Handling) Rules 2003. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.
- viii. The project authorities will provide adequate funds as non-recurring and recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.



- ix. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
 - x. The stipulated conditions will be monitored by the concerned Regional Office of this Ministry /Central Pollution Control Board/State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly. It will also be displayed on the Website of the Company.
 - xi. The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the concerned Regional office of this Ministry.
 - xii. A separate environment management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.
 - xiii. The project authorities 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 the project
4. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
5. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
6. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 2003 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989/2000 along with their amendments and rules.


(H.S. Malviya)
Joint Director

Copy to :

1. The Secretary, Department of Environment, Science & Technology, Assam Secretariat, Government of Assam, Guwahati- 781 006.
2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (NEZ), Upland Road, Laitumkhrach, Shillong : 793 003, Meghalaya.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Assam State Pollution Control Board, Bamunimaidan, Guwahati- 781 021, Assam.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

(H.S. Malviya)
Joint Director