

BY SPEED POST

No. J-13011/14/2006-IA.II(T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi-110 003

Dated: 5<sup>th</sup> January, 2007

To

The General Manager (S&EP)  
Indian Oil Corporation Ltd  
Refineries Division  
SCOPE Complex, Core-2  
7- Institutional Area, Lodi Road  
New Delhi-110 003.

DO NOT  
P/S  
20/01/2007  
W/...

**Sub: 3<sup>rd</sup> Gas Turbine (GT-3) with heat recovery steam generation (HRGS) at Haldia refinery by M/s Indian Oil Corporation Ltd - Environmental Clearance req.**

Sir,

The undersigned is directed to refer to your communication No. EP/EC-APPL dated 10<sup>th</sup> October, 2006 regarding the subject mentioned above.

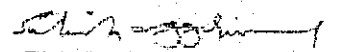
2. The proposal was received and considered under the provisions of EIA Notification, 1994. It is noted that the proposal is for setting up of a 20 MW captive power plant and 130 TPH steam generation within the existing refinery premises. The proposal is a standby unit for enhancement of reliability and to account for the down time of the operating power plant. The unit will be based on low sulphur HSD or Naphtha as fuel. As it is a standby unit there will be no net addition in terms of power generation. The water requirement will be met from the existing water supply and other existing infrastructure facilities will be used for the plant. Public hearing for the project was held on 15.05.2006 and NOC was issued by West Bengal Pollution Control Board on 28.05.2006. The project cost is 170.00 crores, including expenditure for environmental protection measures.

3. The proposal has been considered in accordance with para 12 of the EIA Notification dated 14<sup>th</sup> September, 2006 read with sub para 2.2.2 of the Circular

no. J-11013/41/2006 - I.A.11 (I) dated 13<sup>th</sup> October, 2006 and environmental clearance is hereby accorded under the provisions thereof subject to implementation of the following terms and conditions:

- (i) All the conditions stipulated by West Bengal Pollution Control Board vide their letter no. 334-2N-295/2005 dated 28<sup>th</sup> June, 2006 shall be strictly implemented.
- (ii) No additional land shall be acquired for any activity/facility of the power project.
- (iii) Water requirement will be met from existing water supply system. No additional facilities will be created as part of this project.
- (iv) Sulphur content in the Naptha to be used in the project shall not exceed 0.025%.
- (v) A single stack of 60 m with exit velocity of 20 m/sec shall be provided with continuous online monitoring equipments.
- (vi) NOx emission shall not exceed 100 ppm.
- (vii) The treated effluents conforming to the prescribed standards shall only be discharged in the river Hoogly.
- (viii) Adequate measures shall be taken to avoid fire and explosion hazard.
- (ix) A greenbelt shall be developed all along the plant.
- (x) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (xi) Leq of Noise level should be limited to 75 dBA and regular maintenance of equipment be undertaken. For people working in the high noise areas, personal protection devices should be provided.
- (xii) Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry.
- (xiii) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry/ Regional Office/CPCB/SPCB.

- (xiv) Regional Office of the Ministry of Environment & Forests located at Bhubaneswar will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.
- (xv) Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. This cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.
- (xvi) Full cooperation should be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at Bhubaneswar/the CPCB/the SPCB who would be monitoring the compliance of environmental status.
4. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.
5. The environmental clearance accorded shall be valid for a period of 5 years to the start of production operations by the power plant.
6. In case of any deviation or alteration in the proposed project from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
7. The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and rules there under.

  
**(S.K. Aggarwal)**  
**DIRECTOR**

**Copy to:**

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.

2. The Secretary, Forests & Environment Deptt., Government of West Bengal, Writer's Building, Kolkata- 700001.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, Bldg. No. 10A, Block-LA, Sector-III, Salt Lake City, Kolkata-700098 - **with request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.**
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Chief Conservator of Forests, Eastern Regional Office, Ministry of Environment & Forests, 194, Kharvela Nagar, Bhubaneswar-751001.
7. Director (EI), MOEF.
8. Guard file.
9. Monitoring file.

(S.K. Aggarwal)  
DIRECTOR