

F. No. J-11011/136/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 20th July, 2007

To,

M/s Tata Chemicals Ltd.
P.O. Durgachak, Haldia,
East Midnapore – 721 602
West Bengal

E-mail : ?? ; Fax No. : 03224-252220/252223

Sub: Replacement of Furnace Oil based Hot Air Generator (HAG) by fluidised Bed Biomass Gassifier in the DAP-1 Plant of Tata Chemicals Ltd. at Haldia, West Bengal by M/s Tata Chemicals Ltd.

Sir,

Kindly refer your letter no. nil dated 29th December, 2006 alongwith duly filled Form I regarding above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that the proposal is for the replacement of Furnace Oil based Hot Air Generator (HAG) by fluidised bed bio-mass gassifier in the DAP-1 Plant of Tata Chemicals Ltd. at Haldia, West Bengal. Total cost of the project is Rs. 1.73 Crores.

3.0 During the operating stage, hot air generated will be passed through a cyclone separator and existing scrubber for removal of dust particles. Scrubbed gases will be discharged through the stack of existing DAP plant. Hot air generated will be passed through cyclone separator and the scrubber for removal of dust particles before discharge. Emissions will be within the permissible limit. No extra water will be required for the proposed facility. Due to burning of biomass/coal, fly ash (108 TPM) will be generated which will be used as filter in DAP manufacturing process.

4.0 After considering the facts mentioned above and with due diligence, the Ministry of Environment and Forests accords environmental clearance under the provisions of EIA Notification, 2006 subject to strict compliance to the following specific and general conditions :

A. Specific Conditions :

- i. The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the W. B. State Pollution Control Board (WBPCB). All emissions including SPM, RPM, SO₂, and NO_x should be within permissible limits. At no time, particulate emissions from the unit shall exceed 100 mg/Nm³ and all the necessary air pollution control system shall be installed. Continuous on-line monitors for particulate emissions shall be installed in stacks. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.

- ii. The company shall install adequate dust collection and extraction system at appropriate places to control fugitive dust emissions. Cyclone and scrubbers shall be provided to control gaseous emissions from the stacks and gaseous emissions shall be maintained within 100 mg/NM³.
- iii. Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- iv. No additional water shall be used. Recycle and reuse of water through re-circulation shall be ensured. Effort shall be made to adopt 'Zero' discharge.
- v. Solid / hazardous waste shall be properly disposed off and no solid waste shall be disposed off outside the premises. Fly ash generated due to burning of biomass/coal shall be used as filter in DAP manufacturing process.
- vi. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) of CPCB for fertilizer plants shall be implemented.
- vii. Rainwater harvesting measures shall be adopted. The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- viii. Necessary other statutory clearances from other concerned Departments including 'No Objection Certificate' from the WBPCB shall be obtained.
- ix. Pollution load due to replacement of Furnace Oil based Hot Air Generator (HAG) by fluidised bed bio-mass gassifier in the DAP-1 Plant shall be assessed and a compliance report shall be submitted to the Ministry's Regional Office at the Bhubaneswar, Orissa, CPCB and WBPCB.
- x. The company shall undertake eco-development measures including community welfare measures in the project area.

B. General Conditions :

- i. The project authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- iv. Proper house keeping and adequate occupational health programmes shall be taken up.
- v. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.

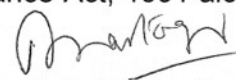
- vi. Adequate funds shall be earmarked towards environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- vii. The Regional Office of this Ministry at Bhuvaneshwar / CPCB / SPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- viii. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the W. B. Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://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 shall be forwarded to the Regional office at Bhuvaneshwar.

5.0 The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhuvaneshwar.

6.0 The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.


7.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

8.0 The above conditions shall 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, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P. B. Rastogi)
Additional Director

Copy to :-

1. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Calcutta- 700091.
3. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3 Chandrashekharapur, Bhubaneshwar – 751 023
4. The Secretary, State Department of Environment, Govt. of West Bengal, Kolkata.
5. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.


(Dr. P. B. Rastogi)
Additional Director