

No. J-11011/203/2003 – IA II (I)
Government of India
Ministry of Environment & Forests

E mail: plahujarai@yahoo.com
Paryavar Bhawan, CGO Complex,
Lodi Road, New Delhi – 110 003
Tel No. 2436 3973
Dated the March 22, 2004

To

The Sr. General Manager(Refinery)
M/s Numaligarh Refinery Limited
Refinery Complex,
Dist. Golaghat, Assam-785699

Sub: Coke-calcination unit (0.1 MTPA) by M/s Numaligarh Refinery Complex in District Golaghat in Assam.

Sir,

This has reference to your letter No. NRL/PROJ/1B/5.01 dated 9th September, 2003 along with filled-in questionnaire, environment audit report of Numaligarh refinery and subsequent information furnished by you vide your letters dated 31st December, 2003 and 12th February, 2004 on the above-mentioned project. The Ministry of Environment and Forests has examined your application. It is observed that the proposal envisages setting up of Coke Calcination Unit (CCU) with a capacity of 1,04,000 MTPA within the existing premises of Numaligarh refinery. Land area required for the Project is 10.9 ha. No land acquisition and displacement of people is involved. Water requirement of 15 m³/hr would be met through recycling of coke cutting water from Delayed Cracker Unit. NOC from the Assam Pollution Control Board has been obtained on 7th June, 2003. The public hearing panel has considered the proposal in its meeting held on 25th March, 2003. Cost of the Coke Calcination Unit is Rs. 102.29 crores.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions.

A. SPECIFIC CONDITIONS:

- i. The company shall ensure strict implementation / compliance of the terms and conditions mentioned vide Ministry's letter No. J-11011/16/90-IA.II dated 31.05.1991 and letter no. J-11011/92/2003-IA.II(I) dated 13th February, 2004.
- ii. The Company shall ensure that the total sulphur emission from the Assam refinery (including Coke Calcination Unit) shall not exceed the existing level of 128 Kg/hr as sulphur (256kg/hr as SO₂).
- iii. The company should take adequate measures for control of fugitive emissions from the coke handling system by installation of Bin vent filters and coke handling through closed conveyor system. Multiple cyclone separators should be installed for recovering coke particles from the Rotary Cooler Exhausts and bag filters to control the suspended particulate matter from the waste heat recovery boiler exhaust gas.

- iv. Water requirement of 15m³/s should be met from the recycling of coke cutting water from Delayed Cracker Unit. There should be no additional drawl of water for the CCU from the river Dhansiri.
- v. The Company should install continuous stack monitoring system for on line measurement for SPM,SO₂ and NO_x.
- vi. The solid waste generated should be disposed off in the secured landfill site within the plant premises. The ground water quality around the secured landfill site should be monitored regularly and data submitted to the Ministry/CPCB/SPCB.

B. GENERAL CONDITIONS:

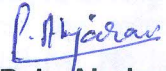
- i. The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board and the State Government.
- ii. No further expansion or modernization in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The Company shall implement all recommendations made in the EMP and risk Analysis reports.
- iv. At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.
- v. The overall noise levels in and around the plant area should 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 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 rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended in 1994 and 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained.
- vii. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and 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 both recurring and non-recurring 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 stipulated conditions will be monitored by the Regional of this Ministry at Shillong/Central Pollution Control Board/State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.

- x. 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://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 Regional office.
- xi. The Project Authorities should 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 commencing the land development work.

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

4.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.

5.0. 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, Hazardous Waste (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P. L. Ahujarai)
Addl. Director

Copy to:-

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
2. Chairman, Assam Pollution Control Board, Guwahati-781021, Assam, India.
3. Chief Conservator of Forests, Regional Office (NEZ), Upland Road, Laitumkhrah, Shillong – 793 003
4. The Commissioner, Secretary, Science and Technology and Environment Department, Assam Civil Secretariat, Dispur, Gauhati-6
5. JS(CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Director, Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.


(Dr. P. L. Ahujarai)
Addl. Director