

Speed post



Baart sarkar
Payaa-varNa evaM vana maM~alaya
Government of India
Ministry of Environment & Forests
(IA Division)

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F. No. J-11011/275/2008-IA-II(I)

July 30, 2008

To

M/s Hindustan Petroleum Corporation Ltd.
LPG Bottling Plant,
Industrial Growth Centre,
Maranga, District Purnia, Bihar

manishkumar1@hpcl.co.in, bkumar@hpcl.co.in

Sub : Revamping of LPG mounded storage & bottling plant (from 10 TMTA to 44 TMTA) at Growth Centre, Maranga, District Purnia, Bihar by M/s Hindustan Petroleum Corporation Ltd. – Environmental Clearance reg.

Sir,

Kindly refer to your application No. BK/Proj dated 16th January, 2008 along with Form-1 and project report for revamping of LPG Bottling plant seeking environmental clearance for the above mentioned project and subsequent correspondence vide letter No. PROJ/MNM dated 22nd July 2008.

2. The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for Revamping of LPG mounded storage & bottling plant (from 10 TMTA to 44 TMTA) at Growth Centre, Maranga, District Purnia, Bihar by M/s Hindustan Petroleum Corporation Ltd. The total land requirement of the project is 80000 m² which has been acquired from Bihar Industrial Area Development Board (BIADA). Out of this, 28000 m² land is earmarked for green belt development. The total cost of the project is Rs.1760 Lakhs. Capital and recurring cost earmarked for environmental protection measure are Rs. 50 Lakhs and Rs. 5 Lakhs/annum respectively. The objectives of the revamp project are following:

- a. To replace the existing old facilities with state-of the art modern LPG Storage & Bottling facilities to increase productivity;
- b. Enhance safety and Fire-Fighting Systems, Mounded Storage for storage of LPG, Gas detection system and all other systems envisaged in OISD standard 144 Norms;
- c. Construction of 3X200MT capacity Mounded Storage Vessels for storage of LPG; and
- d. Construction of filling shed and other associated cylinder handling sheds and services sheds.

3. Water requirement (2 KLD) will be met from Bore wells. The wastewater generated from Cylinder washings (1 KLD) will be treated in effluent treatment plant. Domestic sewage (1 KLD) will be disposed of through septic tank and soak pits. The total power requirement of the project will be 260 KVA which will be sourced from Bihar Electricity Power Board. Two DG

sets of 380 KVA and 100 KVA will be installed for emergency purpose. No solid or hazardous waste generation is envisaged.

4. The project activity is listed at 6 (b) in the Schedule of EIA Notification, 2006 and is of 'B' Category, however was considered at the Central Level in the absence of SEIAA and SEAC for the State of Bihar. The Expert Appraisal Committee (Industry) in its 82nd meeting held on 10th – 12th June 2008 considered and appraised at central level.

5. Based on the information submitted by the project authorities, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification, 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS

- i. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- ii. The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- iii. Regular Ambient Air Quality Monitoring shall be carried out for VOC and HC besides other parameters in ambient air around the Plant. The location and results of existing monitoring stations will be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. Additional Stations shall be set up, if required. It will be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.
- iv. The storage facility shall consist of 3 nos. of 200MT capacity mounded LPG storage vessels and there shall be no change in the Bulk Storage Capacity and other facilities.
- v. The company shall install automatic leak detection system supported hooters or alarm system.
- vi. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- vii. 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.
- viii. Noise level will be within the approved limits of 80 dB(A). The practice of acoustic plant design shall be adopted to limit noise exposure for personnel to an 8 hr time weighted average of 90 db(A).
- ix. Regularly monitoring of VOC and HC in the Work Zone Area in the Plant shall be carried and data be submitted to Ministry's Regional Office at Bhopal, CPCB and

Maharashtra Pollution Control Board. Quarterly monitoring of fugitive emissions will be carried out as per the Guidelines of CPCB.

- x. The company shall obtain permission for drawl of ground water from the Central Ground Water Authority/Central Ground Water Board.
- xi. The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the project 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.

B. GENERAL CONDITIONS

- i. The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB), the State Government and any other statutory body.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The overall noise levels in and around the plant area shall be limited within the prescribed standards 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).
- iv. 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.
- v. 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.
- vi. 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.
- vii. The date of Financial Closure and final approval of the project by the concerned authorities and the date of commencing the land development work as well as the commissioning of the project will be informed to the Ministry and its Regional Office.
- viii. Proper House keeping and adequate occupational health programme shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be

carried out and the records shall be maintained properly for at least 10 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.

- ix. 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.
6. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
7. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
9. 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, 1989/2003 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. Secretary (Environment), Government of Bihar Patna
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110 032
3. The Chairman, Bihar Pollution Control Board, Patna
4. Chief Conservator of Forests (Central), Regional Office, Western Regional Office, A/3, Chandrasekharpur, Bhubaneswar -751 023
5. Director, Monitoring Cell, MoEF
6. Guard file
7. Monitoring file
8. Record file

(H.S. Malviya)
Joint Director