

F. No. J-11011/324/2011-IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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

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Telefax : 011: 2436 3973
Dated 9th August, 2012

To,

Shri A. C. Sarma, DGM (LPG)
M/s Indian Oil Corporation Ltd (IOCL)
6th Floor, East Point Tower, Bamunimaidan
Guwahati-781 021, Assam

E-mail: sarmaachandra@indianoil.in ; Fax No.: 0361-2550764.

Subject: Augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s Indian Oil Corporation Limited (IOCL) – Environmental Clearance reg.

Ref. : Your letter no. NEISO/LPG/01/G/12-SEKMAI dated 27th February, 2012.

Sir,

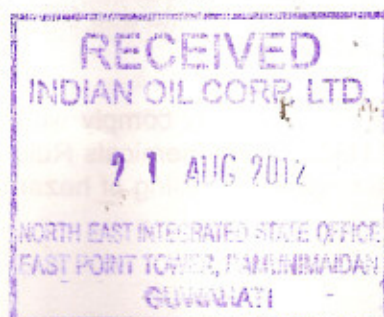
This has reference to your letter dated 27th February, 2012 alongwith Form-1, Prefeasibility Report and EIA/EMP report on the above mentioned subject.

2.0 The Ministry of Environment & Forests has examined your application. It is noted that proposal is for augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s Indian Oil Corporation Limited (IOCL). Total plot area is 62.30 acres. Total cost of the project is Rs. 34.70 Crores. No wildlife sanctuary /national park is located within 10 Km. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF are located within 10 Km. Details of LPG storage capacity are as given below:

S.N.	Existing Storage	Additional Storage
1	4 x 150 MT (above ground bullets)	2 x 600 MT (Mounded Bullet)

3.0 Adequate stack height will be provided to DG set. Exhaust blower and vapour extraction system comprising hoods and ducts provided in the filling shed. Water requirement will be increased from 10 m³/day to 10.5 m³/day. No industrial effluent will be generated. Domestic effluent generation will be 6.5 m³/day and disposed off through septic tanks followed by soak pit. No effluent will be discharged outside the premises and 'Zero' discharge concept will be adopted. Spent oil will be sold to authorized recyclers / re-processors.

4.0 The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 26th, 32nd and 33rd meetings held during 17th-18th August, 2011, 16th-17th February, 2012 and 21st-22nd March, 2012 respectively.



5.0 All the Isolated Storage & Handling of Hazardous Chemicals are listed at S.N. 6(b) under Category 'B' and appraised at the Central level due to non-existent of the SEIAA/SEAC in Manipur.

6.0 Public hearing was exempted as per 7 (ii) of EIA Notification, 2006.

7.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i. Environmental clearance is only for enhanced storage capacity.
- ii. Adequate buffer zone around the tankage facilities, as may be required as per OISD or other statutory requirements.
- iii. Permission/recommendation shall be obtained from the State Forest Department regarding the impact of the proposed expansion on the surrounding reserve forests viz. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF.
- iv. Regular ambient air quality monitoring of PM₁₀, SO₂, NO_x, CO, VOCs and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations shall 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. If required, additional stations shall be set up. It shall be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.
- v. Regularly monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to Ministry's Regional Office at Shillong, CPCB and Manipur Pollution Control Board. Quarterly monitoring for fugitive emissions shall be carried out as per the guidelines of CPCB and reports submitted to Ministry's Regional Office at Shillong.
- vi. Total fresh water requirement from private water supply shall not exceed 10.5 m³/day and prior permission shall be obtained from the concerned Authority.
- vii. The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.
- viii. 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.
- ix. The project authorities should 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. All the hazardous

waste should be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.

- x. The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- xi. No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.
- xii. Tankers should be as per IS 803 and OISD 117 & 118 for safety aspect.
- xiii. Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.
- xiv. Additional safety measures shall be taken by using remote operated shut off valve, double block & bleed valve (DBB), impervious dyke wall and un-bonded flexible roof drain pipe.
- xv. Unit shall carry out safety audit and report submitted to the Ministry and its Regional Office at Shillong within six months.
- xvi. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xvii. Green belt shall be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around factory premises shall be ensured.
- xviii. 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.
- xix. All the recommendations mentioned in the EMP/DMP shall be implemented.
- xx. Dedicated parking facility for loading and unloading of material shall be provided in the LPG bottling plant. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xxi. Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II(I) dated 26th April, 2011 and implemented.
- xxii. Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Manipur Pollution Control Board (MPCB), State Government and any other statutory authority.
- ii. No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference

shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- iii. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards 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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- vi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- vii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the MPCB.
- viii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the MPCB. The Regional Office of this Ministry / CPCB / MPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- ix. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
- x. 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 MPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall 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.

- xi. 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 commencing the land development work.

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

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

10.0 The above conditions shall 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, Handling and Trans-boundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(P L Ahujarai)
Director

Copy to:

1. The Addl. Chief Secretary, Department of Environment, Govt. of Manipur, Manipur.
2. The Chief Conservator of Forests, Regional Office (NEZ), Upland Road, Laitumhran Shillong-793003.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Manipur Pollution Control Board, Near Imphal West, DC Office Complex, Lamphelpat Imphal - 795004.
5. Joint Secretary, IA II(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/Monitoring File/Record File.


(P L Ahujarai)
Director