



GOVT. OF ASSAM

OFFICE OF THE STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ASSAM
BAMUNIMAIDAM, GUWAHATI-21.



No. SEIAA.42/2013/EC/36

Dated: Guwahati the 30th June, 2015

To,

The Dy. General Manager (OP)
M/s Indian Oil Corporation Ltd. (IOCL)
NEISO, Indian Oil Bhawan
Sector-III, Noonmati
Guwahati- 20 (Assam)

Sub: - Project proposal for setting up of New Grassroot BG Railed POL Storage Depot at Moinarband near Silchar, District-Cachar (Assam) by M/s Indian Oil Corporation Ltd. (IOCL) – regarding Environmental clearance.

Ref: - Your application No. NEISO/OPS ID- Moinarband/ 13-14/A, dated-19/08/2013.

Sir

This has reference to your letter cited above along with Form-1, pre-feasibility Report, Plant layout and subsequent submission of EIA/EMP report on the above mentioned project alongwith the public hearing report and also submission of reply of the quarries to the SEIAA, Assam vide No.NEISO/OPS/MOINARBAND-EC/NCB/15-16/14, dated-19/05/2015 on the above mentioned project.

The SEIAA & SEAC, Assam has examined your application and other relevant documents in accordance with EIA Notification 2006 and its amendment thereof.

It is noted that proposal is for setting up of New Grassroot BG Railed POL Storage Depot at Moinarband near Silchar, District-Cachar (Assam) by M/s Indian Oil Corporation Ltd. (IOCL), NEISO, Noonmati, Guwahati. The total land area under possession of IOCL is 45.75 Acres for setting up the proposed POL Depot. The entire area has been declared as prohibited area for storage of hazardous chemicals by State Govt. Geographically, the depot is located at 24°52'22.21" N Latitude and 92°53'07.10" E Longitude. It is reported that there are no sensitive area such as National parks and wildlife Sanctuaries located within 10 km distance.

The Detail product wise tank-age (above ground) proposed at POL Storage Depot is as follows:

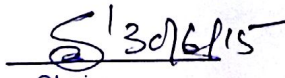
Product	Capacity(KL)	No. of tank	Total capacity(KL)	Type
1. MS	3600	2	7200	IFRT
2. SKO	1600	2	3200	CRVT
3. HSD	8000	2	16000	CRVT
4. ATF	1800	2	3600	CRVT
Total		8	30000	

Total storage capacity of Petroleum products shall be 30,000 KL in 8 nos. of above ground tanks. The petroleum product shall be received through BTPN Rail wagons. From the storage tanks MS, HSD, SKO & ATF shall be pumped to 8 nos. of TLF Bays which provide with flow governor and flow meter and then to the loading arm for filling the tank trucks by PD meter. Sufficient space shall be provided for parking of trucks. Tank trucks shall be properly earthed before starting the filling operation in TLF bays. The entire operation of receipt, storage, filling of products in tank lorries is carried out under leak proof system. Air emission from D.G. Set will be dispersed by providing adequate stack height. Vapor recovery system will be installed in Tank Truck loading system of MS.

The total fresh water requirement from ground water source will be 5.0 m³ /day and waste water generation will be 2.5 m³ /day. No waste water shall be discharged outside premises of proposed Depot. Sanitary waste water shall be treated in septic tank and disposed off in soak pits. The non-sanitary waste water shall be passed through oil water separator for arresting the oil content. The oil free waste water shall be used in gardening/ afforestation. The bottom tank sludge will be treated as per H.W. Rules 2008. The total cost of proposed project has been estimated 202 Crores.

The proposal has been discussed in SEAC meeting on 29/10/2013 and recommended for issuance of TORs for preparation of EIA/ EMP report. Subsequently, the project proposal has been examined and discussed in SEIAA/ SEAC meeting held on 16/05/2015 on final EIA/ EMP report and resolution adopted in public hearing. The EIA report has been found to be adequate and in full consonance with the presented TORs. The committee recommended the proposal as the project listed at S.N. 6(b) under category B of EIA notification for issuance of Environment Clearance.

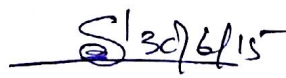

The public hearing was held on 07/01/2015 at project site Moinarband, Vill- Bahadurpur, P.O. Larsingpar, Dist- Cachar, Assam.


Chairman
SEIAA, Assam

Accordingly, SEIAA, Assam hereby accords environment Clearance to the above project under the provision of EIA notification 2006 subject to strict compliance of the following specific and general conditions.

A. SPECIFIC CONDITIONS:

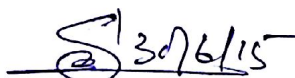
1. Environment clearance is only for storage of petroleum products with a capacity of 30,000 KL.
2. Adequate buffer zone around the POL depot shall be provided as may be required as per OISD or other statutory requirements.
3. Regular ambient air quality monitoring of PM₁₀, PM_{2.5}, SO₂, NO_x, CO, VOC_s and HC (Methane and Non-methane) shall be monitored and display the analytical result at a convenient location near the main gate of the company. The location of monitoring stations shall be selected in consultation with the SEIAA, Assam and Pollution Control Board, Assam based on the occurrence of maximum ground level concentration and downward 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.
4. Regularly monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to SEIAA Assam, Regional Office (MOEF) at Shillong and Assam Pollution Control Board. Quarterly monitoring for fugitive emissions shall be carried out as per the guidelines of CPCB and reports submitted to SEIAA, Assam & Regional Office, MOEF, Shillong.
5. Vapor recovery system shall be installed to prevent leakage of vapor from tank/ vessels/ processing and filling areas to ensure no hydrocarbon vapors are released unchecked.
6. Total fresh water requirements from ground water source shall not exceed 5.0 m³/ day.
7. The company shall construct the garland drain all round 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 and ensured that monitoring parameters shall not exceed the prescribed standards.
8. Effluent from washing of storage tanks in POL Depot shall be properly treated in oil water separator and treated wastewater shall conform to CPCB standards. No effluent shall be discharged outside the premises and 'Zero' effluent discharge concept shall be followed.
9. Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc shall be followed. Company should ensure no oil spillage occur during loading/unloading of petroleum products. Computerized system of filling of petroleum products shall be undertaken.
10. 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 (Management, Handling and Trans-boundary Movement) Rules 2008 and its subsequent amendments.
11. 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.
12. The company shall obtain all requisite clearances for fire safety and explosive and shall comply with the stipulation made by the respective authorities.
13. All storage tanks shall be provided with design features based on applicable OISD standards.
14. Consent to establish/ operate shall be obtained from PCB, Assam and copy of the same shall be submitted to the SEIAA, Assam.
15. All installation shall be resistant to the earthquake of above 7.5 Richter scale.
16. Lightning protection device shall be provided as per OISD-244 guidelines.
17. Hydro Carbon detection system shall be provided in the area where HC vapour may develop.
18. Maintenance of pumps shall be done as per OISD-119.
19. LDAR program shall be provided in tank farm.
20. High temperature and high pressure alarm with auto activation of water sprinklers as well as safety relief valve shall be provided.
21. No change in the storage capacity and other facilities should be made without getting proper approval from the SEIAA, Assam.
22. Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.
23. Emergency Response plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in month.


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24. Bottom oil sludge shall be handled, stored and disposed as per CPCB/ MoEF guidelines framed under H.W. Rules 2008.
25. Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
26. 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 POL depot should be ensured with local species.
27. The company shall harvest surface as well as rainwater from the rooftop 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.
28. All the recommendations mentioned in the EMP/DMP shall be implemented.
29. Dedicated parking facility for loading and unloading of material shall be provided in the POL Depot. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
30. All the commitment made regarding issues raised during the public hearing/ consultation meeting held on 07/01/2015 shall be satisfactorily implemented. Adequate budgetary provision to be kept for implementation.
31. 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.
32. 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.
33. Prevention and protection measures against accidental explosions may be ensured.
34. The growth of vegetation in the tank farm shall be removed on regular basis whenever found.
35. Personal protection equipment shall be provided to workers & its usage shall be ensured and supervised.
36. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
37. The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms.
38. The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented.
39. The project proponent shall implement the application of solar energy for illumination of areas, internal roads and passages in addition to utilization of solar water heating systems to the extent possible.

B. GENERAL CONDITIONS:

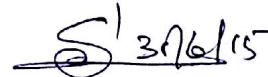
1. The project authorities must strictly adhere to the stipulations made by the Pollution Control Board Assam & State Government and any other statutory authority.
2. No further expansion or modification in the project shall be carried out without prior approval of the SEIAA, Assam. In case of deviations or alterations in the project proposal from those submitted to this SEIAA, Assam for clearance, a fresh reference shall be made to the SEIAA, Assam to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.
3. 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 Environment Protection Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
4. Training shall be imparted to all the employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the SEIAA, Assam. All the recommendations made in the EIA/ EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
6. The company shall undertake all relevant measures for improving the socio- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.



Chairman
SEIAA, Assam

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7. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
8. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
9. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the SEIAA, Assam as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
10. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal.
11. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA, Assam and the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environment Clearance and six monthly compliance status report shall be posted on the website of the company.
12. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the SEIAA, Assam & PCB, Assam as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company.
13. The project proponent shall inform the public that the project has been accorded environment clearance by the SEIAA and 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 concerned SEIAA, Assam.
14. The project authorities shall inform the SEIAA as well as the Regional Office, MoEF the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
15. The SEIAA may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.
16. The SEIAA, Assam reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner will implement these conditions.
17. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment Protection Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.



(Prof. S. K. Borthakur)

Chairman, SEIAA, Assam


Bamunimaidam, Guwahati-21

Dated: Guwahati the 30th June, 2015

Memo No. SEIAA.42/2013/EC/36-A

Copy to:

1. The Secretary to Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 cum Member Secretary, SEIAA, Assam for favour of kind information.
2. The Deputy Commissioner, Cachar, Silchar for favour of kind information.
3. The Principal Chief Conservator of Forest, Assam, HoFF, Assam, Rehabari, Guwahati-8, for favour of kind information.
4. The Member Secretary, PCB, Assam for favour of kind information.
5. Regional Office, MoEF, Govt. of India, Low-u-sib, Lumbatngen, Near MTC Workshop, Shillong-793021 for favour of information.
6. Office file.


(Prof. S. K. Borthakur)

Chairman, SEIAA, Assam

Bamunimaidam, Guwahati-21