

(Ann-I)

**Six Monthly Compliance Report on Terms & Conditions of Environmental Clearance for New Grassroot BG Rail-Fed POL Storage Depot at Moinarbond near Silchar, Dist: Cachar, Assam by M/s Indian Oil Corporation Ltd., [IOCL].**

[Letter No: SEIAA.42/2013/EC/36 dtd 30-Jun-2015]

(As on 01.12.16)

S.No.	Condition Stipulated	Status
<b>A. SPECIFIC CONDITIONS:</b>		
1	Environment Clearance only for storage of petroleum products with a capacity of 30,000 KL	Noted.
2	Adequate buffer zone around the POL Depot shall be provided, as may be required as per OISD or other statutory requirement	Adequate buffer zone i.e., 33% of plot area is considered in plant layout and shall be adhered to.
3	Regular ambient air quality monitoring of PM10, PM2.5, SO <sub>2</sub> , NO <sub>x</sub> , CO, VOCs and HC (Methane and Non-methane) shall be monitored and displayed the analytical result at a convenient location near the main gate of the company. The location monitoring stations shall be reviewed in consultation with SEIAA, Assam and Pollution Control Board, Assam 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.	The POL Depot is under construction. AAQM measures will be complied upon completion & commissioning.
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, CPCB and Assam State 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.	AAQM measures will be complied upon completion & commissioning.
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.	Provision of Vapour recovery system is proposed.
6	Total fresh water requirement from ground water source shall not exceed 5 m <sup>3</sup> /day.	Will be complied.

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7	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 and ensured that monitoring parameters shall not exceed the prescribed standards	Will be complied.
8	Effluent from washing of storage tanks in POL Depot shall be properly treated in oil water separator and treated waste water shall conform to CPCB standards. No effluent shall be discharged outside the premises and 'Zero' effluent discharge concept shall be followed.	Will be complied.
9	Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control, etc., should 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.	The layout complies with latest relevant OISD-244; 1 <sup>st</sup> edition, 2015 guidelines & firefighting / safety provisions in the POL Depot will conform to OISD-117.
10	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. All the hazardous waste (Management, Handling and Trans-boundary Movement) Rules 2008.	Will be complied.
11	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and	Will be complied.

(Ann-I)

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	Off-site Disaster Management Plans will be prepared and implemented.	
12	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	Will be complied.
13	All Storage tanks shall be provided with design features based on applicable OISD standards.	Will be complied.
14	Consent to establish/operate shall be obtained from PCB, Assam and copy of the same shall be submitted to SEIAA, Assam	Applied to PCB, Assam and approval is awaited.
15	All installation shall be resistant to the earthquake of above 7.5 Richter Scale	Will be complied.
16	Lightening protection device shall be provided as per OISD-244 guidelines	Will be complied.
17	Hydrocarbon detection system shall be provided in the area where HC vapour may develop.	Will be complied.
18	Maintenance of pumps shall be done as per OISD-119	Will be complied.
19	LDAR program shall be provided in tank farm.	Will be provided.
20	High temperature and high pressure alarm with auto activation of water sprinklers as well as safety relief valve shall be provided.	Will be provided.
21	No change in storage capacity and other facilities should be made without getting proper approval from SEIAA, Assam	Noted and shall be ensured.
22	Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Will be provided.
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.	Will be ensured.
24	Bottom oil sludge shall be handled, stored and disposed as per CPCB/MoEF guidelines framed under HW Rules 2008.	Will be ensured.
25	Occupational health surveillance of worker	Will be ensured.

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	shall be done on 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.	Green area @ 33% of Depot area will be maintained in consultation with DFO.  Plantation will be done of various local species with recommendation of DFO.
27	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	Will be complied.
28	All the recommendations mentioned in the EMP/DMP shall be implemented.	Will be complied.
29	Dedicated parking facility for loading and unloading of material should 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.	Will be complied.
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.	Will be complied.
31	Company shall adopt Corporate Environment Policy as per the Ministry's O.M No. J-11013/41/2006-IA.II(1) dated 26 <sup>th</sup> April, 2011 and implemented.	Will be implemented
32	Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply	Will be implemented

(Ann-I)

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	etc. in and around the project.	
33	Prevention and protection measures against accidental explosions may be ensured.	Will be implemented.
34	The growth of vegetation in the tank farm shall be removed on regular basis whenever found.	Will be ensured.
35	Personal protection equipment shall be provided to workers & its usage shall be ensured and supervised.	Will be ensured.
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.	Will be ensured.
37	The project proponent shall install energy efficient devices and appliances conforming to the Bureau of Energy Efficiency norms	Will be complied.
38	The energy audit shall be conducted at regular intervals and the recommendations of the audit report shall be implemented.	Will be complied.
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.	Will be complied.
<b>B. GENERAL CONDITIONS:</b>		
1	The project authorities shall strictly adhere to the stipulations made by the Pollution Control Board Assam & State Government and any other statutory authority.	Will be implemented.
2	No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA, Assam for clearance, a fresh reference shall be made to SEIAA, Assam to assess the adequacy of conditions imposed and to add additional environmental protection	Will be complied.

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	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).	Will be complied.
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.	Will be implemented.
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.	Will be complied.
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.	Will be ensured.
7	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Will be complied.
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.	Will be complied.
9	The company shall earmark sufficient funds	Will be complied.

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	towards capital cost and recurring cost per annum to implement the conditions 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 clearance letter shall be sent by the project 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.	Will be complied.
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 reports shall be posted on the website of the company.	The project is under construction. Six monthly compliance report as on 01.12.16 is hereby submitted.
12	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V 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.	Form-V requirement will be complied subsequent to commissioning of project.
13	The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, Assam and this shall be advertised within seven days from the date of issue of the	Complied with. Copy of newspaper cutting enclosed.

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	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	Project authorities shall inform the SEIAA, Assam as well as 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.	The Board of Directors of IOCL accorded investment approval on 15-Jun-2016 for the project.  Project started on 19-Sep-2016. Project Construction work is in progress.  The date of financial closure shall be informed.
15	The SEIAA may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted.
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.	Noted.
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 Environmental 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.	Noted.