

**Compliance Report on Terms & Conditions of Environmental Clearance for POL Depot at Imphal, Malom Manipur.**

**[Letter No: F.No. J-11011/46/2011-IA II (I) dtd 13-Jul-2012]**

S.No.	Condition Stipulated	Status
<b>A. SPECIFIC CONDITIONS:</b>		
i)	Adequate buffer zone around the Bulk Petroleum Oil & Lubricant (POL) Depot shall be provided, as may be required as per OISD or other statutory requirement	Malom Depot has been constructed as per approved layout of CCOE, Nagpur. The layout also conforms to latest relevant OISD guidelines.  Adequate buffer zone i.e., 33% of plot area is provided.
ii)	Regular ambient air quality monitoring of PM10, S02 , NO,, 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.	The Monitoring for ambient air quality of PM10, S02, NOX, CO, VOCs and HC (Methane and Non-methane) has been carried out by M/s GREEN TECH Environmental Engineer & Consultants, Guwahati which is a NABL Accredited Chemical Testing Laboratory . The last report is attached as Annexure 1.  The data is displayed as advised at the main entry gate as advised.
iii)	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 State 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.	The Monitoring for VOC and HC in the work zone area within the plant premises has been carried out by M/s GREEN TECH Environmental Engineer & Consultants,Guwahati which is a NABL Accredited Chemical Testing Laboratory. The last report is attached as Annexure 1.
iv)	Vapor recovery system shall be provided in Tank Truck Loading (TTL) to recover hydrocarbon.	Vapour Recovery System is installed and will be commissioned shortly.
v)	Total fresh water requirement from ground water source shall not exceed 5 m <sup>3</sup> /day and prior permission shall be obtained from the CGWA/SGWA.	Static pond water are commonly used and dirking water received through tankers and NOC has been obtained vide ref no: CE/PHE/TECH/2-275/2015/2976 dtd 27-Feb-15.
vi)	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	Garland drain constructed.  Oily Water Separation System and separate drainage system provided.  The Monitoring for Water quality monitoring of guard pond has been carried

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	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	out by M/s GREEN TECH Environmental Engineer & Consultants, Guwahati which is a NABL Accredited Chemical Testing Laboratory. The report is attached as Annexure 2.
vii)	As proposed, effluent containing oil from POL Depot shall be properly treated in ETP)/oil water separator and treated wastewater shall conform to CPCB standards. Sewage shall be disposed off through septic tank followed by soak pit. No effluent shall be discharged outside the premises. No washing of truck shall be carried out.	Complied with.
viii)	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.	The layout complies with latest relevant OISD-244; 1 <sup>st</sup> edition, 2015 guidelines & firefighting / safety provisions in the POL Depot confirms to OISD-117.
ix)	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 shall be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Complied with.
x)	Risk Assessment Report shall be revised to based on the Realistic Scenarios and possible Hazard noted and to be taken care of by Preventive and Mitigative Barriers. The report shall be submitted to the Ministry's regional office at Shillong within 3 months.	Complied with.
xi)	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. Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt of India. Mock drill shall be conducted in a month.	Layout approval has been obtained from CCOE, Nagpur. DMP has been submitted with application for EC.  ERP will comply with relevant guidelines. The Mock Drill is being carried out on a regular basis every month, the last being on 10th May 2018.

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xii)	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	The NOC for fire safety is valid till 18.01.2019 (Annexure 3) and Explosives till is valid till 31.12.2025 (Annexure 4).
xiii)	MS shall be stored in floating roof tank with liquid mounted seal, foam and water spray system. HSD tanks shall be provided with foam and spray system. Fire fighting system shall be as per the OISD.	IFR Tanks constructed for MS. Provisions in storage tanks done as per OISD relevant guidelines.
xiv)	No change in the storage capacity and other facilities shall be made without getting proper approval from the Ministry.	Storage capacity as per EC is maintained as approved as per following tackage details: MS : 5124KL (3Nos.) HSD: 11796KL (3Nos.) SKO: 5055KL (3Nos.)
xv)	Tankers shall be as per IS 803 and OISD 117 & 118 for safety aspect.	Complied with.
xvi)	As proposed, fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Fully automated TFMS is provided and accounting of product reconciliation are done through TFMS only.
xvii)	Bottom oil sludge shall be handled, stored and disposed as per CPCB/MoEF guidelines. An action plan in this regard including bioremediation shall be submitted to the Ministry and its Regional Office at Shillong within 3 months of issue of the letter.	Till date oil sludge has not been handled, stored and disposed.  The Bio-remediation process is under process and will be installed by Sept 2018. The delay is attributed to the Tendering Process.
xviii)	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.	ERP will comply with relevant guidelines. Mock drill is conducted in monthly basis
xix)	Company shall ensure that no spillage shall be occur during storage, handling and transportation of petroleum products.	Will be ensured.
xx)	The company shall install automatic leak detection system supported with hooters or alarm system.	HC detectors are installed with audio visual alarming system

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xxi)	Additional safety measures shall taken by using remote operated shut off valve, double block & bleed valve (DBB), impervious dyke wall and un-bounded flexible roof drain pipe.	ROSOV and DBBV provided.
xxii	Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.	Eye and Health checkup are carried out in regular basis.
xxiii)	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 should be ensured.	The Green Belt is developed with local tree species as advised.
xxiv)	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.	Complied with.
xxv)	All the recommendations mentioned in the EMP/DMP shall be implemented.	Complied with.
xxvi)	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.	Already planned and dedicated parking area for TT completed and put into use.
xxvii)	All issues raised during the public hearing/consultation meeting on 10 <sup>th</sup> Oct 2011 shall be satisfactorily implemented.	The Public Hearing was conducted on 10.10.2011 (Annexure 5) but there were no Proceedings of the Public Hearing.
xxviii)	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 and adequate budget to be earmarked for implementation as admissible.	The Corporate Environment Policy has been implemented at the location.
xxix)	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.	The location has started operating from 09.01.2017. It is funding the Water Supply Scheme at Malom Tuliyaama Village (Cost Rs. 10,58,946/-) and Malom Tulihaal Village (Cost Rs. 9,21,333/-) being carried out by PWD Department, Govt. of Manipur (Annexure 6).

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		<p>Also Work Order (Cost Rs. 16, 86,749/-) has been issued for Solar Light Street Lamp for both the villages (Annexure 7).</p> <p>Any CSR activity planned in the next 5 years including budgetary provision will be intimated to your good office as early as possible.</p>
xxx)	<p>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, mobile STP, 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.</p>	<p>Construction Work of Project has been completed.</p>
<b>B. GENERAL CONDITIONS:</b>		
i)	<p>The project authorities shall strictly adhere to the stipulations made by the Manipur State Pollution Control Board (MPCB), State Government and any other statutory authority.</p>	<p>Complied with.</p>
ii)	<p>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and 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.</p>	<p>Complied with.</p>
iii)	<p>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.</p>	<p>Factory Permit obtained from Chief Inspector of Factories &amp; Boilers, Manipur. Copy already submitted.</p> <p>PESO approval obtained from Chief Controller of Explosives, Nagpur. Copy already submitted.</p> <p>Fire License obtained.</p>

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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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The Monitoring for ambient noise level has been carried out by M/s GREEN TECH Environmental Engineer & Consultants which is a NABL Accredited Chemical Testing Laboratory. The last report is attached as Annexure 8.
v)	A separate environment management cell equipped with full fledged laboratory facilities must be set up to carry out the environment management and monitoring functions.	The process has been initiated and Work is in progress.
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.	Complied with.
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 MPCB.	The Compliance status of EC condition will be uploaded on company website with monitoring data as advised within June 2018.
viii)	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 respective Regional Office of MoEF, the respective Zonal Office of CPCB and MPCB. The regional office of this ministry/CPCB/MPCB shall monitor the stipulated conditions. Environment Clearance and six monthly compliance status report shall be posted on the website of the company.	The Submission of six monthly compliance reports will be made regular, henceforth.
ix)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V is mandated shall be submitted to the concerned State	The environmental statements for the financial year ending 31 <sup>st</sup> March 2018 in Form V (Annexure 9) are attached herewith.

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	Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance or environmental clearance conditions and shall also be sent to the respective Regional Offices of 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 SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 Regional Office of the Ministry.	Complied with.
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 of land development work.	<p>The Board of Directors of IOCL accorded investment approval on 30.08.2010 for the project.</p> <p>Land development work commenced in July'12.</p> <p>The date of financial closure is 31st March every year.</p>