

Compliance of Environmental Clearance conditions for the period April 1, 2018 to September 30, 2018

Project: Construction of Storage tanks and associated facilities at Mumbai Refinery-II, Village Anik, Tehsil and District Chembur, Maharashtra by M/s HPCL.

Reference : F. No. J-11011/121/2013-IA-II(I) dated April 05, 2016 by Ministry of Environment, Forests and Climate Change

A. Specific Conditions

S. No.	Particulars	Compliance Status
i.	Adequate buffer zone around the oil tankages, as may be required as per OISD or other statutory requirements.	All inter distances are being complied as per OISD 118
ii.	Regular online monitoring of VOC and HC in the work zone area in the plant premises should be carried and data be submitted to Ministry's regional office at Bhopal, CPCB and State Pollution Control Board.	Adequate Nos. of Ambient air analyzer are being installed at site to monitor (VOC & HC), Data will be available post commissioning
iii.	Total fresh water requirement from ground water source should not exceed 5 m ³ /hr. and prior permission should be obtained from the concerned authority.	Will be complied
iv.	The company shall construct the garland drain all around the project site to prevent run off of any oil containing waste into 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.	Oily waste is routed separately through OWS sump to ETP for treatment. During rain, clean storm water drain from other non-oil contaminated areas is connected to OWS before connecting to the nearby storm water drain.
v.	The oil draw off shall be treated in the existing ETP of the refinery. The treated effluent will be used for gardening/horticulture purpose. Oily sludge will be disposed off	Generated effluent will be routed back to refinery for further processing at ETP

	through approved TSDF facilities. No effluent shall be discharged outside the premises.	
vi.	Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease.	Being complied
vii.	OISD 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.	Design guideline is being implemented and operational safeguard will be implemented.
viii.	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemical Rules 1989, amended in 2000 and the Public Liability Insurance Act for handling the hazardous chemicals, etc. All the hazardous waste shall be properly treated and disposed off on accordance with the Hazardous Waste (Management, Handling and Trans-boundary movement) Rules 2008 and its subsequent amendments.	Will be complied
ix.	Necessary approvals of Chief Controller of Explosives must be obtained before commissioning of project. Requisite on-site and off-site Disaster Management Plan will be prepared and implemented.	Will be complied
x.	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
xi.	All the storage tanks shall be provided with design features based on applicable OISD standards.	Being complied.
xii.	Fully automated Tank Farm Management System (TFMS) will be provided for accounting of products and reconciliation.	TFMS is being implemented
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.	Will be complied
xiv.	Bottom Oil sludge shall be handled, stored and disposed off as per CPCB/MoEF guidelines.	Is being Complied in the existing refinery and same will be extended for the new project.

xv.	Occupational Health Surveillance of workers shall be done on regular basis and records maintained as per Factory Act.	Is being Complied in the existing refinery and same will be extended for the new project.
xvi.	At least 10 m wide thick green belt shall be developed on all sides along the periphery of the project area, in downward direction and along the road sides, etc. Selection of plant species shall be as per CPCB guidelines in consultation with the DFO.	Will be Complied
xvii.	The Company shall harvest surface as well as rain water from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground waters and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting is being implemented in Administrative Building
xviii.	All the recommendations mentioned in the EMP/DMP shall be implemented.	Will be Implemented
xix.	All the commitments made regarding issues raised during public hearing consultation meeting shall be satisfactorily implemented. Adequate budgetary provision shall be kept for implementation.	Being Complied
xx.	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.	Being Complied
xxi.	Provision shall be made for the housing of construction labor 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.	Being Complied
<i>B. General Conditions</i>		
i.	No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.	Noted
ii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed	Locations have been finalized in consultation with the EIA consultant and SPCB and

	in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	provided information of the same
iii.	The overall noise levels in and around the premises shall be limited within the prescribed standards (75 dBA) 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).	Being complied
iv.	The company shall harvest rain water from the rooftops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Rain water harvesting is being implemented in Administrative Building
v.	Training shall be imparted to all employees of safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations of all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Will be Complied
vi.	Usage of Personal Protection Equipment (PPEs) by all employees/workers shall be ensured.	Being Complied
vii.	The company shall also comply with Environmental Protection Measures and safeguard proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing related to the project shall be implemented.	Being Complied
viii.	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.	Being Complied
ix.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being Complied

x.	A separate environment management cell with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Is being Complied in the existing refinery and same will be extended for the new project.
xi.	As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost per annum 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 earmarked shall not be diverted for any other purpose.	Being Complied
xii.	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.	Complied With.
xiii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and MPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Being Complied
xiv.	The environmental statement for each financial year ending 31 st 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 along with the status of compliance of EC conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.	Environment Statement in Form -V is being submitted online as per MPCB requirement.
xv.	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.	Environmental Clearance letter received on April 22, 2016 and advertisement published on April 29, 2016 in "Indian Express" and "Sakal"

xvi.	The 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 start of the project.	Project approved vide HPCL board meeting dated 29 th September, 2015 Consent To Establish received from Maharashtra Pollution Control Board on May 25, 2018.
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