



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

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CIN : L23201MH1952GOI008858

January 03, 2020

To,

**The Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines,
Nagpur-440001**

Subject: Submission of six monthly compliance for Construction of Storage tanks and associated facilities at Mumbai Refinery-II, Village Anik, Tehsil and District Chembur, Maharashtra by M/s HPCL – Environmental Clearance F. No. J-11011/121/2013-IA-II(I) dated April 5, 2016.

Dear Sir,

Please find attached herewith, six monthly compliance report of subject Environmental Clearance for the period April 1, 2019 to September 30, 2019 for MR-II Tankage Project.

With Warm Regards,

Kamalakar R. Vikhar
Chief General Manager – Projects
Mumbai Refinery – HPCL

Compliance of Environmental Clearance conditions for the period April 1, 2019 to September 30, 2019

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.	Layout has been prepared by Project PMC (M/s Engineers India Limited) as per OISD 118 and PESO approval has been obtained on the layout.
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.	As per EIA report prepared by Project PMC (M/s Engineers India Limited) and submitted to MoEFCC, 2 nos. of Ambient air monitoring stations are being installed at site to monitor (VOC & HC) quality of ambient air. Data will be made available post commissioning of the facilities.
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.	No ground water consumption is envisaged for the proposed project. Water will be sourced from the Refinery adjacent to the project site.
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 Oil Catcher 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 through approved TSDF facilities. No effluent shall be discharged outside the premises.	Generated effluent will be collected in OWS sump and routed back to refinery for further processing at ETP. Treated effluent is recycled back in the process. Oily sludge is bio-remediated within the Refinery.
vi.	Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease.	As per design Oil catcher has been provided.
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 post commissioning.
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.	No Hazardous waste and chemicals will be handled in the project site. However, will comply with the applicable provisions mentioned in this particular.
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.	PESO approval has been obtained for construction and further approval will be taken prior to commissioning.
x.	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	PESO approval has been obtained for construction and further approval will be taken prior to commissioning.
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.	No bottom oil sludge is envisaged.
xv.	Occupational Health Surveillance of workers shall be done on regular basis and records maintained as per Factory Act.	Will be complied.
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.	Sufficient greenbelt area has been defined and will be developed in the project.
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 of the project site.
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.	Public hearing commitments with respect to CSR activities in surrounding areas, traffic management and indirect employment through project activities are being implemented.
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.	Already in place as per the existing guidelines.
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.	Housing of construction laborers are being taken care by respective contractors close to project site.
B. General Conditions		
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	Noted

	submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.	
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 in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Locations have been finalized in consultation with the EIA consultant (M/s EIL) and provided information of the same to SPCB.
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).	Will be 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 of the project site.
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.	Project is coming up adjacent to the existing Refinery premises. Various CSR activities are already in place for the surrounding areas

ix.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Project is coming up adjacent to the existing Refinery premises. Various measures are already in place for the overall improvement of the environment.
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, ZilaParishad/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.	Being complied.

xv.	<p>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.</p>	<p>Environmental Clearance letter received on April 22, 2016 and advertisement published on April 29, 2016 in “Indian Express” and “Sakal”</p>
xvi.	<p>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.</p>	<p>Project approved vide HPCL board meeting dated September 29, 2015.</p> <p>Consent to Establish received from Maharashtra Pollution Control Board on May 25, 2018.</p> <p>Intimation letter for change in project configuration submitted to MoEFCC, New Delhi on July 20, 2018 as there is no change in pollution load.</p> <p>Revised CTE for change in configuration from MPCB received on March 26, 2019.</p> <p>Regular project progress report is being sent to Ministry Monitoring Cell.</p> <p>Application has been submitted to MPCB for Consent To Operate (CTO).</p>