

**Compliance Status on  
EC Conditions for Pipeline Terminal for  
storage & Marketing of Petroleum  
Products including branch line  
facilities from Haldia-Barauni Pipeline  
at Jasidih, District-Deoghar**

**EC Approval vide F.No. J-  
11011/320/2010-IA II(I), dated.  
24.01.2011**

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All Points are complied. The details are as below:

**A. Specific Conditions**

S.No.	Specific EC Conditions	Compliance
i)	All the tanks of Motor Spirit should be installed in such a way so as to get maximum distance for them from Boundary wall. Additional safety measures like water sprinklers all around the tank farm or other suitable location to prevent any accidental vapour release from spreading out side should be installed to control vapour leakage.	Complied
ii)	Regular ambient air quality monitoring PM,SO <sub>2</sub> ,Nox,VOCs and HC shall be monitored and displayed at 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. At least one monitoring station shall be set up in up-wind & down-wind direction along with those in other directions.	Last Quarterly Monitoring has been carried out during 12.03.2018 to 13.03.2018.
iii)	Regular 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 Bhopal CPCB and Jharkhand 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 Bhopal.	In line with CPCB guidelines, last quarterly monitoring has been carried out during 12.03.2018 to 13.03.2018.
iv)	The tanks for the storage of Motor Spirit should be provided with floating roof and liquid mounted shoe type double seal as per the Gazeette Notification (Extra Ordinary) dated 18th march 2008.	Complied

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v)	<p>Total ground water requirement shall not exceed 6 m<sup>3</sup>/day and prior permission shall be obtained from the SGWB/CGWB. Oil Industrial Water (2.25 m<sup>3</sup>/day) from washing of the facilities shall be treated in the oil water separator with effluent water having oil content less than 10 ppm and used for green belt development, fire water make up etc. The oil collected in the oil water separator shall be collected in storage containers and returned to the refinery for reprocessing. No effluent shall be discharged outside the premises and zero discharge shall be adopted. During upset conditions and rainy season treated wash water will be discharged to the nearby nallah only after ensuring all the parameters within permissible limit. Domestic effluent shall be treated in septic tank followed by soak pit.</p>	<p>Approval obtained from CGWB vide NOC No.: -CGWA/NOC/IND/ORIG/2017/2812, dtd. 14.11.2017.</p>
vi)	<p>The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste. Separate drainage system shall be created for oil contaminated and non oil contaminated streams. Effluent shall be properly treated and shall confirm to CPCB standards. No effluent shall be discharged outside the premises.</p>	<p>Drains inside the Terminal have been provided as per conditions.</p>
vii)	<p>Oil industry safety Directorate guidelines regarding safety against fire spillage pollution control etc. shall be followed. Company shall ensure no oil spillage occur during loading /unloading of petroleum products.</p>	<p>OISD 117 and OISD 118 have been followed for providing fire fighting facilities and construction of facilities. At loading point, TTs are loaded through automation system having installed with position sensors and overspill sensors for avoiding any spillage.</p>
viii)	<p>The project authorities shall strictly comply with the provisions made in Manufacture Storage and import of Hazardous chemical 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.</p>	<p>MSIHC Rules are being followed. In this regard, OISD has inspected in Aug'14 and Jan'16. Also, location is inspected by M/s. Nexigen a 3rd Party approved by State Chief Inspector of Factories.</p> <p>Authorization by JSPCB has been obtained vide letter no. 1245, dtd. 03.06.2014 for disposal of hazardous waste.</p>

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ix)	Necessary approval 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.	Approval has been obtained from CCoE, Nagpur vide PESO License No. P242006, dtd.01.08.2014.  ERDMP consisting of onsite and offsite Disaster Management Plans has been prepared in line with PNGRB guidelines and implemented.
x)	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	Approval has been obtained from CCoE, Nagpur vide PESO License No. P242006, dtd.31.07.2014.
xi)	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 -117 norms.	Complied. Facilities have been provided as per the OISD- 117 norms.
xii)	No change in storage capacity and other facilities shall be made without proper approval from the Ministry.	We have not carried out any expansion without approval of the Ministry and we are going for augmentation of storage facilities by 21717 KL and 4 additional TLF Bottom TT Loading Bays for which application has been made to MoEF.
xiii)	Tankers shall be as per IS 803, and OISD 117 & 118 for safety aspect. Buffer zone of 250 m shall be maintained.	Complied.
xiv)	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.	ERDMP has been prepared as per PNGRB guidelines and Mock drill is conducted every month.
xv)	Bottom of 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 Bhopal within 3 months of issue of this letter.	Complied.
xvi)	The company shall install Automatic leak detection system supported with hooters or alarm system.	Hydrocarbon Detection System has been Installed in the dyke and Pump House.
xvii)	The Design, Material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas/oil shall be governed as per	Complied.

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	ASME/ANSI B 31.8/B31.4 and OISD 141. Pipeline wall thickness and minimum depth of burial at river crossing and casing at rails major road crossings should be in conformity with ANSI/ASME requirements.	
xviii)	Annual Safety audit shall be carried out initial three years by independent agency. And report submitted to this Ministry for ensuring the strict compliance of safety regulations on operation and maintance.	OISD has inspected in Aug'14 and Jan'16. Also, location is inspected by M/s. Nexigen a 3rd Party approved by State Chief Inspector of Factories.
xix)	The Construction of pipeline particulary at the river and stream crossing should be done during dry season to avoid disturbance of breeding seasons and soil erosion. The river bed embankments and dykes shall be restored adequately after installation of crossings. Pipeline wall thickness and minimum depth of burial at river crossings should be in conformity with ANSI/ASNE requriments.	Complied.
xx)	The company should follow Horizontal directional drilling technique for laying of pipeline while passing through major irrigation canal and perennial rivers.	Complied.
xxi)	The project authorised should plant a minimum of 10 Trees for tree cut along the pipeline route in consultation with the local DFO (s). This will be in addition to compensatory afforestation. The company should develop a social forestry programme to benefit the project effected local people in consultation with local DFO / village panchayat /NGO . appoval under forest (conservation) act 1980 should also be obtained for forest area filling under the pipeline route before initiating construction of the pipeline in the forest area.	Complied.
xxii)	The project authorised shall petrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method (S) of testing as envisaged in the EMP. Pearson survey	Complied.

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	and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection system.	
xxiii)	The project authorised shall install SCADA system with dedicated fibre based telecommunication link for safe operation of pipeline and leak detection system additional sectionalizing valves in the residential area and sensitive installations shall be provided to prevent the amount of gas going to the atmosphere in the event of pipeline failure. Intelligent pigging facility shall be provided for the entire pipeline system for internal corrosion monitoring. Coating and impressed current cathodic protection system shall be provided to prevent external corrosion.	Complied.
xxiv)	Occupation Health Surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.	Complied.
xxv)	Green belts shall be developed in 33% plant area to mitigate the effect of fugitive emission all around the plant in consultation with DGO as per CPCB guidelines.	Large no of tree plantation has been done in the entire vacant area in the Terminal. Additional plantation of 2000 trees is carried out in adjoining 6 acre vacant land of the company.  Besides this, Vapour Recovery System (VRS) has been provided for prevention of discharge of vapour in to the environment.
xxvi)	Noise level shall be within the approved limits of 80 dB(A). The practice of acoustic plant design shall be adopted to limit noise exposure for personnel to an 8 hour time weighted average of 90 db (A)	As per CPCB guidelines, last quarterly monitoring of Noise level has been carried out on 12.03.2018.
xxvii)	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.	Rain Water Harvested from rooftops and storm drain waters are being utilized for recharging the ground water and for other activities in the Terminal.
xxviii)	All the recommendations mentioned in the EMP/DMP shall be implemented.	Recommendations for monitoring of environment parameters are being done regularly.

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xxix)	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 creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition was complied during construction phase.
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### **B. General conditions**

Sr.no.	EC Conditions	Compliance
i.	The project authority must adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government. Must adhere to stipulation by State PCB	Complied, Air & water consent obtained from State PCB.
ii.	There will no change in the pipeline route, design capacity without the prior approval of this Ministry while paying the pipeline OISD standards with regard to distance etc. from private buildings industrial buildings or placed of habitation etc should be followed.	Complied during construction phase.
iii.	During construction phase, adequate care must be taken in consonance with local government regulations	Complied during construction phase.
iv.	The project authorities must strictly comply with the rules and regulations under Manufacture storage and import of Hazardous Chemicals (MSIHC) Rules 2000 prior approvals from Chief Inspectorate of Factories, Chief controller of Explosive Fire Safety Inspectorate etc must be obtained,	Complied.
v.	Detailed risk analysis of the pipeline and associated facilities must be done once the engineering design and layout is frozen. Based on this, on site and off site emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning of the Project.	Complied
vi.	Adequate provision of infrastructural facilities such as water supply fuel sanitation etc. should be ensured for	Complied

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	construction workers during construction phase so as to avoid felling of trees and pollution of water and the surroundings,	
vii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EMP and risk analysis reports.	Complied
viii.	The project proponents should have a scheme for social upliftment in the surroundings village with reference to contributions in road constructions education of health centres sanitation facilities drinking water supply community awareness and employment to local people whenever and wherever possible both for technical and non- technical jobs.	In line with our CSR Policy, three wells have been installed in nearby villages, Computer to Govt. Primary School Village-Santhali, Jasidih for intellectual development of students, 190 nos of Bench cum Desks in 5 schools of Sarath, Sarwan & Madhupur block of Deoghar. Contribution of Rs. 38 lakhs to Deoghar Administration for Shraavan Mela-2016: 40units toilets & 22 units bathrooms for the pilgrims during Shravani Mela through DC-Deoghar. 50 unit toilets, 100 nos of traffic barriers, 6000 no's reflective jackets, 1000 no's T-Shirts through SP-Deoghar
ix.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the Environmental Management and Monitoring functions.	Complied. Environment Management Cell has been constituted vide office order JSD TL/Rnvr/01, dtd.01.12.2016.
x.	The project authorities will provide adequate funds recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Complied.
xi.	The Implementation of the project vis-a vis environmental action plans shall be monitored by the Ministry's Regional Office at Bhopal/SPCB/CPCB. A six monthly compliance status report shall be submitted to the monitoring agencies.	Environment parameters are monitored by Jharkhand SPCB. All parameters such as, Nox, SPM, SO2 are tested and found within norms. Last Six monthly reports has been sent on 27.02.2018.
xii.	A separate Environment Management Cell with full fledged laboratory facilities to carry out various	Complied.

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	management and monitoring functions shall be set up under the control of senior executive.	
xiii.	A Copy of clearance letter shall be sent by the proponent to concerned to 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. Being displayed on website.
xiv.	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 the SPCB. The criteria pollutant levels namely SPM,RSPM,SO2,NOx,HC (Methane & Non methane) VOCs (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain,	Complied. Being displayed on website.
xv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry CPCB/SPCB Shall monitor the stipulated conditions. Monitoring of pollutant levels and sending to various offices for compliances	Six monthly reports along with Monitored data are sent on 27.02.2018.
xvi.	The environmental statement for each financial year ending 31st March in Form- V as is mandated to be	Environment statement for 2016-17 is sent. Complied. Being displayed on website.

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	submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1980 as amended subsequently shall also be put on the website of the company along with the status compliance of environmental conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.	
xvii.	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 WBPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envior.nic.in">http://envior.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 locally concerned and a copy of the same shall be forwarded to the Regional office.	Complied
xviii.	Project authorities shall Inform the Reginol Office as well as the Ministry the date of financial closure and final approval of the project by concerned authority and the date of commencing the land development work.	Complied. Project has been completed

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