

COMPLIANCE REPORT

Name of the Project: Exploratory Drilling of Oil Well, ^{Pabita} ~~Chech~~at#1, Vill: Surela, Tehsil: Digod, Distt: Kota, Rajasthan.

Clearance letter No: J-11011/712/2009-IA. II (I) dated: 26th July, 2011

Period of Compliance: January to June 2012.

Specific Conditions:

Sl. No	Conditions	Compliance Status
1.	4 Nos of Exploratory Wells to be Drilled	First Well under Drilling
2.	Gas produced during testing shall be flared with appropriate booms. OISD & MOEF/CPCB Requirements/Guidelines will be followed.	Incase gas is produced it will be complied
3.	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Quality	Complied

Amrit Kashyap
24.7.12

General Conditions:

S.No.	Points to be Monitored	Responsibility
1.	Ambient air quality should be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ , HC, Non-methane HC etc.	Monitored by PCRI (BHEL) Copy of Test results enclosed here with
2.	Mercury should also be analyzed in air, water and drill cuttings twice during drilling period.	Analysed by PCRI (BHEL) Copy of Test results enclosed here with.
3.	Approach road should be made pucca to minimize generation of suspended dust.	Complied
4.	The company should make the arrangement for control of noise from the drilling activity and DG sets.	Complied
5.	Total ground water requirement should not exceed 25 m ³ /day/well and prior permission should be obtained from the concerned agency.	Complied
6.	company should construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system should be created for oil contaminated and non-oil contaminated. Effluent should be properly treated and treated wastewater should conform to CPCB standards.	Complied-drains provided all along fencing.
7.	Drilling wastewater including drill cuttings wash water should be collected in disposal pit lined with HDPE lining evaporated or treated and should comply with the notified standards for on-shore disposal. The membership of common TSDF should be obtained for the disposal of drill cuttings and hazardous waste. Otherwise, secured land fill should be created at the site as per the design approved by the CPCB and obtain authorization from the SPCB. Copy of authorization or membership of TSDF should be submitted to Ministry's Regional Office at Lucknow	Complied
7.	Oil spillage scheme should be prepared. In case of oil spillage/contamination, action plan should be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil should be disposed of to the authorized recyclers.	Complied
8.	The company should comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August, 2005	Complied
9.	The Company should take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare should be explored. At the place of ground flaring, the overhead flaring stack with knockout drums should be installed to minimize gaseous emissions during operation.	Complied
10.	The company should develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers should be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	Complied, procurement of self contained breathing apparatus in process.
11.	The Company should carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected should be	Complied

Anil Kashyap
24.7.12

	submitted six monthly to the Ministry and its Regional Office at Lucknow.	
12.	Blow Out Preventor (BOP) system should be installed to prevent well blowouts during drilling operations. BOP measures during drilling should focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied
13.	Emergency Response Plan (ERP) should be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied
14.	The company should take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site should be restored the are in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan should be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations	Will be complied after completion of Project.
15.	Occupational health surveillance of the workers should be carried out as per the prevailing Acts and Rules	Complied
16.	In case the commercial viability of the project is established, the Company should prepare a detailed plan for development of oil and gas fields and obtain fresh environmental clearance from the Ministry.	Will be complied.
17.	Restoration of the project site should be carried out satisfactorily and report should be sent to the Ministry's Regional Office at Lucknow.	Restoration will be taken up after completion of project.
18.	Oil content in the drill cuttings should be monitored by some Authorized agency and report should be sent to the Ministry's Regional Office at Lucknow, U.P.	Being monitored by PCRI (BHEL)

Amit Kashyap
29.7.12
(AMIT KASHYAP)
Incharge - HSE, FB

TABLE OF AMBIENT AIR MONITORING

Sl. No.	Parameter	Unit
1.	Particulate Matter less than 10 µm or PM ₁₀	µg/m ³
2.	Particulate Matter less than 2.5 µm or PM _{2.5}	µg/m ³
3.	Sulphur Dioxide (SO ₂)	µg/m ³
4.	Nitrogen Dioxide (NO ₂)	µg/m ³
5.	Carbon Monoxide (CO)	ppm
6.	Lead (Pb)	µg/m ³
7.	Carbon Dioxide (CO ₂)	ppm
8.	Hydrocarbons (HC)	ppm
9.	Xylene	ppm
10.	Ozone (O ₃)	ppm
11.	Benzene (C ₆ H ₆)	ppm
12.	Toluene	ppm

BPL - Below Detectable Limit
 Standard Ambient Air Quality Standards as per CPCB Notification N. 16/1987-1986

Issued by
 (Signature)
 Sr. Manager, ECRD

Checked by
 (Signature)
 Sr. Manager, ECRD

Remarks: (1) This report refers only to the particular sample/ job submitted for testing.
 (2) This report is not to be reproduced, copied or used in any way without our explicit permission.
 (3) The report will be valid only if you return the date of issue of Test Report.

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Tehsil: Digod, Distt: Kota, Rajasthan.

Clearance letter No: J-11011/712/2009-IA. II (I) dated: 26th July, 2011

Period of Compliance: August to December 2011.

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Amit Kashyap
23.3.12
(AMIT KASHYAP)
Incharge - HSE, FB