



Ref: GOGL/MOEFCC/KW/2016-17/ 342

Date: 23rd August 2016

To,
The Additional Director
Ministry of Environment, Forest and Climate Change
Regional Office (Western Zone),
Kendriya Paryavaran Bhavan,
E-5 Arera Colony, Link Road-3,
Ravishankar Nagar,
Bhopal-462 016

Respected Sir,

Sub: Submission of Six Monthly Environmental Clearance Compliance Report for Kanawara Field.
Ref: Environmental Clearance No. J-11011/201/2012-IA II (I) of dated 22/06/2015.

With reference to above Environmental Clearance order, we are submitting herewith point wise compliance report of said Environmental Clearance for the period of **January 2016 to June 2016.**

We hope to have satisfied from us & do needful at your end & oblige us.

Thanking You,
Yours faithfully,
for **GNRL Oil & Gas Ltd.**

Authorized Signatory

Encl: As Above

 **GNRL Oil & Gas Ltd.**
(Formerly Heramec Ltd.)

Six Monthly Compliance of Conditions Stipulated by MOEFCC, New Delhi,
for M/s. GNRL Oil & Gas Ltd. with reference to:
EC Order No. J-11011/201/2012-IA II (I) of dated 22/06/2015.

Drilling of Development wells (4 Nos.) in Kanawara Field, District Anand, Gujarat by M/s. GNRL Oil & Gas Ltd.
 – Environmental Clearance regd.

A. SPECIFIC CONDITIONS:

Sr. No.	Conditions	Compliance
i.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	There is no DG set in the unit. One fire engine is installed having adequate stack height & acoustic enclosure.
ii.	Ambient air quality shall 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, methane & Non-methane HC etc.	Complied for existing field. Ambient air monitoring is carried out from NABET approved party & report is submitted to the GPCB every month. Please refer Annexure – I .
iii.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	Shall be complied. No drilling activity is carried out during compliance period.
iv.	Approach road shall be made pucca to minimize generation of suspended dust.	Shall be complied with during drilling period.
v.	Drilling site should be selected 500 m away from the nearest village.	Noted. Shall be complied with during drilling period.
vi.	Total water requirement shall not exceed 20 m ³ /day and prior permission shall be obtained from the concerned agency.	Shall be complied, as and when drilling starts.
vii.	The company shall 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 shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Shall be complied with while preparing the drill site.
viii.	Drilling wastewater including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for onshore disposal. The membership of common TSDF shall be obtained for the disposal of drill cuttings and hazardous waste. Otherwise, secured land fill shall 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 shall be submitted to Ministry's Regional Office at Bhopal.	Not applicable at present as no drilling activity is carried out. Shall be complied during drilling period.

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Sr. No.	Conditions	Compliance
ix.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak pit.	Shall be complied. No drilling activity is carried out during compliance period.
x.	Oil spillage prevention scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Shall be Complied.
xi.	The company shall 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.	Noted. Shall be Complied. No drilling activity is carried out during compliance period.
xii.	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	Shall be complied. Shall be Provided as per best practice of Oil & Gas Industries. No drilling activity is carried out during compliance period.
xiii.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self containing breathing apparatus.	Shall be Complied. No drilling activity is carried out during compliance period.
xiv.	On completion of drilling, the companies have to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned, Authority.	Noted. Shall be plugged, in the event that no economic quantity of hydrocarbon is found.
xv.	Blowout Preventer (BOP) system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Noted. Shall be Complied. No drilling activity is carried out during compliance period.
xvi.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Gov. of India.	Noted. Shall be Complied. No drilling activity is carried out during compliance period.
xvii.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to the original condition. In the event that no economic quantity of hydrocarbon is found, a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Noted. Shall be Complied. No drilling activity is carried out during compliance period.

Sr. No.	Conditions	Compliance
xviii.	Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter.	Noted. Shall be Complied.
xix.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Noted. Complied. Records are being maintained for existing field.
xx.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional office at Bhopal.	Noted. Shall be Complied.
xxi.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional office at Bhopal.	Noted. Shall be Complied. No drilling activity is carried out during compliance period.
xxii.	An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall be submitted to the Ministry's Regional Office.	Shall be Complied.
xxiii.	All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.	Shall be complied. Being complied for existing field.
xxiv.	At least 2.5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	Shall be Complied.
xxv.	Company shall have Environment management Cell having qualified persons with proper background.	Noted. Shall be complied.
xxvi.	Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Shall be complied. No drilling activity is carried out during compliance period.

B. GENERAL CONDITIONS:

Sr. No.	Conditions	Status
i.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), state Government and any other statutory authority.	Shall be complied. Obtained CC&A from GPCB for existing field. Please refer Annexure – II.
ii.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forest. In case of deviations or alternations 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.	Noted.
iii.	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.	Noted.
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 tec. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied for existing field. Noise level monitoring is carried out from NABET approved party & report is submitted to the GPCB every month. Please refer Annexure – I.
v.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Monitoring of environmental parameters is carried out through NABET approved third parties.
vi.	A copy of clearance letter shall be sent by the 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. The clearance letter shall also be put on the web site of the Company by the proponent.	Complied. EC uploaded in our website.
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 the GPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , 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 for existing field for those parameters mentioned in CC&A of GPCB. For rest of the parameters, monitoring will be done during & after drilling operation and will be complied.



Sr. No.	Conditions	Status
viii.	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 GPCB. The Regional Office of this Ministry / CPCB / GPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Shall be Complied.
ix.	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 environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	Complied for existing field.
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 GPCB and may also be seen at Website of the Ministry of Environment and Forest at http://envfor.nic.in . 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 Regional office.	Complied.
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 the land development work.	Shall be Complied.

