

Date: 06.05.2024

Ref: RJ-ONHP-2017/3/EC/June-24/1

Head of Office,
Integrated Regional Office, Jaipur,
Ministry of Env., Forest and Climate Change,
A-209&218, Aranya Bhawan,
Mahatma Gandhi Road, Jhalana Institutional Area,
Jaipur - 304002, Rajasthan

Sub: Six-monthly Status Report on progressive compliance to Environmental Clearance (EC) conditions for Onshore Oil and Gas Exploration, Appraisal and Early Production in RJ-ONHP-2017/3 Block located in District Jalore, Rajasthan.

Ref: F. No. IA-J-11011/102/2019-IA-II(I), dated 21.01.2020

Dear Sir,

We are pleased to submit a point wise compliance status report of the conditions stipulated in the Environmental Clearance accorded by MoEF&CC for the RJ-ONHP-2017/3 Block for the period October 2023 to March 2024.

Thanking you,

Yours faithfully,
For Vedanta Limited (Div.: Cairn Oil & Gas)



Dilip Kumar Bera
DGM- Environment

Enclosures: As above

Copy to:

1. Central Pollution Control Board, Parvesh Bhawan, Bhopal.
2. The Member Secretary, Rajasthan State Pollution Control Board.

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CIN: L13209MH1965PLC291394

**SIX-MONTHLY REPORT ON
PROGRESSIVE COMPLIANCE TO ENVIRONMENTAL CLEARANCE CONDITIONS**

Project name:	“Onshore Oil and Gas Exploration & Appraisal and Early Production in RJ-ONHP-2017/3 Block” located in District Jalore, Rajasthan.
Environment Clearance letter no.:	IA-J-11011/102/2019-IA-II(I), dated 21 st January 2020
Reporting period:	October 2023 to March 2024
Project activity during reporting period:	No drilling and early production activities during this reporting period
Overall status of activities w.r.t. project defined in EC:	<p><u>Project defined in EC:</u></p> <ul style="list-style-type: none"> •Drilling of Exploratory and Appraisal Wells and setting up of Early Production Units (EPUs)/ Quick Production Units (QPUs): 78 Nos. • Early Production Units (EPUs)/ Quick Production Units (QPUs): 32000 BOPD Crude Oil and 4.8 MMSCFD Natural gas. <p><u>Overall Status:</u></p> <p>One exploratory and appraisal well has been drilled till date. Wellpad# SouthEast-Multicluster-1(SE-MC-1) (RJ-ONHP-2017-3) at Kh. No. 892, 895, 896, Village- Lakhani The - Bagoda, Jalore, Rajasthan. Location: Lat.: 2785149.00 N, Long.: 798709.00 E. (Duration of drilling: June’22-July’22)</p>

A.	Specific Conditions:	Compliance
(i)	Felling of tree shall not be permitted unless PP takes applicable permission from State Forest Department/ concerned authority, if felling of tree is inevitable for drilling operations.	No tree felled at the drill site
(ii)	During exploration, production, storage and handling, the fugitive emissions of methane, if any, shall be monitored using infra-red camera/ appropriate technology.	No drilling and early production activities during this reporting period
(iii)	The project proponent also to ensure trapping/ storing of the CO ₂ generated, if any, during the process and handling.	Not applicable
(iv)	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach road to the site has been made pucca for smooth movement of vehicles.
(v)	All the commitments made to the public during public consultation/ hearing shall be implemented in totality.	Complied.

Sr. No.	Conditions	Compliance Status
B. General Conditions:		
I. Statutory compliance:		
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable. No forest land is involved.
(ii)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act. 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.	Consent to Establishment (CTE) has been granted by RSPCB vide file no. F(HDF)/Jodhpur (Jodhpur)/49(1)/2021-2022/1936-1938 dtd. 17.08.2021. Consent to operate (CTO) has been granted by RSPCB vide 2022-2023/HDF/8975 dated 20.06.2022 for Wellpad# South East-Multicluster-1(SE-MC-1).
(iii)	Necessary authorization required under the Hazardous and Other Waste (Management and Trans –Boundary Movement) Rules 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Hazardous Waste Authorisation has been granted by RSPCB vide no. RPCB/HWM/2022-2023/HDF/ HSW/9 dated 20.06.2022 for Wellpad# South East-Multicluster-1(SE-MC-1).
(iv)	The Project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2019, as applicable.	Not applicable.
II. Air quality monitoring and preservation		
(i)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009 shall be complied with.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(ii)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultant with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(iv)	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Emissions Standards issued by the Ministry vide G.S.R No 826(E)	No drilling and production activity during this reporting period. To be complied with during drilling in future.

Sr. No.	Conditions	Compliance Status
	dated 16th November 2009 for PM10, PM2.5, SO2, NOx, CO, CH4, HC, non-methane HC etc.	
(v)	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Approach road to the site was made pucca for smooth movement of vehicles during previous drilling operation.
III. Water quality monitoring and preservation		
(i)	Wastewater shall be treated by an effective onsite ETP coupled with RO so as to reduce freshwater footprint on daily basis. Size of the waste pit shall be kept minimum in such way so that it can accommodate volume of discarded mud and volume of drill cuttings. Storm water shall not be allowed to reach wastewater pit. Zero Liquid Discharge shall ne ensure and no waste/ treated water shall be discharged outside the premises.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(ii)	Total freshwater requirement shall not exceed 30 cum/day/well proposed to be met through tankers/ground water. Mobile ETP shall be installed coupled with RO to reuse the treated water in drilling system. Size of the waste shall not exceed from the hole volume of the well + volume of drill cutting expected to be generated and volume of discarded mud if any. Two feet free board may be left to accommodate rainwater. There shall be separate storm water channel and rainwater shall not be allowed to mix with wastewater. Alternately, if possible, pit less drilling be practiced instead of above.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(iii)	Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharge outside the premises.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(iv)	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 wastewater shall conform to CPCB standards.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(v)	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent /drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies. The company shall	No drilling and production activity during this reporting period. To be complied with during drilling in future.

Sr. No.	Conditions	Compliance Status
	comply with the guidelines for disposal of solid waste, drill cutting and drill fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August 2005.	
IV. Noise monitoring and prevention		
(i)	The company shall make all arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(ii)	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 etc. on all sources of noise generation.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(iii)	The ambient noise levels should conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, viz. 75 dBA (daytime) and 70 dBA (nighttime).	No drilling and production activity during this reporting period. To be complied with during drilling in future.
V. Energy Conservation measures		
(i)	The energy sources for lighting purposes shall preferably be LED based.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
VI. Waste management		
(i)	Oil spillage prevention and mitigation 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 recycler.	To be complied with during drilling in future.
(ii)	Oil content in the drill cutting shall be monitored by some Authorized agency and report shall be sent to the Ministry's Reginal Office.	Not applicable
VII. Safety Public hearing and Human health issues		
(i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(ii)	Blow Out Preventer 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.	No drilling and production activity during this reporting period.

Sr. No.	Conditions	Compliance Status
(iii)	Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set environmental manual shall be made available at the drilling site. Awareness shall be created at each level of the management. All the schedule and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.	Vedanta Ltd. (Cairn Oil & Gas) has laid down Health, Safety, Environmental & Sustainability policy duly signed by the Dy. CEO and same being implemented during site work.
(iv)	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	To be complied with.
(v)	The company shall take measures after completion of drilling process by well plugging and securing enclosures, decommissioning of rig upon abandonment of the well and drill site shall be restored the area in 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.	To be complied with.
(vi)	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.	No drilling and production activity during this reporting period.
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(viii)	The company shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operation. The workers shall be provided with personal H2S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	Complied. H2S contingency Plan is available. Field is equipped with fixed H2S detection and alarm system. Workforces are identified with personal H2S monitors. SCBA are made available at all well pads for emergency purposes.
(ix)	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.	Not applicable

Sr. No.	Conditions	Compliance Status
(x)	Occupational health surveillance of the workers shall be on a regular basis and records maintained as per the Factories Act.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
(xi)	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.	No drilling and production activity during this reporting period. To be complied with during drilling in future.
VIII. Corporate Environment Responsibility		
(i)	At least 2.5% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Various programs/ activities were undertaken for the benefits of nearby community/ villagers.
(ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringement/deviation/violation of the environmental/forest/wildlife norms/ conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Vedanta Ltd. (Cairn Oil & Gas) has laid down Health, Safety, Environmental & Sustainability policy duly signed by the Dy. CEO, and this is implemented at all drill sites.
(iii)	A separate Environmental Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Environment Cell with qualified & experienced professionals has been deployed. Head - Environment reports to BU President, who in turn reports to CEO.
(iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise fund earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six-Monthly Compliance Report.	Complied. EMP including environmental monitoring had been prepared and implemented during drilling operation. Adequate fund has been allocated towards EMP. The same will be complied in future.
(v)	Self-environmental audit shall be conducted annually. Every three years third party-environmental audit shall be carried out.	No drilling and production activity during this reporting period.
IX Miscellaneous		

Sr. No.	Conditions	Compliance Status
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertisement has been published in 'Rajasthan Patrika' on 04.09.2022 and 'Hindustan Times' on 04.09.2022.
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Copies of the environmental clearance has been submitted to the Heads of local bodies, Panchayat and Municipal Bodies in addition to the relevant government offices dated 17 th February 2023.
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. Environmental Compliance report is being prepared and uploaded on website on regular basis.
(iv)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied. Six-monthly compliance report is being prepared and submitted regularly.
(v)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on their website of the company.	Complied. Environmental Statement (in Form-V) has been prepared for well pad# Southeast-Multicluster-1(SE-MC-1) and submitted to RSPCB vide letter no. RJ-3/SEMC-1/Form-V/22/1 dated 22.09.2023.
(vi)	The project proponent 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, commencing the land development work and start of production operation by the project.	Noted for compliance.
(vii)	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office.	Noted for compliance.
(viii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied. Conditions stipulated in CTE & CTO have been complied with towards pollution prevention & control and safeguard of environment and ecology.

Sr. No.	Conditions	Compliance Status
(ix)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report commitments made during Public hearing and also that during their presentation to the Expert Appraisal Committee.	Complied. EMP has been implemented towards pollution prevention & control and safeguard of environment and ecology.
(x)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Noted.
(xi)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.	Noted.
10	The Ministry reserves the stipulate additional condition, if found necessary at subsequent stages & project proponent shall implement all the said conditions in a time bond manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
11	Concealing factual data or submission of false/fabricated data and failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted.
12	Any appeal against the environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
13	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.
XIV	This issues with approval of the competent authority.	Noted.