

Date: 14.11.2024

Ref: RJ-ONHP-2017/6/EC/Dec-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-2017/6 Block located in District Barmer, Rajasthan.

Ref: EC letter no. F.I(4)/SEIAA/SEAC-Raj/Sectt/project/Cat5B2(f)(18830)2019-20, dated 16.03.2021

Dear Sir,

We are pleased to submit a point wise compliance status report of the conditions stipulated in the Environmental Clearance accorded by SEIAA, Rajasthan for the RJ-ONHP-2017/6 Block for the period April 2024 to September 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-2017/6 Hydrocarbon Block” (925 sq.km.) located in District Barmer, Rajasthan.
Environment Clearance letter no.:	No. F.I(4) SEIAA/SEAC-Raj/Sectt./project /Cat.5(F)B2(18830)/2019-20, Dated: 16.03.2021
Reporting period:	April 2024 to September 2024
Project activity during reporting period:	No Exploratory & Appraisal well drilling and Early Production activities carried out in the RJ-ONHP-2017/6 Block during the reporting period.
Overall status of activities w.r.t. project defined in EC:	<p>Project defined in EC:</p> <ul style="list-style-type: none"> • Drilling of Exploratory and Appraisal Wells: 45 Nos. • Early Production Units (EPU)/ Quick production Units (QPU): 8 Nos. • Early Production: 16000 BOPD crude oil and 2.4 MMSCFD associated Natural gas. <p>Overall Status:</p> <p>No Exploratory & Appraisal well drilling and Early Production activities carried out in RJ-ONHP-2017/6 Block till date.</p>

S. No.	Conditions	Compliance Status
I. Statutory compliance:		
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable. No drilling well/activity in forest area.
ii.	The project proponent shall obtain clearance from the National Board of Wildlife, If applicable.	Not applicable. No drilling well/activity in protected area.
iii.	The project proponent shall prepare a Site-Specific conservation plan & wildlife Management and approved by the Chief Wildlife Warden. The recommendation of the approved site specific conservation plan/Wild Management plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule - I species in the Study Area.	Complied. Wildlife conservation plan has been prepared and submitted to PCCF Wildlife for approval vide letter No. RJ-ONHP-2017/WL/1, dated 06.12.2019.
iv.	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.	CTE has been obtained vide file no. F(HDF)/Jodhpur (Jodhpur)/49(1)2021-2022/4792-4794 dated: 17/12/2021. (Validity: 18/11/2021 to 31/10/2026). CTO will be obtained for drilling in future.
v.	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.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
vi.	The Project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone notification, 2011 as applicable.	Not applicable. No CRZ are involved in the Block.
II. Air quality monitoring and preservation		

S. No.	Conditions	Compliance Status
(i)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November,2009 shall be complied with.	To be complied with.
(ii)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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 exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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) dated 16th November, 2009 for PM10, PM2.5, SO2, NOx, CO, CH4, HC, Non methane HC etc.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(v)	During exploration, production, storage and handling, the fugitive emissions of methane, if any, shall be monitored using infra-red camera/ appropriate technology.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(vi)	The project proponent also to ensure trapping /storing of the CO2 entered, if any during the process and handling.	Not relevant to this project.
(vii)	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied with.
III. Water quality monitoring and preservation		
(i)	As proposed by the Project proponent Zero liquid Discharge Shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/ or on land. Domestic sewage shall be disposed off through septic tank/ soak pit.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(ii)	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules 1986, or as specified by the State Pollution Control Board while granting Consent under Air/ Water Act, whichever is more stringent.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(iii)	Total freshwater requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/ CGWA in this regard.	No ground water extraction for the project activities.
(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	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.

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	contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	
(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 comply with the guidelines for disposal of solid waste, drill cutting and drill fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th august 2005.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
IV. Noise monitoring and prevention		
(i)	The company shall make all arrangement for control of noise the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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.	To be complied with.
(iii)	The ambient noise levels should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	To be complied with.
V. Energy Conservation measures		
(i)	The energy sources for lighting purposes shall preferably be LED based.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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 Regional office.	Noted for Compliance.
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 exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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 exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(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.	To be complied with.

S. No.	Conditions	Compliance Status
	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.	
(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.	To be complied with.
(vii)	Training shall be imparted to all employees on safety and health aspects of Chemical Shandling. 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.	To be complied with.
(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.	To be complied with.
(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 of temporary structure to be removed after the completion of the project.	No housing for construction labour required for the project.
(x)	Occupational health surveillane of the workers shall be on a regular basis and records maintained as per the Factories Act.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities 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 exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
VIII. Corporate Environment Responsibility		

S. No.	Conditions	Compliance Status
(i)	The project proponent shall comply with the provisions contained in the Ministry's OM vide F.no. 22-65/2017.IA.III dated 1 st May as applicable regarding Corporate Environment Responsibility.	Noted for compliance.
(ii)	The company shall have a well laid down environmental policy duly approved by the board of Directors. The environmental policy should be prescribed for standard operating procedures to have proper checks and balances and to bring into focus any infringement/deviation/violation of the environment/forest wildlife norms /conditions. The company shall have defined system of reporting infringements/ deviation/violation of the environment/ 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, Environment & Sustainable policy duly signed by the CEO.
(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.	To implement the environmental management program efficiently within the organization, periodical monitoring as per statutory guidelines etc., Environmental cell has been set up within the company.
(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.	Noted.
(v)	Self-environmental audit shall be conducted annually. Every three years third party-environmental audit shall be carried out.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
IX	Miscellaneous	
(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.	Detailed of Environmental Clearance has been advertised in local newspaper "Rajasthan Patrika" dated on 04.09.2022. And in "Hindustan Times" dated 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.

S. No.	Conditions	Compliance Status
(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.	Noted for compliance.
(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 Environment Clearance compliance report being submitted to concerned departments.
(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.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(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.	No exploratory, appraisal well drilling and early production activity till date. To be complied with during project activities in future.
(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.
(vii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
(viii)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted.
(viii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted.
(ix)	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
(x)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
(xi)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
(xii)	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.

S. No.	Conditions	Compliance Status
(xiii)	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)	Any appeal against this EC 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.