

Date: 06.05.2024

Ref: RJ-ONHP-2017/5/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 & Gas Exploration & Appraisal and Early Production in RJ-ONHP-2017/5 Block located at District Barmer, State Rajasthan.

Ref: EC letter no. F1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.1(b)B2(19213)2019-20 dated 25.06.2021

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-2017/5 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 & Gas Exploration, Appraisal and Early Production project in RJ-ONHP-2017/5 Hydrocarbon Block, falling in Dist.-Barmer, Rajasthan.
Environmental Clearance letter no.:	No. F.1(4) SEIAA/SEAC-Raj/Sectt/Project/Cat.1(b) B2(19213)/2019-20; Dated 25.06.2021
Reporting period:	October 2023 to March 2024
Project activity during reporting period:	No exploratory & appraisal well drilling and early production activities carried out in the RJ-ON-HP-2017/5 block till date.
Overall status of activities w.r.t. project defined in EC:	Project defined in EC: <ul style="list-style-type: none"> • Drilling of Exploratory & Appraisal Wells: 52 Nos. • Early Production Units (EPUs)/ Quick Production Units (QPU): 10 • Early Production: 20000 BOPD Crude oil and 3.0 MMSCFD associated Natural gas.
	Overall Status: No Exploratory & Appraisal well drilling and early production activities carried out in RJ-ON-HP-2017/5 block till date.

S. No.	EC 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 for Wildlife, if applicable.	No drilling wells/ activity in protected area.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife 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)	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.	Consent to Establishment /Operate to be obtained for any future activity.

S. No.	EC Conditions	Compliance Status
v.	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provision 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 activity 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 area involved in the block.
II.	Air quality monitoring and preservation	
i.	The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R No. 826(E) dated 16 th November 2009 shall be complied with.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.
ii.	To control source and the fugitive emission, 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 emission 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 activity in future.
iii.	The locations of ambient air quality monitoring station shall be decided in consultation 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 activity in future.
iv.	Ambient air quality shall be monitored at the nearest human Settlement as per the National Ambient Air Quality Emission Standard issued by the Ministry vide G S R No 826(E) dated 16 th 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 activity in future.
v.	During exploration, production, storage and handling, the fugitive emission 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 activity in future.
vi.	The Project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process of handling.	Not applicable
vii.	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied with.
III.	Water quality monitoring and preservation	

S. No.	EC Conditions	Compliance Status
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 activity 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 the Air/Water Act, whichever is more stringent.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.
iii.	Total fresh water 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 will be extracted for this project.
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 and treated wastewater shall conform to CPCB standards.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity 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 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.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.
IV.	Noise monitoring and preservation	
i.	The company shall make all arrangements 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 exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity 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.	Noted for compliance. To be complied with during project activity in future.
iii.	The ambient noise levels should conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dB(A) (daytime) and 70 dB (A) (night-time).	Noted for compliance
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.

S. No.	EC Conditions	Compliance Status
		To be complied with during project activity 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 recyclers.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.
ii.	Oil content in the drill cuttings 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.	To be complied with
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 activity 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. One set of environmental manuals 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. Remote monitoring of site should be done.	No exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.
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 secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abonnement 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 exploratory & appraisal well drilling and early production activity till date. To be complied with during project activity in future.

S. No.	EC Conditions	Compliance Status
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.	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 operations. 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 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.	No housing for construction labour required for the project.
x	Occupational health surveillance of the workers shall be done 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 activity 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 activity in future.
VIII.	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted for compliance
ii.	The company shall have a well laid down environment policy duly approved by the Board of Directors. The environment policy should prescribe for standards operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / 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, Environment & Sustainability 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 set up under the control of senior Executive, who will directly report to the head of the organization.	To implement the environmental management program efficiently within the organisation, periodic monitoring as per statutory guidelines

S. No.	EC Conditions	Compliance Status
		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 funds 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 activity in future.
X.	Miscellaneous	
I.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safe guards 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.	Details of Environmental Clearance has been advertised in two news papers i.e., "Rajasthan Patrika" and "Hindustan Times" dated 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.	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 Environmental 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 out on the website of the company.	No exploratory & appraisal well drilling and early production activity till date.

S. No.	EC Conditions	Compliance Status
		To be complied with during project activity 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 activity in future.
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
IX.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change (MoEF&CC).	Noted
X.	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
XI.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
XII.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
XIII.	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
XIV.	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
XV.	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