



ऑयल एण्ड नेचुरल गैस कोरपोरेशन लिमिटेड

Oil and Natural Gas Corporation Limited

पूर्वी अपतट परिसंपत्ति

द्वितीय तल, साउथ ब्लॉक, सुभद्रा आर्केड, भानुगुडी जंक्शन, काकीनाड़ा – 533003

Eastern Offshore Asset

2nd Floor, South Block, Subhadra Arcade, Bhanugudi Junction, Kakinada – 533 003

Phone No: - 0884-2302205

Fax No: - 0884-2374104

ONGC/EOA/Surface/HSE/EC/G1/19/1

Date: 02.04.2019

To,

✓ 1. Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (SEZ), 1st and 2nd Floor,
Handloom Export Promotion Council,
34, Cathedral Garden Road, Nungambakkam,
Chennai – 600034.
Email: ro.moefccc@gov.in , roefcc@gmail.com .

2. Central Pollution Control Board
A Block, Nisarga Bhavan, 1st and 2nd floors,
7th D cross, Thimmaiah Road,
Shivanagar, Bengaluru, Karnataka – 560079
Email: ssuresh.cpcb@nic.in , cpcbsuresh@gmail.com

3. The Environmental Engineer
A.P. Pollution Control Board
Regional Office, Kakinada
Andhra Pradesh-533005.
Email: rokkd-ee1@appcb.gov.in

Sirs,

Sub: - Submission of Compliance for EC (Environmental clearance) of GS15 and G1 Project of Eastern Offshore Asset, ONGC.

Ref: - EC for GS15 and G1 Project of Eastern Offshore Asset, ONGC of Order No.J-11011/200/2005-IA II (I) DATED 09.09.2005

With reference to above, we herewith submit six monthly compliance report for EC (Environmental Clearance) of GS15 and G1 Project of Eastern Offshore Asset, ONGC for the period from 1st October 2018 to 31st March 2019.

With Regards,

For M/s. Oil & Natural Gas Corporation Ltd.,

N. Sharma
24/4/19

(Namit Sharma)

GGM (P), Surface Manager

पंजीकृत कार्यालय : दीनदयाल ऊर्जा भवन, 5, नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली – 110070

Registered Office: - Deendayal Urja Bhavan, 5, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070

CIN : L74899DL1993GOI054155 Website : www.ongcindia.com

EC Compliance points according to for GS-15 & G1 Project (ONGC) for the period 01st October 2018 to 31st March 2019.

***Note :** No Drilling activities being carried out in G1 & GS-15 project.

S.No	Condition	Present Status
1	The schedule for commencement by the drilling operations shall be intimated at least on month in advance to the wild life warden having jurisdiction over the nearest coastal area so as to enable him to monitor its impact, if any, on the wild life.	Shall be complied
2	Approval from DG shipping under the Merchant Shipping Act prior to commencement of the drilling operations should be obtained. At least 30 days prior to the commencement of drilling, the exact location shall be intimated to the Director General of Shipping, Mumbai and the Company shall abide by any direction he may issue regarding ensuring the safety of navigation in the area.	Shall be complied
3	Use of diesel base mud is prohibited. The project authorities shall ensure that only water base mud drilling fluid shall be used for the proposed off shore drilling Ministry hereby grants permission for disposal of the residual water based drilling fluid and drill cutting after proper washing subject to following conditions.	*Not Applicable
4	The chemical additives used in the water base drilling fluids shall be biodegradable(mainly organic constituents) and shall have toxicity of 96 hr LC 50 value > 30,000 mg/l as per mysid toxicity test conducted on locally available sensitive sea species.	*Not Applicable
5	Thoroughly washed drill cuttings separated from WBM and unusable portion of WBM having toxicity of 96 Hrs LC 50 > 30,000 mg/l shall be discharged offshore into sea intermittently at an average rate of 50 bbl/hr/well from a platform so as to have proper dilution and dispersion without any adverse impact on marine environment.	*Not Applicable
6	DC of any composition shall not be discharged in sensitive areas notified by Ministry of environment and forest	*Not Applicable
7	Discharge of DC from the installation located within 5 km away from shore shall have no adverse impact on marine eco-system and on the shore. If, adverse impact is observed, the company should bring the DC on-shore for disposal in an impervious waste disposal pit.	*Not Applicable
8	The Company shall get analysed the drill cuttings generated from each well from any recognized laboratory for its characteristics and results be submitted to MOEF / CPCB / SPCB periodically	*Not Applicable
9	M/s ONGC are required to record daily discharge of DC & DF to Off-shore and also to monitor daily the effluent quality , and submit the compliance report once in every Six Months to MoEF	*Not Applicable
10	Company shall monitor the sea surface water quality in terms of oil content around the well and submit reports to Ministry on a monthly basis during the period of drilling operations	*Not Applicable
11	In case DC is associated with high oil content from hydrocarbon bearing formation then disposal of DC shall not have oil content > 10 gm/kg	*Not Applicable

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12	The DC wash water shall be treated to conform to limits notified under the Environment (Protection) Act, 1986 before disposal into sea. The treated effluent should be monitored regularly.	*Not Applicable
13	Barite used in preparation of DF shall not contain Hg > 1 mg/Kg & Cd > 3 mg/Kg	*Not Applicable
14	Should any, Environment friendly technology emerge for substitution of DF and disposal technology, it may be brought to the notice of MoEF and regulatory agencies. If the operator desires to adopt such environment friendly technology prior approval from MoEF shall be taken.	Shall be complied
15	In case SBM is to be used to mitigate specific hole problems in the formation, prior approval from the ministry should be obtained. While seeking approval, M/s ONGC should submit Toxicity Assessment Report as per mysid toxicity or toxicity test conducted on locally available sensitive sea species.	*Not Applicable
16	Treated waste water (Produced water or formation water or sanitary sewage) shall comply with the marine disposal standards (for Oil & Gas at < 40mg/l) notified under the environment (protection) Act, 1986.	*Not Applicable
17	Adequate infrastructure facilities shall be provided near the offshore installations so that booms and skimmers/chemical dispersants could be deployed immediately in case of oil leakage from the installation. Efforts shall be made to curtail the oil slick within 500 meters of the installation and accordingly, action plan and facilities to check the oil slick beyond 500 meters shall be provided.	Complied
18	The project proponent shall also comply with the environmental protection measures and safeguards recommended in the EIA/EMP/risk analysis report as well as the recommendations of the public hearing panel.	Complied
19	The three layer polyethylene coating for the pipeline shall be provided for protection against external corrosion and proper insulating joints shall be provided between the above ground and underground pipeline.	Complied
20	To prevent the pipeline from corrosion, cathodic protection by way of impressed current for the pipeline shall be provided. The pipeline shall be inspected between the above ground and underground pipeline.	Complied
21	The minimum distances of the pipeline from the habitation and other installations shall be strictly adhered as per the guidelines of oil industries Safety Directorate(OISD-139, 141)	Complied
B. GENERAL CONDITIONS		
1	The project authorities shall strictly adhere to the stipulations made by APPCB	Being complied
2	The project authority must strictly adhere to the stipulations made by the Central Government as part of any International Convention(s) or Merchant Shipping Act.	Being complied
3	No further expansion or modifications in the plant shall be carried out without prior approval of Ministry of Environment and Forest. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the	Shall be complied

 

	adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
4	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended on 3 rd October, 1994 and 6 th January, 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosive, Fire Safety Inspectorate etc. must be obtained/ treatment/ storage/ disposal of hazardous wastes.	Being complied
5	The Project Authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes (Management and handling) Rules, 2003, Wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous waste.	Complied
6	The overall noise levels in and around the rig area shall be kept well within the standards (85db) by providing noise control measures including acoustic hoods, silencers, enclosures etc, on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dba (day time) and 70 dba (night time).	Complied. Reports are attached as Annexure - I
7	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Being complied
8	The Project authorities shall provide requisite funds to implement the conditions stipulated by Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Being complied
9	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore/State Pollution Control Board/Central Pollution control Board. A six monthly compliance status report shall be submitted to the monitoring agencies.	Being complied
10	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 State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests 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.	Being complied.

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SV ENVIRO LABS & CONSULTANTS

(Environmental Engineers & Consultants in Pollution Control)

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Recognized by Govt.of India-MoEF & CC, New Delhi ,Accredited by: QCI-NABET for EIA



Ref: SVELC/ONGC-ODL/18-12/010

Date: 24-12-2018

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
EAST GODAVARI DISTRICT.

SAMPLE PARTICULARS : NOISE LEVEL INTENSITY

DATE OF COLLECTION : 14-12-2018

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		Method
		DAY	NIGHT	
1.	DG set area	72.8	68.2	IS:4954 – 1968 Noise Level Meter
2.	Crude oil pump area	72.6	68.6	
3.	Methanol injection area	70.6	67.5	
4.	Fire water pump area	71.2	67.8	
5.	OWS pump area	68.4	65.8	
6.	Near security office	64.1	60.8	
7.	Near administrative building	56.6	50.8	
8.	Near heater treater	66.2	58.1	
9.	Goma pump area	70.6	68.8	
STANDARDS		75.0	70.0	

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