



ONGC

EOA & HPHT Asset

**3rd Floor, Block 1, Logistics Park,
Vakalapudi. Kakinada - 533005**

No. ONGC/EOA/S1 VA Project/ 2024/2

Date: 11.11.2024

To,

1. Inspector General of Forests
Ministry of Environment, Forest and Climate Change
Integrated Regional Office (IRO)
Green House, Gopalareddy Road
Vijayawada- 520010, Andhra Pradesh
Email: iro.vijayawada-mefcc@gov.in

2. In-charge CPCB Zonal Office,
1st and 2nd Floors, A Block, Nisarga Bhavan,
7th D cross, Thimmaiah Road,
Shivanagar, Bengaluru, Karnataka – 560079
Email: zobangalore.cpcb@nic.in

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

Sub: Submission of Compliance for EC (Environmental Clearance) of Vashishta and S1 project of Eastern Offshore Asset, ONGC

Ref: EC of Vashishta and S1 project of Eastern Offshore Asset, ONGC vide Order No. J-110011/591/2012-IA II (I) dated 12.11.2015

Dear Sirs,

With reference to above, we herewith submit six monthly compliance report for EC (Environmental Clearance) of Vashishta and S1 project of Eastern Offshore Asset, ONGC for the period from 1st April 2024 to 30st September 2024 based on the inputs received from surface group.

With Regards,

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

(Geda Bhaskara Rao)

Head HSE, ONGC, Kakinada

11/11/2024

EC Compliance points according to Vashishta and S1 Project (ONGC) for the period 01st April 2024 to 30th September 2024.

S. No.	Condition	Present status
Specific Conditions		
1.	Gas produced during testing shall be flared with appropriate flaring booms. Flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. Stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/ CPCB guidelines	Flare system is designed as per OISD guidelines
2.	Only high Efficiency DG set with adequate stack height and modern emission control equipment and low sulphur clean diesel shall be used. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied
3	Total water requirement shall not exceed 85 m ³ /d (45 m ³ /d fresh water + 40 m ³ /d sea water) for offshore drilling and prior permission shall be obtained from the Competent Authority for the drawl of water. Only water based mud system shall be used	*Not applicable
4.	Produced water (65 m ³ /day) shall be treated in ETP. Treated produced water shall be disposed off through injection well as per CPCB/ MOEF guidelines	Complied
5.	Water based drilling mud shall be discharged to the sea after proper dilution as per E (P) Rules vide G. S. R. 546 (E) dated 30 th August, 2005.	*Not applicable
6.	The Company shall ensure that there shall be no impact on flora fauna due to drilling of wells in the offshore sea. The company shall undertake conservation measures to protect the marine animals/ biota in the region. The company shall monitor the petroleum hydrocarbons and heavy metals concentration in the marine fish species regularly and submit report to the ministry.	*Not applicable
7	Treated wastewater (Produced water or formation water) shall comply with the marine disposal standards notified under Environment (protection) Act 1986. Sewage treatment on board of the rig as per MARPOL regulation. Residual Chlorine shall not exceed 1 mg/l before disposal, Standards for injection produced water into confined hydrocarbon reservoir structure at more than 1000 m with oil in water content of less than 10 ppm shall be complied	Complied, report Attached in Annexure-I
8	The drill cutting (DC) wash water shall be treated to conform to limits notified under the Environment (Protection) Act, 1986, before disposal into the sea. The treated effluent shall be monitored regularly	*Not applicable
9	All guidelines shall be followed for the disposal of solid waste, drill cuttings and drilling fluids for onshore and offshore drilling operation notified vide GSR. 546 (E) dated 30 th August, 2005. Different types of wastes shall be kept segregated.	*Not applicable
10	High efficiency equipment shall be used to separate solids, hydrocarbons and water such as shale shakers with improved capacity to filter smaller solids, low shear pumps for use in produced water shall be employed.	Complied
11	Good book keeping practices shall be put in place to manage wastes such as waste tracking program i.e. identify where and when the waste generated, the type of waste and its volume, the disposal method and	Complied

S. No.	Condition	Present status
	its location, and the personnel responsible for the waste management.	
12.	A waste minimisation plan shall be developed and followed through proper inventory management following best practices in drilling operations, good housekeeping practices and optimised equipment maintenance schedules	*Not applicable
13.	Only essential rig personnel shall be on board the rig. Emergency Response Plan and Health, Safety and Environment (HSE) system shall be installed. Geo hazard and geotechnical studies shall be carried out to ensure safe drilling operations	*Not applicable
14.	All the hazardous waste generated at the rig/ offshore facility shall be properly treated, transported to onshore and disposed of in accordance with the Hazardous waste (Management, Handling and Transboundary Movement) Rules 2008. No waste oil shall be disposed off into the sea. Waste/ used oil shall be brought onshore and sold to MOEF/ CPCB authorized recyclers/ re-processors only.	*Not applicable
15	Requisite 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 installations. Effort 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 within 500 meters shall be provided	Complied
16	Approval of DG shipping under the Merchant Shipping Act prior to commencement of the drilling operations shall be obtained. At least 30 days prior to the commencement of drilling, the exact location shall be intimated to the Director General of shipping and the company shall abide by any direction he may issue regarding ensuring the safety of navigation in the area	*Not applicable
17	The international 'Good Practices' adopted by the Petroleum Industry viz international norms to safeguard the coastal and marine biodiversity shall be implemented by the company	Complied
18	The company shall take necessary measures to reduce the noise levels such as proper casing at the drill site and meet DG set norms notified by the MOEF. Height of all the stacks/ vents shall be provided as per the CPCB guidelines	Complied
19	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas/ oil shall be governed by ASME/ ANSI B 31.8/ B 31.4 and OISD standard 141.	Being Complied
20.	The project proponent shall also comply with the environmental protection measures and safeguards recommended in the EIA/ EMP/ RA/ NIO report	Being complied
21	Full drawings and details of Blow out preventer to encounter well kick due to high formation presence, if encountered, shall be submitted to the Ministry's Regional office within 3 months of the issue of environment clearance.	*Not applicable.
22	On completion of activities, the well shall be either plugged and suspended (if the well evaluation indicates commercial quantities of hydrocarbon) or killed and permanently abandoned with mechanical plugs and well cap. If well is suspended, it shall be filled with a brine	*Not applicable.

S. No.	Condition	Present status
	solution containing small quantities of inhibitors to protect the well. The position at the end of the activities shall be communicated in detail to the ministry indicating the steps taken i.e. whether all the wells are plugged or abandoned and necessary precautions taken.	
23	A brief report on environmental status and safety related information generated and measures taken as well as frequency of such reporting to the higher authority shall be submitted to this Ministry and its respective Regional office at Bangalore	Being complied
24	Petroleum and Natural Gas (Safety in offshore operations) Rules 2008 of OISD shall be strictly adhered to	Being complied
25	Recommendations mentioned in the risk assessment & consequence analysis and disaster management plan shall be followed	Being complied
26	Adequate funds both recurring and nonrecurring shall be earmarked to implement the conditions stipulated by the 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 purposes	Being complied
27	Concrete plan of action for Enterprise Social Responsibility consisting 5% of project cost shall be prepared in consultation with the District Authority and the local people and a mechanism for its monitoring should be worked out. Action plan shall be submitted to MOEF's RO office for monitoring	Being complied
28	All commitment made during Public Consultation held on 3 rd December, 2013 should be complied with.	Being complied
29	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority	Shall be complied
Specific conditions in respect of CRZ		
1.	Keeping in view the CRZ notification, 2011 which prohibits foreshore facilities in high eroding sites, the project shall not have any foreshore activity except laying of pipeline	Complied. No foreshore activities
2.	The pipeline routes shall be demarcated with floating buoys as indicators	Complied
3.	All the recommendations and conditions specified by Gujarat Coastal Zone Management Authority (GCZMA) vide letter no. 6555/ENV/CZMA/2013 dated 25.11.2013 shall be complied with	All the recommendations and conditions specified in AP coastal Zone management shall be complied
4.	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Being complied
General Conditions		
1.	The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board (APPCB), State Government and any other statutory authority	Complied
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In	Noted In case of deviations or

S. No.	Condition	Present status
	case of deviations or alterations 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.	alterations in the project proposal a fresh reference shall be made to the Ministry
3.	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 followed.	Complied
4.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Being complied Ambient air quality is being monitored on half yearly basis. Reports are attached as Annexure-II
5.	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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time)	Being complied. Noise levels are being monitored on half yearly basis. Reports are attached as Annexure-III
6.	The Company shall harvest the rainwater from the roof tops of the buildings and storm water drains to recharge ground water and use the same for the process activities of the project to conserve the fresh water	Being complied
7.	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	Being complied
8.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/ EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented	Being complied.
9.	The company shall undertake all relevant measures for improving the socio – economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration	Being complied
10.	The company shall undertake eco – developmental measures including community welfare measures in the project area for overall improvement of the environment	Being complied
11.	A separate Environment Management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring Functions	Being complied
12.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the 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 earmarked for environment management/ pollution control measures shall not be diverted for any other purpose	Noted Shall be complied
13.	A copy of the clearance letter shall be sent by project proponent to concerned <u>panchayat, Zila Parisad/ Municipal corporation, Urban local body and the local NGO</u> , if any, from whom suggestions/	Complied

S. No.	Condition	Present status
	representations, if any, were received while processing the proposal	
14.	The project proponent shall also submit Six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as e-mail) to the respective <u>Regional Office of MoEF, the respective Zonal Office of CPCB and APPCB</u> . A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of company.	Being complied
15.	The environmental Statement for each financial year ending 31 st March in Form – V as is mandated shall be submitted to the concerned <u>State Pollution Control Boards 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 clearance conditions and shall also be sent to the respective Regional Offices of MOEF by email</u>	Shall be complied, Annexure - IV
16.	The project proponent shall inform the public that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at www.moef.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 concerned Regional office of the Ministry.	Complied
17.	The 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 start of the project	Shall be complied



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Ref: SVELC/ONGC-ODL/24-08/09

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, G1/GS-15 Plant,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
EAST GODAVARI DISTRICT.

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : ETP OUTLET

DATE OF COLLECTION : 03-08-2024

TEST REPORT

S.NO.	PARAMETER	UNIT	RESULT
1.	Colour	Hazen	156
2.	pH	--	6.91
3.	Temperature	°C	28.8
4.	Total Dissolved Solids – TDS	mg/l	21530
5.	Total Suspended Solids – TSS	mg/l	60.0
6.	Chlorides as Cl ⁻	mg/l	12564
7.	Fluorides as F ⁻	mg/l	0.37
8.	Sulphates as SO ₄ ²⁻	mg/l	593
9.	COD	mg/l	229
10.	BOD 3d 27°C	mg/l	86.0
11.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	0.08
12.	Copper as Cu	mg/l	0.05
13.	Mercury as Hg	mg/l	<0.001
14.	Lead as Pb	mg/l	<0.01
15.	Zinc as Zn	mg/l	0.44
16.	Chromium as Cr ⁶⁺	mg/l	<0.1
17.	Total Chromium	mg/l	0.07
18.	Nickel as Ni	mg/l	<0.01
19.	Cyanide as CN	mg/l	<0.02
20.	Ammonical Nitrogen	mg/l	39.4
21.	Sulphide	mg/l	0.15
22.	Oil & Grease	mg/l	5.0


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Ref: SVELC/ONGC-VST/24-08/01

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, S1 VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR MAIN SECURITY GATE

DATE & TIME OF START : 02-08-2024@ 12:30 hr

DURATION OF SAMPLING : 24 Hours

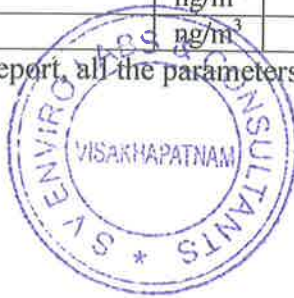
ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	66.4	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	30.2	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	15.0	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	16.9	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.60	2.0	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	14.1	100	IS :5182 (P-9)
7.	Lead as Pb	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia as NH ₃	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene as C ₆ H ₆	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo(a) pyrene(BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic as As	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel as Ni	ng/m ³	< 5.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.


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Ref: SVELC/ONGC- VST/24-08/02

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, SI VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR CONTROL ROOM

DATE & TIME OF START : 02-08-2024@ 13:00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	58.3	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	23.9	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	12.5	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	14.2	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.55	2.0	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	12.4	100	IS :5182 (P-9)
7.	Lead as Pb	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia as NH ₃	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene as C ₆ H ₆	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo(a) pyrene(BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic as As	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel as Ni	ng/m ³	< 5.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.


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Ref: SVELC/ONGC- VST/24-08/03

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, S1 VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR SLUG CATCHER AREA

DATE & TIME OF START : 02-08-2024@ 13:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	63.2	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	28.6	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	14.3	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	15.9	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.58	2.0	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	13.1	100	IS :5182 (P-9)
7.	Lead as Pb	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia as NH ₃	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene as C ₆ H ₆	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo(a) pyrene(BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic as As	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel as Ni	ng/m ³	< 5.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.


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Ref: SVELC/ONGC- VST/24-08/04

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, S1 VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR FLARE AREA

DATE & TIME OF START : 02-08-2024@14.00 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	62.9	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	27.2	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	13.1	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	15.4	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.60	2.0	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	12.6	100	IS :5182 (P-9)
7.	Lead as Pb	µg/m ³	< 0.01	01	IS:5182 (P-22)
8.	Ammonia as NH ₃	µg/m ³	< 20	400	IS:5182 (P-25)
9.	Benzene as C ₆ H ₆	µg/m ³	< 0.5	05	IS 5182 (P-11)
10.	Benzo(a) pyrene(BaP)	ng/m ³	< 0.5	01	IS 5182 (P-12)
11.	Arsenic as As	ng/m ³	< 5.0	06	CPCB Guidelines
12.	Nickel as Ni	ng/m ³	< 5.0	20	IS:5182 (P-26)

Remarks: As per the above report, all the parameters are within the NAAQ Standards.


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Ref: SVELC/ONGC-VST/24-08/09

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, S1 VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

DATE OF SAMPLING : 02-08-2024

DURATION OF SAMPLING : 08 Hours

TEST REPORT

S.No	Source of Collection	Unit	Total VOC	Method
1.	Near ETP Area	ppm	<0.5	Portable Analyzer
2.	Near Security Gate	ppm	<0.5	
3.	Near GDU Area	ppm	<0.5	

CHECKED BY



AUTHORIZED SIGNATORY



SV ENVIRO LABS & CONSULTANTS

(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.
Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.
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Ref: SVELC/ONGC- VST/24-08/08

Date: 09-08-2024

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
EASTERN OFFSHORE ASSET, S1 VASHISTA,
Odalarevu village, Allavaram Mandal, Amalapuram Division,
East Godavari District.

SAMPLE PARTICULARS : NOISE LEVEL INTENSITY

DATE OF COLLECTION : 03-08-2024

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		Method
		DAY	NIGHT	
1.	Near Fire Pump House	67.3	62.1	IS:4954 – 1968 Noise Level Meter
2.	Near Process Gas Area	66.1	60.4	
3.	Near Slug Catcher area	64.4	58.8	
4.	Near Air Compressor	68.6	62.7	
5.	Near Refrigeration pack	64.8	59.6	
6.	Near GTG area	69.3	63.2	
7.	Near DG Area	67.5	62.1	
8.	Near Hot Oil pump	66.2	60.9	
9.	Near M.R.U	62.9	59.6	
CPCB STANDARDS		75.0	70.0	



[FORM – V]

Environmental Statement for the financial year ending the 31st March, 2024PART – A

(i) Name and address of the owner/occupier of the industry operation or process.	M/s Oil and Natural Gas Corporation Ltd., Eastern Offshore Asset, Odalarevu Village, Amalapuram Taluka, East Godavari District, Andhra Pradesh.
(ii) Industry category Primary STC code Secondary SIC Code	Red
(iii) Production category, Units	<ul style="list-style-type: none"> • Oil - 9381.8 MT • Gas - 689.2 MMSCM
(iv) Year of establishment	2011
(v) Date of the last environmental statement submitted	01.08.2023

PART – B**Water and Raw Material Consumption**

(1) Water consumption M3/day:

Process	:	Nil
Cooling	:	Nil
Domestic	:	40 m ³ /day

Name of Products	Process water consumption per unit of product output	
	During the previous financial Year	During the Current financial Year
Crude oil	Nil	Nil
Natural Gas	Nil	Nil

(2) Raw Material Consumption

Name of the materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial Year	During the Current financial Year
Nil	Crude oil	Nil	Nil
	Natural Gas	Nil	Nil

- Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART - C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
Water	25 KLD (trade effluent) and 40 KLD (Domestic Effluent)	1) Oil and Grease – 6.0 mg/l 2) TSS- 73 mg/l	0
Air		1) PM ₁₀ - 70.6 µg/m ³ 2) PM _{2.5} – 32.8 µg/m ³ 3) SO ₂ - 16.2 µg/m ³ 4) NO _x - 18.3 µg/m ³ (In plant near S1 VA Main Security Office)	0

PART – D

Hazardous Wastes

(As specified under Hazardous Waste Management and Handling Rules, 2016)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year (2022-23)	During the current Financial year (2023-24)

From process	• Used oil – 42.5 KL	• Used oil – 35.2 KL
From Pollution Control Facilities	Nil	Nil

PART – E
Solid Wastes

Solid Waster	Total Quantity (Kg.)	
	During the previous Financial Year (2022-23)	During the current Financial year (2023-24)
From process	Lead Acid Batteries- 44 Ni – Cd Batteries- Nil Filters – Nil	Lead Acid Batteries- Nil Ni – Cd Batteries- Nil Filters – Nil
From Pollution Control Facilities	Nil	Nil
Quantity recycled or re-utilized within the unit.	Lead Acid Batteries- Nil Ni – Cd Batteries- Nil Filters - Nil	Lead Acid Batteries- Nil Ni – Cd Batteries- Nil Filters - Nil

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Used oil is being spiked into the crude oil process.
2. Ni-Cd batteries shall be taken back by supplier under buyback policy.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

1. Green belt developed
2. ETP

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution

1. Regular monitoring of air, water and environment conditions within and outside the plant premises

PART – I

Any other particulars for improving the quality of the environment: Nil

Signature *Prabal Sengupta*
10/7/24

Designation



PRABAL SENGUPTA
GGM (Prod.)-Surface Manager
EOA & HPHT Asset
ONGC, Kakinada