



ONGC

EOA & HPHT Asset

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

No. ONGC/EOA/CRZ PLQP OGT/ 2025/1

Date: 27.01.2026

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,
Central Pollution Control Board
Second Floor, 77-A, South Avenue Road,
Ambattur Industrial Estate, Chennai,
Tamilnadu-600058
Email: rdchennai.cpcb@nic.in
1. The Environmental Engineer
A.P. Pollution Control Board
Regional Office, Kakinada
Andhra Pradesh - 533005
Email: rokdd-ee1@appcb.gov.in

**Sub: Submission of Compliance for CRZ clearance of PLQP OGT project of HPHT Asset,
ONGC**

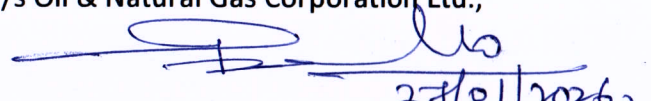
Ref: CRZ Letter F. No. 11-21/2013-IA.III, dated 01.01.2014

Dear Sirs,

With reference to above, we herewith submit six monthly compliance report for CRZ Clearance of PLQP and HPHT of HPHT Asset, ONGC for the period from 1st April 2025 to 30th Sept 2025 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

CRZ Compliance Report

Name of Project	CRZ Clearance for Onshore Gas Terminal at Mallavaram setting up of Process cum Living Quarter Platform at Offshore in KG-OSN2001/03, Andhra Pradesh and laying of 20" underground Gas Pipeline along with OFC and 10" effluent disposal pipeline passing through CRZ area of Yanam, Puducherry
File Reference	CRZ Letter F. No. 11-21/2013-IA.III
Reporting Period	April 2025 to Sept 2025

A. SPECIFIC CONDITION:

Sr. No.	Specific Conditions	Compliance status
i.	Consent for establishment" shall be obtained from Andhra Pradesh and Puducherry State pollution control Board/Committee under air and water act and a copy shall be submitted to the regional office of this ministry at Bangalore before start of any construction work at the site.	Complied. Copies of CFE are attached as Annexure-1.
ii.	The mitigation measures proposed in the environment management plan / disaster management plan for the leak detection, DG set Emission; offshore safety etc. should be strictly adhered to.	The mitigation measures are integrated in the operations. Requisite measures have been taken to control emission of Hydrocarbons (HC) which include the following: • HC sensors are installed at strategic locations throughout the process plant, GTG-1 & 2 to detect the HC emission and alarm generation in the Control room. • The Vapor Recovery system (VRS) has been designed to keep the concentration of residual hydrocarbon vapours vented to the atmosphere under statutory limits. • Adequate stack height has been provided for DG sets and GT stack for proper dispersion of emissions.

		Low NO_x burner has been provided at GT stack for reducing the NO_x concentration.
iii.	The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA (supervisory control and data automation) system. Any leakages in the pipeline shall be detected by the computer system and product pumping shall be immediately cut off.	The pipeline pressures are monitored continuously and leaks if any are detected by pressure drop of pipelines in the process systems through SCADA. In case of any leak, product pumping will be cut off. Pipeline will be isolated immediately.
iv.	Prior clearance from NBWL shall be obtained in view of Coringa wildlife sanctuary located at the distance of 2.5 km.	The pipeline from Offshore platform to OGT, wildlife clearance has been obtained from the national board for wildlife. Copy attached in annexure 2.
v.	Horizontal directional drilling (HDD) for length of 280 m to cross Neelapalli channel shall be carried out as committed during the meeting.	Complied. Horizontal directional drilling (HDD) was used during construction stage.
vi.	Oil spill contingency management plan should be followed.	Oil spill contingency management plans is prepared for implementation.
vii.	EAC (Ind) shall take care of other environmental parameters associated with the proposal including the pollution control, when the proposal is submitted for the appraisal.	MoEF accorded EC vide letter No: J11011/415/2007-IA-II (I) dated the 8 th September, 2008 contains the said provisions. The conditions are mentioned in the EC and being complied.
viii.	All the recommendations of risk assessment and disaster management shall be complied with.	Recommendations are implemented during project construction phase.
ix.	All the recommendations and conditions specified by Andhra Pradesh Coastal Zone Management Authority (APCZMA) and Puducherry Coastal Zone Management Authority (PCZMA) shall be complied with.	Complied, the recommendations and conditions specified by APCZMA and PCZMA.
x.	There shall be no disposal of waste into the coastal area. All the solid waste shall be handled as per the solid waste (Management and Handling) Rules, 2000.	- Any oily sludge, if generated, will be subjected to bioremediation. - Waste oil spiked into gas condensate for reuse. - Old Used batteries shall be taken back by supplier under buyback policy.

		Records of hazardous wastes (FORM 3) submitted to APPCB is attached in annexure 3. Waste will be managed in accordance with the Solid Waste (Management and Handling) Rules, 2000.
xi.	There shall be no ground water drawl within CRZ area.	Surface water is solely being used for the plant operations. Therefore, no ground water is withdrawn within CRZ area.
xii.	Construction activity shall be carried out strictly as per 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.	Complied.
xiii.	The storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the capacity of storm water drainage.	Storm water channels are constructed throughout the plant periphery taking into account the general slope of the site.
xiv.	Oil and contingency plan shall be put in place.	Oil spill contingency plan is made and available.
xv.	All the recommendations of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.	The recommendations are being complied and half yearly compliance reports are submitted to RO - MoEFCC regularly.
xvi.	Provision shall be made for 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, crèche etc. the housing may be in the form of temporary structures to be removed after completion of the project.	Complied during construction phase.
xvii.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be	Complied during construction phase.

	disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	
xviii.	Norms of Oil Industry Safety Directorate shall be followed in respect of storage and transport of Oil.	OISD standards and guidelines are being followed for storage and transfer of condensate (OISD 116).
xix.	Monitoring of Volatile Organic Compounds (VOC) shall be carried out regularly.	VOC are monitored regularly through a continuous monitoring system at three locations in the site and also by authorized agency. Data is submitted to the State APPCB and MoEF&CC in the six monthly reports. CAAQ and authorized third party AAQ monitoring report is attached as Annexure -4.
xx.	The smooth and safe operation of the system shall be ensured by incorporating a computerized SCADA (supervisory control and data automation) system. Any leakages in the pipeline shall be detected by the computer system and product pumping shall be immediately cut off.	SCADA system is available and integrated in the control room operations for detection of any leaks. The pipeline pressures are monitored continuously and leaks if any are detected by pressure drop of pipelines. No leak is observed as of date. In case of any leak, product pumping will be cut off.
xxi.	Necessary signage's shall be installed in both English and Local languages wherever the pipeline is passing.	Signage's have been installed in English and local language along the pipeline route.
xxii.	Soil and water samples shall be regularly monitored along the pipeline route to check the leakage/contamination, if any and shall be examine if any strengthening is required.	Pipeline route is monitored regularly by physical observations and monitoring of pressures in the system through automation. No such episode of leakage and contamination took place till date.
xxiii.	It shall be ensured that there is no disturbance to people, houses or fishing activity as a result of the project.	Pipelines are laid away from the habitats and no disturbance was caused during and after laying the pipelines.
xxiv.	No construction work other than those permitted in coastal regulation zone notification shall be carried out in coastal regulation zone area.	Complied.
xxv.	Under Corporate Social Responsibilities (CSR), sufficient	Being complied. CSR activities are undertaken through local administration to

	budgetary provision shall be made for health improvement, education, water and electrical supply etc. in and around the project.	improve socio-economic condition of the community. Brief of CSR activities is attached as Annexure-3
xxvi.	The project proponent shall set up separate environment management cell for effective implementation of the stipulated environmental safeguards under the provision of a senior executive.	Health, Safety and Environment group is in place with a dedicated Environmental Officer for effective implementation of the stipulated environmental safeguards.
xxvii.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Budget allotted for maintenance of green belt, Safety Audit, firefighting equipment, promotional activities environmental monitoring, Lifesaving equipment's, waste management etc.
xxviii.	Package sewage treatment plant should be installed at the site and should be certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Treatment of 100 % grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to norms and standards of the central pollution control board. Necessary measures should be made to mitigate the odour problems from STP.	A sewage treatment plant is installed in the site for treatment of domestic wastewater and the treated water, after conforms the prescribed limit, is used for green belt inside the plant premises. No water is discharged to outside. STP inlet and outlet monitoring report is attached as Annexure – 5
xxix.	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Solid wastes are disposed off after segregation. Hazardous wastes are being disposed in authorized land fill site.
xxx.	Noise should be controlled to ensure that it does not exceed the prescribed standard. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise levels are being monitored in the site and the noise levels during night are within the permissible levels. Noise monitoring report is attached as Annexure – 6.

B. GENERAL CONDITIONS:

Sr. No.	General conditions	Compliance status
i	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied during project construction stage.
ii	Full support shall be extended to the officers of this Ministry/Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Noted and complied with concern regional office.
iii	A six monthly monitoring report shall need to be submitted by the project proponents to the regional office of this ministry at Bangalore regarding the implementation of the stipulated conditions.	Half yearly compliance report is being submitted to the regional office.
iv	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Noted.
v	The ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the ministry.	Noted and agreed upon.
vi	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	Noted and agreed upon.
vi	The project proponents shall inform the regional office as well as the Ministry, the date of financial closure and final	Noted.

	approval of the project by the concerned authorities and the date of start of land development work.	
vii	Andhra Pradesh and Puducherry State Pollution Control Board/ Committee shall display a copy of the clearance letter at the Regional office, District Industries Center and Collector's office / Tehsildar's office for 30 days.	Already complied by APPCB and (Puducherry Pollution Committee).
7	These stipulations would be enforced among others under the provisions of water (prevention & control of pollution) act, 1974, and air(prevention and control of pollution) act, 1981, the environment (protection) act, 1986, the public liability(insurance) act, 1991, and EIA notification 1994, including the amendments and rules made thereafter	Noted and will be complied.
8	All the statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire dept., civil aviation department, forest conservation act, 1980 and wildlife protection act, 1972 etc shall be obtained, as applicable by project proponents from the respective competent authorities.	Requisite clearance has obtained.
9	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ clearance and copies of the clearance letters are available with the Andhra Pradesh and Puducherry state pollution control board/committee and may also be seen on the website of the ministry of Environment and forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the	Complied.

	date of receipt of the clearance letter and a copy of the same should be forwarded to the regional office of this ministry at Bangalore.	
10	This clearance is subject to final order of the Hon'ble supreme court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (civil) No. 460 of 2004 as may be applicable to this project	Noted
11	Any appeal against this 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
12	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Complied. The clearance status has been uploaded on the company's website.
13	A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, urban local body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Noted and complied. The clearance letter is uploaded in the website.

14	The proponent shall upload the status of compliance of the stipulated clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to regional offices of MoEF, the respective zonal office of CPCB and the SPCB.	Complied. The six monthly compliance report has been uploaded on the company's website.
15	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective regional office of MoEF, the respective zonal office of CPCB and the SPCB.	Half yearly CFO compliance submitted to APPCB are attached in annexure 7 .
16	The environment statement for each financial year ending 31 st March in form V as is mandated to be submitted by the project proponent to the concerned state pollution control board/committee as 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 clearance conditions and shall also be sent to the respective regional office of MoEF by email.	Noted and being complied. Environment Statement for the year ending 31 st March 2017 has been submitted and the same is uploaded on the company's website. Environment Statement is attached as Annexure – 8.



REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No.323 /PCB/CFE/RO-KKD/HO/2010

Dt.28.02.2011.

Sub: PCB - CFE - **M/s. Gujarat Sate Petroleum Corporation Limited,, Deen Dayal Development Project (KG-OSN-2001/3 block - NEPL-III), R.Sy.No 2, . 632/3, 643/3, 643/6 & 7, 644/4, 651/3 to 36 and 651/55, Mallavaram (V), Tallarevu (M), East Godavari District - Consent for Establishment of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.**

- Ref:
- 1) Environmental Clearance dt. 8.9.2008 issued by MOE&F, GOI
 - 2) Industry's application received through SWCC on 22.4.2010
 - 3) R.O's inspection report dt. 17.5.2010
 - 4) CFE Committee meeting held on 26.8.2010
 - 5) T.O. Letter dt.15.9.2010.
 - 6) Industry's letter dt. 17.9.2010.
 - 7) CFE Committee meeting held on 28.10.2010.
 - 8) T.O. letter dt. 3.11.2010.
 - 9) Industry's letter dt. 04.01.2011.

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for the following activities/ products with a project cost of Rs. 3,000 Crores.

a. Activities:

S.No.	Activity
1.	Installation of Off Shore un-manned Well Head Platform (WHP)
2.	Development of 15 No. of drilling wells for Gas Exploration
3.	Laying of Off Shore Pipeline (Sub-sea) for a length of 21.532 Km from WHP to Land Fall Point (LFP)
4.	Laying of onshore pipeline of 3.5 Km (partly) from Land Fall Point (LFP) to On Shore Gas Terminal (OGT)
5.	Establishing Onshore Gas Terminal (OGT)
6.	Condensate storage unit

b. Products:

S.No	Product	Capacity
1.	Natural Gas	240 MMSCFD
2.	Captive Power	4.0 MW
By-product		
1.	Condensate	480.0 MT/day
2.	Sulphur	0.980 TPD

2. As per the application, KG – 8 well is proposed at 16°40' 09.59" N and 82° 24' 43.24" E and the proposed 15 No. of Development Drilling wells for gas exploration will be developed by horizontal directional drilling techniques from KG - 8 well. The Onshore Gas Terminal (OGT) is to be located at R.Sy.No 651/3 to 36, Mallavaram (V), Tallarevu (M), East Godavari District in an area of 108.25 Acres.
3. The location of proposed OGT site was inspected by the Environmental Engineer & Asst. Environmental Engineer, Regional office, Kakinada , A.P Pollution Control Board on 14.5.2010 and found that the site is surrounded by

North : Coconut plantation, Jallaram Channel followed by vacant land
South : Vacant lands followed by Yanam Road.
East : Open land with gas pipe line belongs to RIL followed by RIL facilities and Yanam Road.
West : Grant Village road and followed by Agricultural Land.

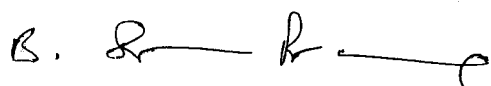
4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT** to your activity Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at para (1) only.**
5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

To
M/s. Gujarat State Petroleum Corporation Ltd.,
Deen Dayal Development Project,
(KG-OSN-2001/3 block – NEPL-III),
GSPC Bhavan, Behind Udyog Bhavan,
3rd floor, Sector – 11, Gandhinagar,
Gujarat – 382010.

/// T.C.F.B.O///


JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

SCHEDULE - B

Water:

1. The source of water is Godavari river water through Irrigation canal at Tallarevu. The maximum permitted water consumption is 47.0 KLD.

Sl. No	Purpose	Quantity (KLD)
a)	Process	5.0
b)	Utilities	10.0
c)	Cooling water	20.0
d)	Sanitary	2.0
e)	Potable	5.0
f)	Gardening	5.0
	Total	47.0

2. The maximum Waste Water Generation (KLD) shall not exceed the following:

S. No	Purpose	Quantity (KLD)
a)	Produced water	600.0
b)	Process effluent & floor wash	10.5
c)	Cooling tower blow down	8.0
d)	Sanitary	1.5
	Total	620 KLD

Treatment & Disposal :

Source of Effluent	Treatment facilities	Mode of final disposal
Produced water, Process effluent & floor washings.	ETP consisting of collection tank, equalization tank, TPI separator, Dissolved air floatation (DAF) Block consisting of flash mixing tank, Flocculation tank, DAF tank and saturation vessel, Oil Water Separator (OWS), Dual Media Filter (DMF), Thickener & Guard pond.	Into Sea through marine outfall (DP-O) located at 16° 43' 55" N and 82° 21' 30"E. (As per the proponent letter date.04.01.2011)
Cooling tower blow down.	Oil Water Separator (OWS), Dual Media Filter (Sand & Activated carbon Filters) followed by guard pond.	
Domestic effluents	Sewage Treatment Plant (STP)	To use for greenbelt development within the premises.

3. The Effluent Treatment Plant (ETP) & Sewage Treatment Plant (STP) shall be constructed and commissioned along with the commissioning of the activity. All the units of the ETP & STP shall be impervious to prevent ground water pollution.
4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
- Industrial cooling.
 - Domestic purposes.
 - Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
5. The proponent shall adopt chemical treatment followed by oxidation for ex-SRU effluents. After complete detoxification for removal of traces of sulphur, it shall be transferred to Oil Water Separator (OWS) basin for further treatment.
6. The process effluents and produced water shall treated for marine discharge standards and the domestic effluents shall be treated to the on land for irrigation standards as stipulated under Schedule - VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments

7. The proponent has reported that the treated process effluents will be disposed off into sea at an identified marine out fall as mentioned in the E.C. issued by MoEF, GoI. The proponent shall install online monitoring system for the purpose of monitoring of treated effluents continuously for the prescribed parameters to be monitored prior to disposal. The consolidated monitoring data shall be submitted regularly to R.O., APPCB every month. The location of the continuous monitoring points shall be fixed in consultation with R.O., APPCB, Kakinada.

Air:

8. The proponent shall comply with the following for controlling air pollution.

S. No	Details of Stack	Stack 1	Stack 2
a)	Attached to	Diesel Generator	Flare stack
b)	Capacity	4 MW	23,620 m ³ *
c)	Fuel	Gas	Gas
d)	Stack height	30 m	80 m
e)	Diameter	1.5 m	2.0 m
f)	Control Equipment	--	--
g)	Conc. of pollutants	NO _x – 100 ppm	NO _x – 30 ppm

* The quantity of flare gas shall not last more 5 minutes.

9. The proponent shall install requisite air pollution control equipment to control process emissions including from the following sources to achieve compliance of emissions standards. The proponent shall install continuous online monitoring system for various pollutants viz., Hydro Carbons, H₂S, SO₂, CO & NO_x etc.

Sl. No.	Description
1.	Gas Sweetening unit (GSU)
2.	Gas Dehydration Unit (GDU)
3.	Dew Point Depression Unit (DPDU)
4.	Condensate stabilizing unit (CSU)
5.	Sulphur Recovery unit (SRU)

10. The guidelines for discharge of gaseous emissions including flare stack and the stack height shall be adequate as stipulated by MoEF, GoI at S.No. 72(b) of Schedule – I of E(P) Rules, 1986 and amended thereof.
11. The proponent shall ensure adequate care for installation of flare tip for completion combustion of flare gases and to avoid any soot generation. The quantity of flaring gas shall not less than 5 minutes.
12. Monitoring of Hydrocarbon concentration in the ambient air and methane shall be under taken and monitoring data shall be regularly submitted to Regional office, APPCB, Kakinada.
13. The proponent shall install Blow Out Preventer (BOP) system to prevent well blow outs during drilling operations.
14. The proponent shall install low NO_x burners in the power generating unit.

15. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
16. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
17. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

Solid Waste:

18. The proponent shall comply with the following:

Sl. No	Solid Waste generated from	Quantity	Method of Disposal
1)	Waste Oil	50 KL/annum	To dispose to authorized oil re-processors.
2)	ETP Sludge	100 Kg/day	To dispose to TSDF
3)	Drill cuttings	SOBM – 375 MT/Well & WBM – 100 MT/well	SOBM – to dispose to authorized agency. WBM – to dispose into sea after treatment.
4)	Used Lead Acid Batteries	100 Nos./year	To Return to supplier on Buy Back basis

19. The following rules and regulations notified by the MOE&F, GOI shall be implemented.
 - a) Hazardous waste (Management, Handling and Transboundary), Rules, 2008.
 - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - c) The Chemical Accidents (Emergency Planning, Preparedness) Rules, 1996.
 - d) Batteries (Management & Handling) Rules, 2010.

Other Conditions:

20. Thick Green belt shall be developed along the boundary of the OGT activity.
21. The proponent shall under take development of gas exploration drilling wells by Horizontal Directional Drilling Technique only as per E.C. obtained from MoE&F, GoI.
22. The proponent shall use Water Based Mud (WBM) for drilling operations to the maximum extent possible. Synthetic Based Mud (SBM) can be used only in case of formation problems. In case of usage of SBM, Oil Based Mud (OBM) with low toxicity only shall be used. Drilling mud shall be completely recycled and securely reused.
23. The unusable drilling mud at the end of drilling operations for each well shall be dewatered by flocculation and allowed for evaporation of the water phase in the mud. The solids remaining shall be disposed to TSDF.

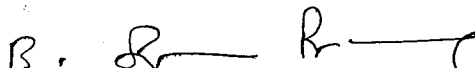
24. Drilling cuttings shall be separated from the mud through shale shakers and with high pressure water gun. The drill cuttings after treatment shall be stored in a collection pit. At the end of drill operations, the drill cuttings shall be tested for hazardous waste constituents and disposed to TSDF.
25. Synthetic Based Mud as & when used as drilling mud, the drill cuttings shall be separated and stored after treatment in the solid control systems and shall under take centrifuge to recover SBM to minimize SBM sticking to the drill cuttings and then dried in an incinerator to remove adhered SBM on the drill cutting surface. The incinerated residue shall be sent to TSDF only.
26. The industry shall restore the drilling site to the original condition at the end of the drilling operations by clearing all the debris that may gather at the site.
27. The proponent shall strictly implement the procedures recommended in the Disaster Management Plan for blowout or fire accidents and also indicate the improvements proposed in implementation of the project to reduce the risk and disaster.
28. Industry shall strictly follow the environmental monitoring schedule as committed in the EIA report.
29. The guidelines issued by MoE&F, GoI vide notification dt.30.8.2005 for disposal of solid waste, drill cuttings and drilling fluids for onshore and off shore drilling operations shall be strictly implemented.
30. On completion of each exploratory well, the industry shall submit the details to the Board about the Hazardous waste generated and its disposal.
31. During the exploratory drilling, the actual mud flume shall be monitored for heavy metal concentration at quarter and full length of model flume length. The monitoring shall be carried out once a week.
32. Cold venting of gases never be resorted to and all the gaseous emission are to be flared.
33. The chemical analysis reports of various chemicals used for drilling including the drilling fluid shall be reported to the R.O., APPCB, Kakinada.
34. The industry shall submit contingency plan for H₂S release if encountered during drilling operations along with details of personal H₂S detectors provided to workers.
35. The proponent shall undertake ground and aerial patrolling on periodical basis along the pipeline. Mock drills shall be conducted at least twice a year.
36. The onshore pipeline shall be laid at a minimum depth below the ground level as per OISD guidelines.
37. SCADA monitoring system shall be installed for onshore pipeline.
38. The proponent has informed that the temperature of the fluid discharge into sea shall not be more than 5°C than the ambient sea water temperature. The proponent shall furnish the protocol for monitoring of ambient sea water temperature and fluid discharge temperature for every discharge. The consolidated details shall be submitted to Board regularly.
39. Fire fighting facilities in case of any blow out or any occurrence of fire accidents shall be provided as per Oil India Safety Directorate (OISD) norms. Details of the fire fighting facilities shall be furnished to the PCB.

40. The proponent shall ensure that the alienation of pipeline route from WHP to LFP shall be within the boundary of KG Block. The approval obtained on alignment of pipeline route from competent authorities shall be submitted to R.O., APPCB, Kakinada before commencing construction activity.
41. The proponent shall carryout bio-diversity study during and after drilling operation by a recognized organization. The bio-diversity study around drilling operations prior to commencing actual operations shall be carried out and the same shall be recorded in the trend analysis for developing & post drilling operations.
42. The proponent shall under take requisite measures for regular monitoring of sea surface water quality in terms of oil content around the wells and impacts of drilling fluid & drilling mud on the biota. The consolidated monitoring reports shall be submitted report to R.O., APPCB, Kakinada every month.
43. The proponent shall submit the details of preventive maintenance planned along with budgetary allocations for control of fugitive emissions of Hydrocarbons from various process operations.
44. The recommendations / commitments made during the Public Hearing held on 17.05.2008 at Mallavaram (V), E.G. District shall explicitly be followed from Pollution Control point of view.
45. The industry shall comply with all the conditions stipulated in the Environmental Clearance dt. 8.9.2008 issued by MOE&F, GOI.
46. The proponent shall submit copy of clearance/ approvals under CRZ Notification for activities proposed in the project to the Board before commencing construction activity.
47. The proponent shall comply with all the directions issued by the Board from time to time.
48. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
49. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.

Sd/-
MEMBER SECRETARY

To
M/s. Gujarat State Petroleum Corporation Ltd.,
Deen Dayal Development Project,
(KG-OSN-2001/3 block – NEPL-III),
GSPC Bhavan, Behind Udyog Bhavan,
3rd floor, Sector – 11, Gandhinagar,
Gujarat – 382010.

/// T.C.F.B.O///


ENVIRONMENTAL ENGINEER (CFE)



REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No.323 /PCB/CFE/RO-KKD/HO/2014 1159

Dt.09.08.2014

Sub: PCB - CFE - M/s.Gujarat Sate Petroleum Corporation Limited, Deen Dayal Development Project (KG-OSN-2001/3 block - NEPL-III), R.Sy.No. 632/3, 643/3, 643/6 & 7, 644/4, 651/3 to 36 and 651/55, Mallavaram (V), Tallarevu (M), East Godavari District - Consent for Establishment (expansion of Onshore facilities) of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

Ref:

- 1) Environmental Clearance dt. 8.9.2008 & Corrigendum to Environmental clearance dt. 19.02.2009 issued by MOE&F, GOI
- 2) CRZ Clearance dt. 01.01.2014 issued by MOE&F, GOI
- 3) Industry's application received through SWCC on 22.04.2014
- 4) R.O's inspection report dt.22.05.2014
- 5) Industry's letter dt.07.08.2014

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion of Onshore facilities with following activities/ products with an additional investment of Rs. Rs.487.8 crores (Total project cost of Rs.8706 crores).

S. No.	Details	Existing	Additional Quantity proposed	Total
Products				
1.	Natural Gas	240 MMSCFD	0	240 MMSCFD
2.	Captive Power	4 MW	15 MW	19 MW
By-products				
1.	Condensate	480.0 MT/day	296 MT/day	776.0 MT/day
2.	Sulphur	0.980 TPD	0	0.980 TPD

The following process units are envisaged in the project.

Sl. No.	Description
1.	Gas sweetening unit (GSU)
2.	Gas Dehydration unit (GDU)
3.	Dew Point Depression Unit (DPDU)
4.	Condensate Stabilizing Unit (CSU)
5.	Sulphur Recovery Unit (SRU)

2. As per the application, the above activity is to be located within the existing premises located at R.Sy.No. 632/3, 643/3, 643/6 & 7, 644/4, 651/3 to 36 and 651/55, Mallavaram (V), Tallarevu (M), East Godavari District in an area of 690440 Sq. mtrs.

2. The location was inspected by the Environmental Engineer & Asst. Environmental Engineer, Regional office, Kakinada, A.P Pollution Control Board on 26.04.2014 and observed that the site is surrounded by

North : Coconut plantation, Jallaram Channel followed by vacant land
South : Open land with gas pipe line belongs to RIL followed by RIL facilities and Yanam Road.
East : Grant Village road and followed by Agricultural Land.
West : Vacant lands followed by Yanam Road.

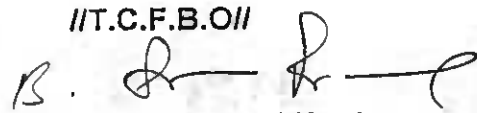
4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT FOR EXPANSION** to your activity Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to the activity as mentioned at para (1) only.
5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

To
M/s. Gujarat State Petroleum Corporation Ltd.,
Deen Dayal Development Project,
(KG-OSN-2001/3 block – NEPL-III),
GSPC Bhavan, Behind Udyog Bhavan,
3rd floor, Sector – 11, Gandhinagar,
Gujarat – 382010.

//T.C.F.B.O//


Joint Chief Environmental Engineer
(Unit Head – II)

B. S. Srinivas
12/8

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

SCHEDULE - B

Water:

1. The source of water is Godavari river water through Irrigation canal at Tallarevu. The maximum permitted water consumption after expansion is 8880 KLD.

S. No.	Purpose	Quantity (KLD)
1.	Process	370
2.	Washings	60
3.	DM Plant & Boiler feed	3350
4.	DM Plant regeneration	250
5.	Cooling makeup	3480
6.	Domestic / Canteen	100
7.	Gardening / irrigation	790
8.	Fire water requirement	480
	Total	8880 KLD

2. The maximum Waste Water Generation (KLD) shall not exceed the following after expansion:

S. No.	Source	Quantity (KLD)
1.	Process from flare system and SRU (including scrubber liquid)	370
2.	Contaminated Rain water collected through Rain Water sewer for first 30 min.	1060
3.	Washings	60
4.	DM Plant regeneration	250
5.	Boiler blow down	200
6.	Cooling Bleed off	600
7.	Domestic	80
	Total	2620 KLD

Treatment & Disposal :

Source of Effluent	Treatment	Mode of final disposal
Process & Washings	Proposed ETP (3120 KL capacity)	After treatment and attaining Board standards, GSPC proposed to dispose through marine outfall at 16°42.240 N & 80°17.816 E as per recommendation of NIO.
DM Plant regeneration	Neutralization tank	
Boiler blow downs and Cooling bleed off	Dual media filter (Sand & Activated carbon)	
CATSOL (Scrubber liquid)	Proposed ETP	
Domestic	Sewage treatment Plant is part of proposed ETP	

3. The Effluent Treatment Plant (ETP) & Sewage Treatment Plant (STP) shall be constructed and commissioned along with the commissioning of the activity. All the units of the ETP & STP shall be impervious to prevent ground water pollution.
4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a) Industrial cooling, boiler feed.
 - b) Domestic purposes.
 - c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
5. The proponent shall adopt chemical treatment followed by oxidation for ex-SRU effluents. After complete detoxification for removal of traces of sulphur, it shall be transferred to Oil Water Separator (OWS) basin for further treatment.
6. The process effluents and produced water shall treated for marine discharge standards and the domestic effluents shall be treated to the on land for irrigation standards as stipulated under Schedule - VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof.

7. The proponent has reported that the treated process effluents will be disposed off into sea at an identified marine out fall as mentioned in the E.C. & CRZ Clearance issued by MoEF, Gol. The proponent shall install online monitoring system for the purpose of monitoring of treated effluents continuously for the prescribed parameters to be monitored prior to disposal. The consolidated monitoring data shall be submitted regularly to R.O., APPCB every month. The location of the continuous monitoring points shall be fixed in consultation with R.O., APPCB, Kakinada.

Air:

8. The proponent shall comply with the following for controlling air pollution.

S. No	Details of Stack	Stack 1	Stack 2	Stack 3	Stack 4
a)	Attached to	Gas Turbine Generator (20.5 MW)	Gas Turbine Generator (20.5 MW)	Flare stack	DG Set
b)	Capacity	90TPH	90 TPH		1750 KVA
c)	Fuel	Gas	Gas		Liquid
d)	Fuel quantity:	7.3 MMSCFD	7.5 MMSCFD		intermittent
e)	Stack height:	30 mtrs	30 mtrs	60 mtrs	
f)	Diameter	3.2 mtrs	3.2 mtrs	32 inch	
g)	Control Equipment:	----	----	----	Silencer

9. The proponent shall install requisite air pollution control equipment to control process emissions including from the following sources to achieve compliance of emissions standards. The proponent shall install continuous online monitoring system for various pollutants viz., Hydro Carbons, H₂S, SO₂, CO & NO_x etc.

Sl. No.	Description
1.	Gas Sweetening unit (GSU)
2.	Gas Dehydration Unit (GDU)
3.	Dew Point Depression Unit (DPDU)
4.	Condensate stabilizing unit (CSU)
5.	Sulphur Recovery unit (SRU)

10. The guidelines for discharge of gaseous emissions including flare stack and the stack height shall be adequate as stipulated by MoEF, Gol at S.No. 72(b) of Schedule – I of E(P) Rules, 1986 and amended thereof.
11. The proponent shall ensure adequate care for installation of flare tip for completion combustion of flare gases and to avoid any soot generation. The quantity of flaring gas shall not less than 5 minutes.
12. Monitoring of Hydrocarbon concentration in the ambient air and methane shall be under taken and monitoring data shall be regularly submitted to Regional office, APPCB, Kakinada.
13. The proponent shall install Blow Out Preventer (BOP) system to prevent well blow outs during drilling operations.
14. The proponent shall install low NO_x burners in the power generating unit.

15. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
16. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
17. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

Solid Waste:

18. The proponent shall comply with the following after expansion.

Sl. No	Solid Waste generated from	Quantity	Method of Disposal
1)	Waste Oil / Used Oil	50 KL/annum	To dispose to authorized oil re-processors.
2)	ETP Sludge	300 Kgs/day	To dispose to TSDF
3)	Drill cuttings	SOBM – 375 MT/Well, WBM – 100 MT/well	SOBM – to dispose to TSDF. WBM – to dispose into sea after treatment.
4	Used Lead Acid Batteries	100 Nos.	To Return to supplier on Buy Back basis

19. The following rules and regulations notified by the MoE&F, GoI shall be implemented.
 - a) Hazardous waste (Management, Handling and Transboundary Movement) Rules, 2008.
 - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - c) The Chemical Accidents (Emergency Planning, Preparedness) Rules, 1996.
 - d) Batteries (Management & Handling) Rules, 2010.
 - e) E-Waste (Management & Handling) Rules, 2011.

Other Conditions:

20. Existing Green belt shall not be disturbed in the proposed expansion activity. The industry shall develop green belt area of 203320 Sq.m so as to achieve 33% green belt, as committed vide letter dt.07.08.2014.
21. The proponent shall use Water Based Mud (WBM) for drilling operations to the maximum extent possible. Synthetic Based Mud (SBM) can be used only in case of formation problems. In case of usage of SBM, Oil Based Mud (OBM) with low toxicity only shall be used.

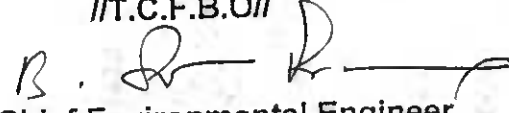
22. The unusable drilling mud at the end of drilling operations for each well shall be dewatered by flocculation and allowed for evaporation of the water phase in the mud. The solids remaining shall be disposed to TSDF.
23. Drilling cuttings shall be separated from the mud through shale shakers and with high pressure water gun. The drill cuttings after treatment shall be stored in a collection pit. At the end of drill operations, the drill cuttings shall be tested for hazardous waste constituents and disposed to TSDF.
24. Synthetic Based Mud as & when used as drilling mud, the drill cuttings shall be separated and stored after treatment in the solid control systems and shall under take centrifuge to recover SBM to minimize SBM sticking to the drill cuttings and then dried in an incinerator to remove adhered SBM on the drill cutting surface. The incinerated residue shall be sent to TSDF only.
25. The proponent shall strictly implement the procedures recommended in the Disaster Management Plan for blowout or fire accidents and also indicate the improvements proposed in implementation of the project to reduce the risk and disaster.
26. Industry shall strictly follow the environmental monitoring schedule as committed in the EIA report.
27. The industry shall submit contingency plan for H₂S release if encountered during drilling operations along with details of personal H₂S detectors provided to workers.
28. The proponent shall undertake ground and aerial patrolling on periodical basis along the pipeline. Mock drills shall be conducted at least twice a year.
29. The onshore pipeline shall be laid at a minimum depth below the ground level as per OISD guidelines.
30. SCADA monitoring system shall be installed for onshore pipeline.
31. The proponent has informed that the temperature of the fluid discharge into sea shall not be more than 5°C than the ambient sea water temperature. The proponent shall furnish the protocol for monitoring of ambient sea water temperature and fluid discharge temperature for every discharge. The consolidated details shall be submitted to Board regularly.
32. Fire fighting facilities in case of any blow out or any occurrence of fire accidents shall be provided as per Oil India Safety Directorate (OISD) norms. Details of the fire fighting facilities shall be furnished to the PCB.
33. The proponent shall ensure that the alienation of pipeline route from WHP to LFP shall be within the boundary of KG Block. The approval obtained on alignment of pipeline route from competent authorities shall be submitted to R.O., APPCB, Kakinada before commencing construction activity.
34. The proponent shall carryout bio-diversity study during and after drilling operation by a recognized organization. The bio-diversity study around drilling operations prior to commencing actual operations shall be carried out and the same shall be recorded in the trend analysis for developing & post drilling operations.
35. The proponent shall under take requisite measures for regular monitoring of sea surface water quality in terms of oil content around the wells and impacts of drilling fluid & drilling mud on the biota. The consolidated monitoring reports shall be submitted report to R.O., APPCB, Kakinada every month.

36. The proponent shall submit the details of preventive maintenance planned along with budgetary allocations for control of fugitive emissions of Hydrocarbons from various process operations.
37. System of leak detection and repair of pump / pipeline shall be installed in the plant and immediate response team shall be identified for preventive maintenance.
38. The proponent shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
39. The proponent shall comply with all the directions issued by the Board from time to time.
40. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
41. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.
42. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

Sd/-
MEMBER SECRETARY

To
M/s. Gujarat State Petroleum Corporation Ltd.,
Deen Dayal Development Project,
(KG-OSN-2001/3 block – NEPL-III),
GSPC Bhavan, Behind Udyog Bhavan,
3rd floor, Sector – 11, Gandhinagar,
Gujarat – 382010.

//T.C.F.B.O//


Joint Chief Environmental Engineer
(Unit Head – II)

B. S. R.
12/8

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
3rd Floor, Housing Board Complex, Anna Nagar, Puducherry - 5
Phone : (0413) 2201256 Fax : (0413) 2203494

CONSENT TO ESTABLISH
(NO-OBJECTION CERTIFICATE)

29 AUG 2011

No.327/PPCC/NOC/YNM/SO/2011/ 1059

Puducherry, the

Sub: PPCC – M/s. Gujarat State Petroleum Corporation Ltd., Yanam -
Consent to Establish / No Objection Certificate for setting up of Land
Fall Point (LFP) / Isolation Valve Station (IVS) and laying of pipeline
for transportation of natural gas in Adavipolam, Yanam - Issued.

Ref: 1. Letter No. 1-13/6608/Ind&Com/A6/2007 dated 08.02.2007 received
from the Director, Dte. of Industries & Commerce, Puducherry.

2. Your letter No. GSPC/O&G/KG/2011/04 dated 09.05.2011.

The Puducherry Pollution Control Committee has No Objection in according clearance to
M/s. Gujarat State Petroleum Corporation Ltd., Yanam for setting up of *Land Fall Point
(LFP) / Isolation Valve Station (IVS) and laying of pipeline (3.00 Km)* for transportation of
natural gas *at Ward.F, Block No.15, Adavipolam, Yanam* and Consent to Establish is granted
under the provisions of section 25/26 of the Water (Prevention and Control of Pollution) Act,
1974 and section 21/22 of the Air (Prevention and Control of Pollution) Act, 1981 and rules and
orders made there under subject to the following conditions:

Specific Conditions:

1. The applicant shall obtain approval from the Government for grant of land (25 m x 25 m)
on lease basis for setting up of Land Fall Point (LFP) at Adavipolam (Island No.3).
2. The applicant shall obtain approval from the Collector, Puducherry for the proposed gas
pipeline route (3.00 Km) in Yanam region.
3. The applicant shall obtain land conversion clearance from the Pondicherry Town and
Country Planning Board.
4. The applicant shall comply with the environmental protection measures and safe guards
recommended in the Environment Impact Assessment & Risk Assessment Reports for
onshore facilities prepared by NEERI, Nagpur.
5. The applicant shall comply with all the conditions stipulated in the Environmental
Clearance issued on 08.09.2008 by Ministry of Environment and Forests, New Delhi.

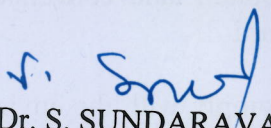
General Conditions:

6. This Consent to Establish / No Objection Certificate is valid for a period of two years
from the date of issue.
7. The applicant shall apply to this Committee in prescribed Form for Consent to Operate
under the provisions of section 25/26 of the Water (Prevention and Control of Pollution)
Act, 1974 and section 21/22 of the Air (Prevention and Control of Pollution) Act, 1981
thirty (30) days before commencement of Trial Production.

PTO

8. The applicant shall apply to this Committee in prescribed form under Section 5 of the Hazardous Wastes (Management & Handling) Rules, 1989 for handling of Hazardous Wastes if any, thirty (30) days before commencement of Trial production.
9. The applicant shall measure and record the water consumption by fixing up water meter at such places as may be prescribed and shall furnish Water Cess Returns in Form - I on or before 5th of every calendar month under the provisions of Water (Prevention and Control of Pollution) Cess Rules, 1978, if applicable
10. Non Hazardous solid waste generated if any, shall be properly segregated and collected in separate 'bins', green bins for biodegradable waste, white bins for recyclable waste and black bins for non-recyclable waste as per Municipal Solid Waste (Management & Handling) Rules, 2000 and handed over to Municipality.
11. The provisions of Noise Pollution (Regulation & Control) Rules, 2000 shall be strictly complied and the Ambient Air Quality standards with respect to Noise should not exceed 65 dB (A) during daytime and 55 dB (A) during nighttime.
12. The applicant shall not undertake any expansion, modifications, diversification, or change of location without prior clearance from this Committee
13. Puducherry Pollution Control Committee reserves the right to review any condition imposed in this consent from time to time and modify, revoke or stipulate additional ones as per the provisions of section 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and section 21(4) the Air (Prevention and Control of Pollution) Act, 1981 and to cancel this consent if any of the conditions is violated or any public complaint is received.
14. This consent order shall be exhibited in the office room and must be made available to the inspecting officers of this Committee.
15. The above conditions shall be enforced under the provisions of the Water (Prevention and Control of Pollution) Act, 1974; the Air (Prevention and Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 along with their amendments from time.

For & on behalf of PPCC,


(Dr. S. SUNDARAVADIVELU)
MEMBER SECRETARY

PUDUCHERRY POLLUTION CONTROL COMMITTEE

To

M/s. Executive Vice President (KG Operations)
M/s. Gujarat State Petroleum Corporation Ltd.,
C/o STC Ware House Complex,
Nr. MMTC Ware House,
New Port Godown Area,
Kakinada - 533 007.

Copy to:-

1. The Director, Dte. of Industries & Commerce, Puducherry
2. The Technical Officer, District Industries Centre, Sub Office, Yanam - 533 464
3. The Commissioner, Yanam Municipality, Yanam - 533 464.

F. No. 8-85/2013-FC (vol.)
Government of India
Ministry of Environment, Forest and Climate Change
(Forest Conservation Division)

Indira Paryavaran Bhawan,
Aliganj, Jorbagh Road,
New Delhi - 110 003,
Dated: 25th July, 2016

To

The Special Secretary to Government,
Environment, Forests, Science & Technology Deptt.,
A.P. Secretariat,
Hyderabad.

Sub: Proposal for diversion of 12.28 hectares of forest land in Coringa Extn. R.F. of Coringa Wildlife Sanctuary for laying of sub-sea pipeline buried below river bed and consisting of one well fluid pipeline, one effluent disposal pipeline and one optical fiber cable for the Deen Dayal (West) Development Project in favour of M/s. Gujarat State Petroleum Corporation Ltd. (GSPC Ltd.).

Sir,

I am directed to refer to the Government of Andhra Pradesh's letter No. 4961/Section-II/2014 dated 23rd August 2014 on the above-mentioned subject, wherein prior approval of the Central Government for the diversion of 12.28 hectares of forest land in Coringa Extn. R.F. of Coringa Wildlife Sanctuary for laying of sub-sea pipeline buried below river bed and consisting of one well fluid pipeline, one effluent disposal pipeline and one optical fiber cable for the Deen Dayal (West) Development Project in favour of M/s. Gujarat State Petroleum Corporation Ltd. (GSPC Ltd.) was sought in accordance with the provisions of Section-2 of the Forest (Conservation) Act, 1980. After careful consideration of the proposal by the Forest Advisory Committee constituted by the Central Government under section 3 of the said Act, in-principle approval for the said diversion was granted vide this Ministry's letter of even number dated 11th November, 2014, subject to fulfilment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

2. The Government of Andhra Pradesh vide their letter dated 23.08.2014 had submitted the compliance report inter-alia reporting that as per the recommendation of the NBWL, 5% of the investment cost of the pipeline in the vicinity of Protected Areas/ Eco-sensitive zone/ Forest areas, for the improvement of the habitat of the three sanctuaries besides which the pipeline passes i.e. Rs. 35,69,36,232/- have been deposited in the BIO-SAP, a society called Biodiversity Society of Andhra Pradesh (BIOSAP) with the Regd. No. 548 of 2011, headed by the Chief Secretary of Andhra Pradesh. However, further examination of the matter in the Ministry revealed that compliance regarding payment of 5% cost was not in accordance with the order dated 27.01.2014 passed by Hon'ble Supreme Court in the matter wherein the Hon'ble Court had accorded approval for diversion of the said forest land subject to the conditions stipulated by the Standing Committee of the NBWL and the Central Empowered Committee (CEC). The conditions recommended by the CEC inter-alia included that 5 % of the estimated cost of the project for the portion falling in the Sanctuary will be deposited in the Compensatory Afforestation Fund for undertaking conservation and protection measures in the National Parks and Wildlife Sanctuaries in the State of Andhra Pradesh.

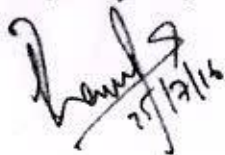
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25/7/16

3. This matter was referred to Central Empower Committee vide letter F No 8-85/2013-FC (Vol) dated 24th June, 2015 who informed vide letter dated 14th July 2015 that the State Government will be required to approach the Hon'ble Supreme Court seeking modified directions.

4. The Hon'ble Supreme Court of India passed an order dated 31.03.2016 in an IA No. 185 of 2015 in IA No. 162-163 in Writ Petition (Civil No. (S).337 of 1995 that the project proponent has already deposited Rs. Rs. 35, 69, 36, 232/- (Rupees Thirty Five Crore Sixty Nine Lakh thirty six thousand and two hundred thirty two only) in the BIO-SAP account in addition to Rs. 4, 00, 000. 00/- for habitat improvement in Ad-hoc CAMPA and thereby complied with the requirement of the condition laid down in para (i) of order dated 27.01.2014 where under such a deposit was directed to be made. The Hon'ble Apex Court disposed off the said petition with the observation that the deposited be treated as sufficient compliance with the order passed by this Hon'ble court.

5. Taking into consideration the above facts and the receipt of the compliance report from the Government of Andhra Pradesh's vide letters No. 4961/ Section-II/ 2014 dated 6th December 2014, No. 4961/Section.II/ 2014 dated 12th January 2015, No. 4961/ Section. /2014 dated 03.02.2015 and No. 4961/ Section. /2014 dated 23.04.2015, the final / Stage - II approval of the Central Government is hereby granted under Section - 2 of the Forest (Conservation) Act, 1980 for diversion of 12.28 hectares of forest land in Coringa Extn. R.F. of Coringa Wildlife Sanctuary for laying of sub-sea pipeline buries below river bed and consisting of one well fluid pipeline, one effluent disposal pipeline and one optical fiber cable for the Deen Dayal (West) Development Project in favour of M/s. Gujarat State Petroleum Corporation Ltd. (GSPC Ltd.), subject to fulfillment of the following conditions:-

- (i) Legal status of the diverted forest land shall remain unchanged;
- (ii) The Compensatory Afforestation shall be raised over the non-forest land equal in extent to the forest land being diverted at the project cost;
- (iii) Non-forest land which is transferred and mutated in favour of the State Forest Department for the purpose of compensatory afforestation shall be declared as Reserved Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act. The Nodal Officer must report compliance within a period of 6 months from the date of grant of this approval and send a copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the local Forest Act local forest as the case may be, to this Ministry for information and record;
- (iv) The User Agency shall pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
- (v) User agency in consultation with the State Forest Department shall create and maintain alternate habitat/ home for the avifauna, whose nesting trees are to be cleared in this project. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;
- (vi) User agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;


27/12/16

- (vii) User agency and the State Government shall ensure to comply with the additional conditions stipulated by Standing Committee of the NBWL and the Supreme Court in respect of diversion of the said forest land;
- (viii) The layout plan of the proposal shall not be changed without the prior approval of the Central Government.
- (ix) No labour camp shall be established on the forest land;
- (x) User agency shall provide firewood preferably alternate fuel to the labourers and the staff working at the site so as to avoid any damage and pressure on the adjacent forest areas;
- (xi) Boundary of the forest land proposed to be diverted shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, forward and back bearing, distance from pillar to pillar and GPS coordinates;
- (xii) Forest land shall not be used for any purpose other than that specified in the proposal;
- (xiii) The user agency shall submit the annual self compliance report in respect of the above conditions and also to the conditions stipulated in the Stage - I clearance to State Government, concerned Regional Office and this Ministry regularly.
- (xiv) Any other condition that the Regional Office, Chennai of this Ministry, may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife; and
- (xv) The State Government and user agency shall ensure compliance to all conditions stipulated in the Stage-I approval for which undertakings have been obtained from the user agency and also the provisions of the all Acts, Rules, Regulations, Guidelines & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

Yours faithfully,

(Rajagopal Prashant)

Assistant Inspector General of Forests (FC)

Copy to:

1. The Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad.
2. The Addl. Principal Chief Conservator of Forests (Central), Regional Office (South Eastern Zone), Chennai.
3. The Nodal Officer, the Forest (Conservation) Act, 1980, Government of Andhra Pradesh, Hyderabad.
4. User Agency.
5. Monitoring Cell, FC Division, MoEF, New Delhi.
6. Guard File.

(Rajagopal Prashant)

Assistant Inspector General of Forests (FC)

7c

FORM 3

[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES

1. Name and address of the facility: **Oil & Natural Gas Corporation Limited,
Onshore Gas Terminal,
R.Sy. No: 632/3, 643/3, 646/6 & 7
Mallavaram (V), Tallarevu (M),
East Godavari District-533463, A.P**
2. Date of issuance of authorization and its reference number: **APPCB/VSP/KKD/
323/HO/CFO/2018 Dated: 31/12/2018**
3. Description of hazardous and other wastes handled (Generated or Received)

Date	Type of waste with category as per Schedules I, II and III of these rules	Total quantity	Method of Storage	Destined to or received from
FY 2024-25	Waste/ Used Oil	3.853 KL	spiked into gas condensate for reuse	Generated

* Fill up above table separately for indigenous and imported waste.

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or pre-processor or utilizer: **NIL**
5. Date of environmental monitoring (as per authorization or guidelines of Central Pollution Control Board): **07.04.2025**

Prabal Sengupta
23/7/25
Signature of Occupier/Manager

Date:

Place: Kakinada



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada



Real Time Data Acquisition And Monitoring

Site Name: ONGC - Formerly Gujarat State Petroleum Corporation Limited

Report: Custom Report

From Date: 2025/06/01 00:00:00 To Date : 2025/06/30 23:59:00

Description	AAQMS_1-THC - (ug/m3) Raw	AAQMS_1-CH4 - (ug/m3) Raw	AAQMS_1-NMHC - (ug/m3) Raw	AAQMS_1-Benzene - (ug/m3) Raw	AAQMS_1-Toulene - (ug/m3) Raw	AAQMS_1-Ethyl Benzene - (ug/m3) Raw
Prescribed Standards	0 -	0 -	0 -	0 -	0 -	0 -
Maximum Data	0.3	0.02	0.55	0	0	0
Minimum Data	0.3	0.02	0.55	0	0	0
Geometric Mean	0.3	0.02	0.55	0.0	0.0	0.0
Median	0.3	0.02	0.55	0.0	0.0	0.0
Standard Deviation	NA	NA	NA	NA	NA	NA
Maximum Value At Time	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01
Minimum Value At Time	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01
Valid Data Points	1	1	1	1	1	1
Total Data Points	1	1	1	1	1	1
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

SI No	Time	AAQMS_1-THC - (ug/m3) Raw	AAQMS_1-CH4 - (ug/m3) Raw	AAQMS_1-NMHC - (ug/m3) Raw	AAQMS_1-Benzene - (ug/m3) Raw	AAQMS_1-Toulene - (ug/m3) Raw	AAQMS_1-Ethyl Benzene - (ug/m3) Raw
1	2025-06-01	0.3	0.02	0.55	0	0	0

Report Details: ONGCM | 2025-09-12 16:04:30 | Custom Report



Real Time Data Acquisition And Monitoring

Site Name: ONGC - Formerly Gujarat State Petroleum Corporation Limited

Report: Custom Report

From Date: 2025/06/01 00:00:00 To Date : 2025/06/30 23:59:00

Description	AAQMS_2-THC - (ug/m3) Raw	AAQMS_2-CH4 - (ug/m3) Raw	AAQMS_2-NMHC - (ug/m3) Raw	AAQMS_2-Benzene - (ug/m3) Raw	AAQMS_2-Toulene - (ug/m3) Raw	AAQMS_2-Ethyl Benzene - (ug/m3) Raw
Prescribed Standards	0 -	0 -	0 -	0 -	0 -	0 -
Maximum Data	0	0	0	0	0	0
Minimum Data	0	0	0	0	0	0
Geometric Mean	0.0	0.0	0.0	0.0	0.0	0.0
Median	0.0	0.0	0.0	0.0	0.0	0.0
Standard Deviation	NA	NA	NA	NA	NA	NA
Maximum Value At Time	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01
Minimum Value At Time	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01	2025-06-01
Valid Data Points	1	1	1	1	1	1
Total Data Points	1	1	1	1	1	1
Data Availability %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

SI No	Time	AAQMS_2-THC - (ug/m3) Raw	AAQMS_2-CH4 - (ug/m3) Raw	AAQMS_2-NMHC - (ug/m3) Raw	AAQMS_2-Benzene - (ug/m3) Raw	AAQMS_2-Toulene - (ug/m3) Raw	AAQMS_2-Ethyl Benzene - (ug/m3) Raw
1	2025-06-01	0	0	0	0	0	0

Report Details: ONGCM | 2025-09-12 16:08:29 | Custom Report



**ऑयल एण्ड नेचुरल गैस कॉरपोरेशन
लिमिटेड**
Oil and Natural Gas Corporation Limited

कार्यालय प्रभारी मानव संसाधन/कार्मिक संबंध
ओएनजीसी, पूर्वी अपतट परिसंपत्ति,
प्रथम तल, ब्लॉक-ए, लॉजिस्टिक्स पार्क, एपीआईआईसी औद्योगिक क्षेत्र
वाकलपुड़ी, काकीनाड़ा, आंध्र प्रदेश, पिन : 533 005
Office of Head HR-ER
ONGC, Eastern Offshore Asset,
1st floor, Block 'A', Logistics Park, APIIC Industrial Area,
Vakalapudi, Kakinada, Andhra Pradesh. Pin. 533 005

To,
Additional Director,
MoEF&CC
IRO, Vijayawada

19.09.2025

Sub: Details of CSR Expenditure by ONGC, Kakinada

Ref: Inspection by Additional Director, MoEF&CC, Vijayawada on
17.09.2025 of ONGC, Kakinada

Respected Sir,

The CSR expenditure of ONGC, Kakinada in Kakinada District & Yanam
from FY 2016-17 to 31.08.2025(FY 2025-26) is summarized below :-

Year	Kakinada	Yanam	Total
2016-17	67,27,917	-	67,27,917
2017-18	1,46,35,801	-	1,46,35,801
2018-19	2,64,12,559	4,00,000	2,68,12,559
2019-20	4,08,64,875	1,62,88,878	5,71,53,753
2020-21	1,78,95,174	1,10,29,586	2,89,24,760
2021-22	1,21,27,927	1,00,86,512	2,22,14,439
2022-23	1,72,44,264	2,50,000	1,74,94,264
2023-24	2,47,98,019	62,75,983	3,10,74,002
2024-25	2,71,07,490	9,80,484	6,20,64,997
2025-26	51,00,000		51,00,000
Total	18,78,14,026	4,53,11,443	27,22,02,492

The detailed expenditure breakup is attached as Annexures for your
kind reference and perusal.

Yours faithfully

(K Sunil Kumar)
GM(HR)-Head, HR/ER

के सुनील कुमार
K Sunil Kumar
General Manager (HR)
और एवं पूर्वी एपटी परिसंपत्ति / EOA & APIIC
आंध्र प्रदेश काकीनाड़ा

19/09/25



SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/ONGC-OGT/25-06/13

Date: 05-07-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : STP

DATE OF COLLECTION : 27-06-2025

TEST REPORT

S. No.	Parameter	Unit	STP INLET	STP OUTLET	Discharge Standards
1.	Colour	Hazen	<1.0	<1.0	-
2.	Odour	--	Agreeable	Agreeable	-
3.	Particulate size of Suspended Solid	microns	<300	<300	-
4.	pH	--	7.36	6.90	6.5-8.5
5.	Temperature	°C	28.8	29.2	-
6.	Total Suspended Solids	mg/l	23.0	9.0	20.0
7.	Chlorides as Cl	mg/l	159	46.0	-
8.	COD	mg/l	140	30.0	125
9.	BOD 5d 20°C	mg/l	48.0	11.0	15
10.	Oil & Grease	mg/l	<1.0	<1.0	5.0
11.	Total residual Chlorine	mg/l	<0.1	<0.1	-
12.	Total Kjeldahl Nitrogen	mg/l	0.38	0.10	40.0
13.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.01	<0.01	0.35
14.	Copper as Cu	mg/l	<0.01	<0.01	1.0
15.	Fluorides as F ⁻	mg/l	0.31	0.17	-
16.	Vanadium as V	mg/l	<0.01	<0.01	0.2
17.	Iron as Fe	mg/l	0.08	0.03	-
18.	Mercury as Hg	mg/l	<0.001	<0.001	0.01
19.	Lead as Pb	mg/l	<0.01	<0.01	0.1
20.	Zinc as Zn	mg/l	0.14	0.07	5.0
21.	Arsenic as As	mg/l	<0.01	<0.01	-
22.	Selenium as Se	mg/l	<0.01	<0.01	-
23.	Cadmium as Cd	mg/l	<0.001	<0.001	-

Recognized by GOI - MoEFCC, Accredited by NABL & NABET

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

Website: www.svenvirolabs.com
E-Mails : info@svenvirolabs.com, svenviro_labs@yahoo.co.in

Contacts
0891-2755528, +91 7207664444

PAN: ABQCS0643F
CIN: U74909AP2025PTC119098





SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/ONGC-OGT/25-06/09

Date: 05-07-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : NOISE LEVEL INTENSITY

DATE OF COLLECTION : 27-06-2025

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		DAY	NIGHT	
1.	Near MCR Area	60.8	55.3	IS:4954 – 1968 Noise Level Meter
2.	Near C P P	56.3	50.7	
3.	Fire Water Pump House Area	68.5	62.9	
4.	Near Main Gate	70.8	64.9	
5.	Air/N2 Compressor Area	71.3	65.6	
6.	Cooling tower Area	65.9	60.4	
7.	Operator Cabin Area	69.5	63.8	
8.	Near Train -1	73.1	66.7	
CPCB Standards		75.0	70.0	

VSP-12
AUTHORIZED SIGNATORY

Recognized by GOI - MoEFCC, Accredited by NABL & NABET

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

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Contacts
0891-2755528, +91 7207664444

PAN: ABQCS0643F
CIN: U74909AP2025PTC119098





Oil And Natural Gas Corporation Ltd.
HP-HT Asset

1st Floor, Block-2, ONGC Logistic Park,
Vakalapudi, **KAKINADA** – 533005 (AP)
Tel : +91-884-2322100, Fax : +91-884-2374104

No: ONGC/HP-HT/APPCB/CFO Compliance/OGT/01/2025

Dt 23.07.2025

To

1. Head Office

**Andhra Pradesh Pollution Control Board,
D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet,
Vijayawada – 520010**

2. The Environmental Engineer

**A.P Pollution Control Board
Regional Office, Kakinada
Andhra Pradesh.**

Sub:- Submission of Half yearly Compliance for CFO for Onshore Gas Terminal,
HP- HT Asset, ONGC (OGT Plant),

Ref:- CFO Order No: APPCB/VSP/KKD/323/HO/CFO/2018 Date:31/12/2018.

Dear Sir/Madam,

With reference to above, we here with submit Half Yearly Compliance for OGT Plant,
P.Mallavaram, HP-HT Asset, ONGC for the year 2025 (from Jan 2025 to Jun 2025)
complying to CFO.

Thanking you

Prabal Sengupta
23/7/25

Prabal Sengupta
ED - Surface Manager, EOA & HP-HT



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

Name of Plant	Compliance Report of Consent For Operation of ONGC Onshore Gas Terminal
File Reference	Consent Order No. APPCB/VSP/KKD/323/HO/CFO/2018 Dated-31/12/2018
Reporting Period	Jan 2025 to June 2025

SCHEDULE-A

Sr. No.	Conditions	Compliance Status
1	Any up-set condition in any plant/plants of the industry, which result in, increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur should forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	Noted, will be complied if such condition arises.
2	The industry should carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in this order on quarterly basis and submit to the Board.	Regular analysis and monitoring of Waste water discharge or emissions through chimneys are being done through NABL approved third party agency. Latest report is attached herewith.
3	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed.	Being followed.
4	The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises	Complied

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

5	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Noted
6	The applicant shall submit Environment statement in Form V before 30th September of every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.	Environment statement has been submitted on 23.07.2025.
7	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under H&OW (H&TM) Rules, 2016 at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Renewal fee up to 31st August 2026 for Consent for operation has been paid through Demand Draft in favour of RO, APPCB, payable at Kakinada. Noted. If there is a change, will be complied accordingly.
8	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate Authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.	Noted.

SCHEDULE-B

Sr. No.	Conditions	Status			
	WATER POLLUTION				
1	The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below: <table> <tr> <th>S.No.</th><th>Purpose</th><th>Quantity in KLD</th></tr> </table>	S.No.	Purpose	Quantity in KLD	Water consumption has never exceeded the permitted quantity.
S.No.	Purpose	Quantity in KLD			

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

5	The industry shall maintain chemical treatment followed by oxidation for ex-SRU effluents. After complete detoxification for removal of traces of sulphur, it shall be transferred to Oil Water Separator (OWS) basis for further treatment.		Not commissioned till now.												
6	Industry shall follow oil spill contingency plan (NOSDCP) submitted and as approved by Indian Coast Guard.		Oil spill contingency plans for ONGC, EOA/HP-HT Asset are prepared and submitted to Indian Coast Guard. Shall be followed for handling of any oil spill contingencies.												
7	The industry shall not discharge any effluents into the creeks / drains.		Effluents are not discharged into creeks / drains. The effluents are routed to ETP for further treatment and disposal into marine outfall.												
	AIR POLLUTION														
8	The emission shall not contain constituents in excess of prescribed limit mentioned below: <table><tr><td>Chimney No.</td><td>Parameter</td><td>Emission Standards</td></tr><tr><td rowspan="4">1 & 2</td><td>NOx (V/V), at 15% excess oxygen</td><td>100 PPM</td></tr><tr><td>Particulate Matter</td><td>30 mg/Nm³</td></tr><tr><td>Sulphur Dioxide (SO2)</td><td>100 mg/Nm³</td></tr><tr><td>Mercury (Hg)</td><td>0.03 mg/Nm³</td></tr></table>		Chimney No.	Parameter	Emission Standards	1 & 2	NOx (V/V), at 15% excess oxygen	100 PPM	Particulate Matter	30 mg/Nm ³	Sulphur Dioxide (SO2)	100 mg/Nm ³	Mercury (Hg)	0.03 mg/Nm ³	Noted
Chimney No.	Parameter	Emission Standards													
1 & 2	NOx (V/V), at 15% excess oxygen	100 PPM													
	Particulate Matter	30 mg/Nm ³													
	Sulphur Dioxide (SO2)	100 mg/Nm ³													
	Mercury (Hg)	0.03 mg/Nm ³													
9	The industry shall comply with standards of Sulphur Recovery units as follows: Sulphur recovery % 99.5 H ₂ S 10 mg/Nm ³ NO _x 250 mg/Nm ³ CO 100 mg/Nm ³		Noted, Presently SRU is not operational.												
10	The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial flo.96, under the Environment (Protection) Act, 1986.		Complied												

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

11	The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 μm) - 100 $\mu\text{g}/\text{m}^3$; PM_{2.5} (Particulate Matter size less than 2.5 μm) - 60 $\mu\text{g}/\text{m}^3$; SO₂ - 80 $\mu\text{g}/\text{m}^3$; NO_x - 80 $\mu\text{g}/\text{m}^3$, outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 Noise Levels: Day time (6 AM to 10 PM) - 75dB (A) Night time (10 PM to 6 AM) - 70 dB (A)	Complied. Being done through NABL approved third party agency. Latest report attached.
12	The industry shall follow the guidelines for discharge of gaseous emissions flare stack and the stack height as stipulated by MoEF, Gol at S.No. 72(b) of Schedule — I of E(P) Rules, 1986.	Complied.
a.	Cold venting of gases shall never be sorted to and all the gaseous emissions to be flared	Noted for compliance.
b.	All flaring should be done by elevated flares except where there is effect on crop production in adjoining areas due to the flaring. In such cases, one may adopt ground flaring.	Complied.
c.	In case of ground flare, to minimize the effects of flaring, the flare pit at Group Gathering Station (GGS) / Oil Collecting Station (OCS) and Group Collection Station (GCS) shall be made of RCC surrounded by a permanent wall (made of refractory brick) of minimum 5m height, to reduce the radiation and glaring effects in the adjoining areas.	Not required.
d.	A green belt of 100m width may be developed around the flare after the refractory wall in case of ground flaring.	Not applicable
e.	If the ground flaring with provision of green belt is not feasible, enclosed ground flare system shall be adopted, and be designed with proper enclosure height, to meet the ground level concentration (GLC) requirement.	Not applicable
f.	In case of elevated flaring, the minimum stack height shall be 30m. Height of the stack shall be such that the max. GLC never exceeds the prescribed ambient air quality limit.	Complied. Height of flare stack is 80m.
g.	Burning of effluent in the pits shall not be carried out at any stage.	Noted

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

13	The continuous stack analyzers for monitoring of SO _x , NO _x , SPM, CO & HC attached to GT Stacks and 3 Nos. of CAAQM stations for monitoring of parameters of HC & VOC are to be linked with APPCB website and CPCB website within 15 days.	The continuous emission monitoring stations are installed at GT stacks and 3 nos. of CAAQMS are installed around the plant area. The same has been linked with APPCB/CPCB website for monitoring.
14	The industry shall maintain requisite air pollution control equipment to control process emissions including from the following sources to achieve compliance of emissions standards. The proponent shall install continuous online monitoring system for various pollutants viz , Hydrocarbons, H₂S, SO₂, CO & NO_x etc., Sr. No. Description 1. Gas Sweetening unit (GSU) 2. Gas Dehydration Unit (GDU) 3. Dew Point Depression Unit (DPDU) 4. Condensate Stabilizing unit (CSU) 5. Sulphur Recovery unit (SRU)	Complied.
15	The industry shall maintain vapour recovery system at gantry area to recover vapours.	Complied.
16	The industry shall ensure adequate care for installation of flare tip for complete combustion of flare gases and avoid any soot generation.	Complied.
17	Monitoring of Hydrocarbon concentration in the ambient air and methane shall be under taken and monitoring data shall be regularly submitted to Regional Office, APPCB, Kakinada.	Complied. Three numbers of AAQ stations are installed in the plant to monitor the Total Hydrocarbon, Methane and VOC.
18	The proponent shall maintain Blow Out Preventer (BOP) system to prevent well blow outs during drilling operations.	Noted. Presently there is no drilling operations.
19	The proponent shall maintain low NO _x burners in the power generating unit.	Low NO _x burners are provided inbuilt in the Gas Turbine generators.
20	The industry shall ensure compliance of the National Ambient Air Quality standards notified by MoE&F, GoI vide notification No. GSR 826 (E), dated 16.11.2009 during regular operational phase of the project.	Being complied.
	GENERAL	
21	The industry shall dispose the condensate to the agencies authorized by APPCB	Being Complied
22	The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.	Noted.

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

23	The industry shall maintain greenbelt in 33% of the total area	Being complied.
24	The industry shall strictly implement the procedures recommended in the Disaster Management Plan for blowout or fire accidents and also indicate the improvements proposed in implementation of the project to reduce the risk and disaster.	Being complied.
25	Industry shall strictly follow the environmental monitoring schedule as committed in the EIA report.	Being followed.
26	The proponent shall undertake ground and aerial patrolling on periodical basis along the pipeline. Mock drills shall be conducted at least twice a year.	Pipelines are being patrolled by security section. Mock drills are conducted on monthly basis on different scenarios.
27	Fire-fighting facilities in case of any blow out or any occurrence of fire accidents shall be provided as per Oil Industries Safety Directorate (OISD) norms. Details of the fire-fighting facilities shall be furnished to the PCB.	Being complied
28	The industry shall ensure that the alienation of pipeline route from WHP to LFP shall be within the boundary of KG Block.	Complied
29	The industry shall carryout bio-diversity study during and after drilling operations by a recognized organization regularly.	Not applicable since it is process plant and there is no chances of drilling operation.
30	The industry shall comply with all the conditions stipulated in the EC orders dated 08.09.2008, 25.06.2014 and CRZ Clearance order dated 01.01.2014 and other notifications/directions issued by MoEF from time to time.	Complied.
31	Industry shall carryout post project monitoring once after 6 months of commencement of activities and routinely after every year.	Complied.
32	The industry shall maintain fire detection cum Alarms for smoke, head and MCP, 81 No's of process Gas detectors at GSV, GDU, DPDU, SRU, CSV, Cooling Water Area, Condensate tank area, loading gantry area CPP, Slug catcher area & HVAC control room.	Complied.
33	The industry shall maintain 2 No's of FRT i.e. Floating Roof Tanks for storage of condensate within single dyke provided with water, foam and inert fire-fighting systems.	Complied.
34	The industry shall operate SCADA (Supervisory Control And Data Automation) system as stipulated in CRZ clearance.	The SCADA system is used to monitor the pipeline pressure continuously and leaks if any are detected by pressure drop in the process systems and automatic shut off valves is operate to stop further flow of gas.

CFO Compliance Report – OGT Plant, ONGC, HP-HT Asset

35	The industry shall comply with the directions issued by the Board from time to time.	Noted and will be complied.
SCHEDULE-C Compliances [see rule 6(2)] CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES		
Sr. No.	Conditions	Status
1	All the rules and regulations by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of Hazardous wastes should be followed.	Noted.
2	The industry shall not store hazardous waste for more than 90 days as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.	Noted for compliance.
3	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.	Noted.
4	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	Noted & shall be complied.
5	The industry shall maintain proper records for Hazardous & other wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6(5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.	Noted & being complied. Form-3 & Form-4 submitted FY 2024-25 submitted on 23.07.2025
6	The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office, Vijayawada and concerned Regional Office.	Noted & being complied.

Prabal Sengupta
23/7/25



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada



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Ref: SVELC/ONGC-OGT/25-03/001

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR MAIN SECURITY GATE

DATE & TIME OF START : 28-03-2025@10:45 hr

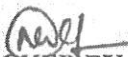
DURATION OF SAMPLING : 24 Hours

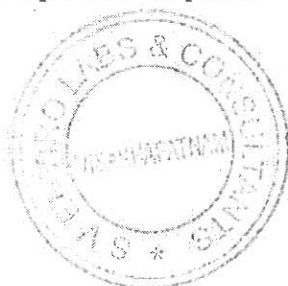
ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	NAAQ STANDARD	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	69.3	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	30.1	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	15.7	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	0.52	02	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	11.6	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-OGT/25-03/002

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR SUBSTATION – 1 AREA

DATE & TIME OF START : 28-03-2025@ 11:15 hr

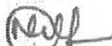
DURATION OF SAMPLING : 24 Hours

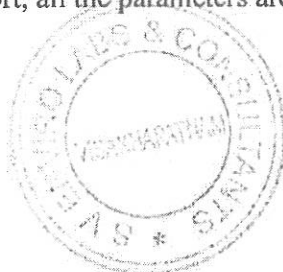
ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	NAAQ STANDARD	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	64.9	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	25.6	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	15.5	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.46	02	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	10.8	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-OGT/25-03/003

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR CPP AREA

DATE & TIME OF START : 28-03-2025@ 11:45 hr

DURATION OF SAMPLING : 24 Hours

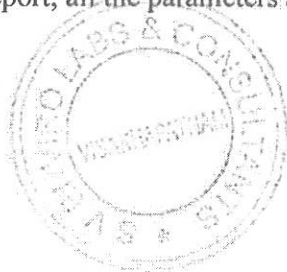
ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	CPCB STANDARD	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	62.7	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	13.4	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	12.1	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.40	02	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	11.4	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 Standards.

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Ref: SVELC/ONGC-OGT/25-03/004

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : NEAR MATERIAL GATE

DATE & TIME OF START : 28-03-2025@ 12:20 hr

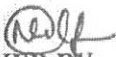
DURATION OF SAMPLING : 24 Hours

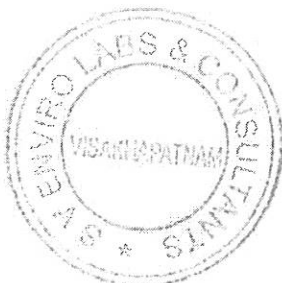
ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	CPCB STANDARD	METHOD
1.	Particulate Matter - PM ₁₀	µg/m ³	70.8	100	IS:5182 (P-23)
2.	Particulate Matter - PM _{2.5}	µg/m ³	31.5	60	IS:5182 (P-24)
3.	Sulphur Dioxide - SO ₂	µg/m ³	17.2	80	IS:5182 (P-2)
4.	Oxides of Nitrogen - NO _x	µg/m ³	18.9	80	IS:5182(P-6)
5.	Carbon monoxide - CO	mg/m ³	0.56	02	IS:5182 (P-10)
6.	Ozone as O ₃	µg/m ³	12.7	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 Standards.


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Ref: SVELC/ONGC-OGT/25-03/005

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : FLUE GAS EMISSIONS

SOURCE OF COLLECTION : 1750 KVA

DATE & TIME OF START : 28-03-2025@ 13:05 hr

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	33
4.	Diameter of Stack	m	0.304
5.	Stack temperature	⁰ C	187
6.	Cross sectional area of Stack	m ²	0.072
7.	Nozzle Diameter	mm	10
8.	Exit Velocity	m/sec	17.9
9.	Gas quantity	m ³ /hr	4639
10.	Duration of Sampling	minutes	30
11.	Fuel used	-	Diesel

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm ³	59.3	150	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	33.8	-	IS:11255-P-2
3.	Oxides of Nitrogen -NO _x	mg/Nm ³	45.7	-	IS:11255-P-7
4.	Volatile Organic Compounds-VOC	mg/Nm ³	6.0	-	USEPA TO 18
5.	Hydrocarbons –HC	mg/Nm ³	10.4	-	IS 13270
6.	Mercury	mg/Nm ³	<0.005	-	USEPA 29

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Ref: SVELC/ONGC-OGT/25-03/006.

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : FLUE GAS EMISSIONS

SOURCE OF COLLECTION : FIRE PUMP - A

DATE & TIME OF START : 28-03-2025 @ 13:50 hr

TEST REPORT

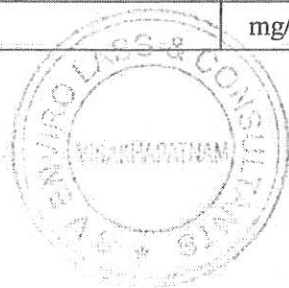
S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	32
4.	Diameter of Stack	m	0.35
5.	Stack temperature	⁰ C	163
6.	Cross sectional area of Stack	m ²	0.096
7.	Nozzle Diameter	mm	10
8.	Exit Velocity	m/sec	3.97
9.	Gas quantity	m ³ /hr	1372
10.	Duration of Sampling	minutes	30
11.	Fuel used	-	Diesel

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm ³	47.8	150	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	29.1	-	IS:11255-P-2
3.	Oxides of Nitrogen -NO _x	mg/Nm ³	40.6	-	IS:11255-P-7
4.	Volatile Organic Compounds-VOC	mg/Nm ³	5.9	-	USEPA TO 18
5.	Hydrocarbons –HC	mg/Nm ³	11.4	-	IS 13270
6.	Mercury	mg/Nm ³	<0.005	-	USEPA 29

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Ref: SVELC/ONGC-OGT/25-03/007

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : FLUE GAS EMISSIONS

SOURCE OF COLLECTION : FIRE PUMP - B

DATE & TIME OF START : 28-03-2025 @ 14:35 hr

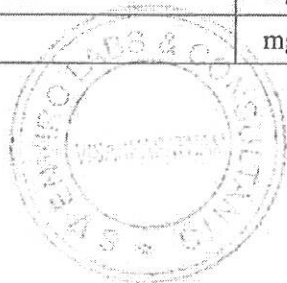
TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	31
4.	Diameter of Stack	m	0.35
5.	Stack temperature	⁰ C	148
6.	Cross sectional area of Stack	m ²	0.096
7.	Nozzle Diameter	mm	10
8.	Exit Velocity	m/sec	3.81
9.	Gas quantity	m ³ /hr	1317
10.	Duration of Sampling	minutes	30
11.	Fuel used	-	Diesel

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm ³	49.6	150	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	31.9	-	IS:11255-P-2
3.	Oxides of Nitrogen -NO _x	mg/Nm ³	43.2	-	IS:11255-P-7
4.	Volatile Organic Compounds-VOC	mg/Nm ³	6.3	-	USEPA TO 18
5.	Hydrocarbons –HC	mg/Nm ³	12.7	-	IS 13270
6.	Mercury	mg/Nm ³	<0.005	-	USEPA 29

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Ref: SVELC/ONGC-OGT/25-03/008

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : FLUE GAS EMISSIONS

SOURCE OF COLLECTION : HRSG - I

DATE & TIME OF START : 28-03-2025@ 15:20 hr

TEST REPORT

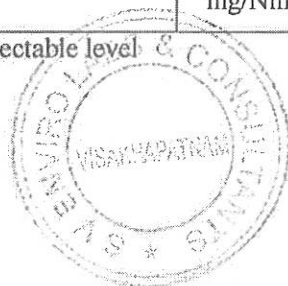
S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	31
4.	Stack temperature	⁰ C	174
5.	Nozzle Diameter	mm	10
6.	Exit Velocity	m/sec	16.1
7.	Duration of Sampling	minutes	60
8.	Fuel used	-	Natural Gas

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm ³	BDL	150	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	BDL	-	IS:11255-P-2
3.	Oxides of Nitrogen -NO _x	mg/Nm ³	57.9	-	IS:11255-P-7
4.	Volatile Organic Compounds-VOC	mg/Nm ³	<0.5	-	USEPA TO 18
5.	Hydrocarbons –HC	mg/Nm ³	BDL	-	IS 13270
6.	Mercury	mg/Nm ³	<0.005	-	USEPA 29

BDL: Denotes Below detectable level

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Ref: SVELC/ONGC-OGT/25-03/009

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : FLUE GAS EMISSIONS

SOURCE OF COLLECTION : Stack attached to GTG - I

DATE & TIME OF START : 28-03-2025@ 16:05 hr

TEST REPORT

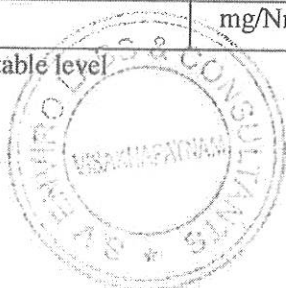
S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific gravity of Fluid	-	1.0
3.	Temperature @ DGM	°C	33
4.	Stack temperature	°C	149
5.	Nozzle Diameter	mm	10
6.	Exit Velocity	m/sec	11.4
7.	Duration of Sampling	minutes	60
8.	Fuel used	-	Natural Gas

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD	METHOD
1.	Particulate Matter – PM	mg/Nm ³	BDL	150	IS:11255-P-1
2.	Sulphur Dioxide – SO ₂	mg/Nm ³	BDL	-	IS:11255-P-2
3.	Oxides of Nitrogen -NO _x	mg/Nm ³	49.8	-	IS:11255-P-7
4.	Volatile Organic Compounds-VOC	mg/Nm ³	<0.5	-	USEPA TO 18
5.	Hydrocarbons –HC	mg/Nm ³	BDL	-	IS 13270
6.	Mercury	mg/Nm ³	<0.005	-	USEPA 29

BDL: Denotes Below detectable level

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Ref: SVELC/ONGC-OGT/25-03/12

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : ETP

DATE OF COLLECTION : 28-03-2025

TEST REPORT

S. No.	Parameter	Unit	ETP INLET CRW	ETP INLET OWS	ETP OUTLET (Gourd pond)	Discharge Standards
1.	Colour	Hazen	2.1	1.4	<1.0	-
2.	Odour	--	Agreeable	Agreeable	Agreeable	-
3.	Particulate size of Suspended Solid	microns	<300	<300	<300	-
4.	pH	--	7.39	7.41	7.10	6.0-8.5
5.	Temperature	°C	29.8	29.0	28.8	-
6.	Total Suspended Solids	mg/l	83.0	26.0	17.0	20.0
7.	Chlorides as Cl	mg/l	263	514	397	-
8.	COD	mg/l	145	55.0	30.0	125
9.	BOD 5d 20°C	mg/l	53.0	21.0	11.0	15.0
10.	Oil & Grease	mg/l	<1.0	<1.0	<1.0	5.0
11.	Total residual Chlorine	mg/l	<0.1	<0.1	<0.1	-
12.	Total Kjeldahl Nitrogen	mg/l	0.18	0.13	0.10	40
13.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.001	<0.001	<0.001	0.35
14.	Copper as Cu	mg/l	0.04	0.03	<0.01	1.0
15.	Fluorides as F ⁻	mg/l	0.47	0.53	0.29	-
16.	Vanadium as V	mg/l	<0.01	<0.01	<0.01	0.2
17.	Iron as Fe	mg/l	0.05	0.02	0.02	-
18.	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	0.01
19.	Lead as Pb	mg/l	<0.01	<0.01	<0.01	0.1
20.	Zinc as Zn	mg/l	0.07	0.05	0.04	5.0
21.	Arsenic as As	mg/l	<0.01	<0.01	<0.01	-
22.	Selenium as Se	mg/l	<0.01	<0.01	<0.01	-
23.	Cadmium as Cd	mg/l	<0.001	<0.001	<0.001	-



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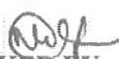
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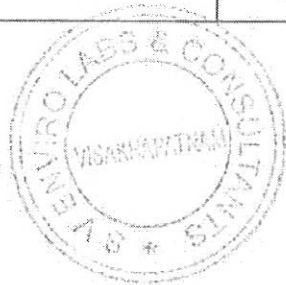
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24.	Manganese as Mn	mg/l	<0.01	<0.01	<0.01	-
25.	Hexavalent Chromium as Cr ⁶⁺	mg/l	<0.1	<0.1	<0.1	0.1
26.	Total Chromium	mg/l	<0.01	<0.01	<0.01	2.0
27.	Nickel as Ni	mg/l	<0.01	<0.01	<0.01	1.0
28.	Cyanide as CN	mg/l	<0.02	<0.02	<0.02	0.20
29.	Sulphide	mg/l	<0.1	<0.1	<0.1	0.5
30.	Ammonical Nitrogen	mg/l	<0.1	<0.1	<0.1	15.0
31.	Nitrate Nitrogen	mg/l	7.6	7.1	5.9	-
32.	Dissolved Phosphate	mg/l	1.03	0.82	0.44	-
Radioactive Materials						
33.	Alpha emitters	Bq/l	Not Detected	Not Detected	Not Detected	-NS-
34.	Beta emitters	Bq/l	Not Detected	Not Detected	Not Detected	-NS-

NS: Denotes Not Specified


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Ref: SVELC/ONGC-OGT/25-03/13

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : STP

DATE OF COLLECTION : 28-03-2025

TEST REPORT

S. No.	Parameter	Unit	STP INLET	STP OUTLET	Discharge Standards
1.	Colour	Hazen	<1.0	<1.0	-
2.	Odour	--	Agreeable	Agreeable	-
3.	Particulate size of Suspended Solid	microns	<300	<300	-
4.	pH	--	7.15	7.49	6.5-8.5
5.	Temperature	°C	29.2	29.8	-
6.	Total Suspended Solids	mg/l	18.0	7.0	20.0
7.	Chlorides as Cl	mg/l	184	39.0	-
8.	COD	mg/l	110	25.0	125
9.	BOD 5d 20°C	mg/l	39.0	9.0	15
10.	Oil & Grease	mg/l	<1.0	<1.0	5.0
11.	Total residual Chlorine	mg/i	<0.1	<0.1	-
12.	Total Kjeldahl Nitrogen	mg/l	0.49	0.14	40.0
13.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.01	<0.01	0.35
14.	Copper as Cu	mg/l	<0.01	<0.01	1.0
15.	Fluorides as F ⁻	mg/l	0.46	0.24	-
16.	Vanadium as V	mg/l	<0.01	<0.01	0.2
17.	Iron as Fe	mg/l	0.10	0.05	-
18.	Mercury as Hg	mg/l	<0.001	<0.001	0.01
19.	Lead as Pb	mg/l	<0.01	<0.01	0.1
20.	Zinc as Zn	mg/l	0.19	0.09	5.0
21.	Arsenic as As	mg/l	<0.01	<0.01	-
22.	Selenium as Se	mg/l	<0.01	<0.01	-
23.	Cadmium as Cd	mg/l	<0.001	<0.001	-
24.	Manganese as Mn	mg/l	<0.01	<0.01	-
25.	Hexavalent Chromium as Cr ⁶⁺	mg/l	<0.1	<0.1	0.1



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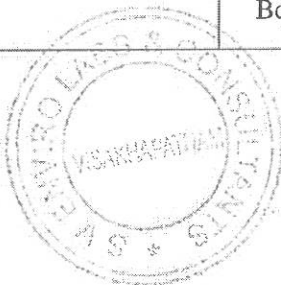
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26.	Total Chromium	mg/l	<0.01	<0.01	2.0
27.	Nickel as Ni	mg/l	<0.01	<0.01	1.0
28.	Cyanide as CN	mg/l	<0.02	<0.02	0.20
29.	Sulphide	mg/l	<0.1	<0.1	0.5
30.	Ammonical Nitrogen	mg/l	<0.1	<0.1	15.0
31.	Nitrate Nitrogen	mg/l	4.7	3.9	-
32.	Dissolved Phosphate	mg/l	3.4	1.0	-
Radioactive Materials					
33.	Alpha emitters	Bq/l	Not Detected	Not Detected	-NS-
34.	Beta emitters	Bq/l	Not Detected	Not Detected	-NS-

NS: Denotes Not Specified


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Ref: SVELC/ONGC-OGT/25-03/14

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : WASTE WATER

SOURCE OF COLLECTION : DM OUTLET

DATE OF COLLECTION : 28-03-2025

TEST REPORT

S. NO.	PARAMETER	UNIT	RESULT	Discharge Standards
1.	Colour	Hazen	<1.0	-
2.	Odour	--	Agreeable	-
3.	Particulate size of Suspended Solid	microns	<300	-
4.	pH	--	7.16	6.0-8.5
5.	Temperature	°C	29.8	-
6.	Total Suspended Solids	mg/l	9.0	20.0
7.	Chlorides as Cl	mg/l	43.0	-
8.	COD	mg/l	40.0	125
9.	BOD 5d 20°C	mg/l	13.0	15.0
10.	Oil & Grease	mg/l	2.0	5.0
11.	Total residual Chlorine	mg/l	<0.1	-
12.	Total Kjeldahl Nitrogen	mg/l	1.24	40
13.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	<0.01	0.35
14.	Copper as Cu	mg/l	<0.01	1.0
15.	Fluorides as F ⁻	mg/l	0.22	-
16.	Vanadium as V	mg/l	<0.01	0.2
17.	Iron as Fe	mg/l	0.07	-
18.	Mercury as Hg	mg/l	<0.001	0.01
19.	Lead as Pb	mg/l	<0.01	0.1
20.	Zinc as Zn	mg/l	<0.01	5.0
21.	Arsenic as As	mg/l	<0.01	-
22.	Selenium as Se	mg/l	<0.01	-
23.	Cadmium as Cd	mg/l	<0.001	-
24.	Manganese as Mn	mg/l	<0.01	-
25.	Hexavalent Chromium as Cr ⁶⁺	mg/l	<0.1	0.1



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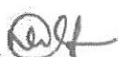
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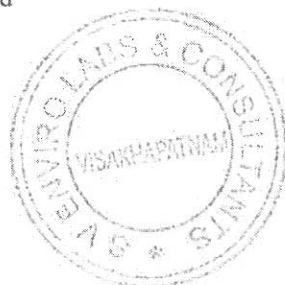
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26.	Total Chromium	mg/l	<0.01	2.0
27.	Nickel as Ni	mg/l	<0.01	1.0
28.	Cyanide as CN	mg/l	<0.02	0.20
29.	Sulphide	mg/l	<0.1	0.5
30.	Ammonical Nitrogen	mg/l	<0.1	15.0
31.	Nitrate Nitrogen	mg/l	<1.0	-
32.	Dissolved Phosphate	mg/l	<0.1	-
Radioactive Materials				
33.	Alpha emitters	Bq/l	Not Detected	-NS-
34.	Beta emitters	Bq/l	Not Detected	-NS-

NS: Denotes Not Specified


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Ref: SVELC/ONGC-OGT/25-03/015

Date: 07-04-2025

NAME AND ADDRESS : M/s. OIL AND NATURAL GAS CORPORATION LIMITED,
SURFACE HSE, HP-HT ASSET,
ONGC LOGISTICS PARK, APIIC INDUSTRIAL AREA,
VAKALAPUDI, KAKINADA, ANDHRA PRADESH-533005.

SAMPLING SITE : OGT, Mallavaram

SAMPLE PARTICULARS : NOISE LEVEL INTENSITY

DATE OF COLLECTION : 28-03-2025

TEST REPORT

S.No.	SOURCE OF COLLECTION	Noise levels measured in dB(A)		METHOD
		DAY	NIGHT	
1.	Near MCR Area	62.9	57.3	IS:4954 – 1968 Noise Level Meter
2.	C P P	59.8	53.6	
3.	Fire Water Pump House	65.3	60.1	
4.	Main Gate	69.1	63.8	
5.	Air/N2 Compressor Area	72.6	67.3	
6.	Cooling tower	68.9	63.1	
7.	Operator Cabin Area	70.2	64.7	
8.	Train -1	72.8	67.3	
CPCB Standards		75.0	70.0	

AUTHORIZED SIGNATORY

August 27, 2024

Oil And Natural Gas Corporation Limited

B1 Green Hills Tel Bhawan Kaulagarh, Road Dehradun
Dehradun Uttarakhand 248001 Dehradunpincode - 248001,
Dehradun, Uttaranchal-248001
8976946020

Dear Customer,

Sub: Public Liability Insurance (Under PLI Act 1991) Policy No: 3133206745940500000

We thank you for having preferred us for your *Insurance* requirements. We at HDFC ERGO General Insurance believe "*Insurance*" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary: Not Applicable

Intermediary Code: Not Applicable

Where the proposal form is not received, information obtained from you or your representative /broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and /or other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcergo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,



Authorised Signatory

Public Liability Insurance (Under PLI Act 1991)

SCHEDULE

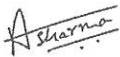
Policy No: 3133206745940500000

Item 1.	Insured	:	Oil And Natural Gas Corporation Limited
Item 2.	Producer	:	Not Applicable
Item 3.	Financial Interest	:	Not Applicable
Item 4.	Mailing address of the Insured	:	B1 Green Hills Tel Bhawan Kaulagarh, Road Dehradun Dehradun Uttarakhand 248001 Dehradunpincode - 248001, Dehradun, Uttaranchal, 248001.
Item 5.	Pan Card Number	:	AAACO1598A
Item 6.	Business	:	Heavy Engineering Workshop
Item 7.	Policy Period	:	From 00:01 hours : 14 August 2024 To (Midnight) : 13 August 2025
Item 8.	Premium	:	Rs. 54,598.00
Item 9.	Premium & Coverage Statement	:	Refer to Page 2
	9.1 Premium Computation		
	9.2 Insurance Limits & Excess		
Item 10.	Clauses, Conditions & Warranties :		

Form Number	Form Name	Effective Date	Date Issued
PL-02-0032	Policy Schedule	14 August 2024	27 August 2024
PL-02-0031	Insurance Contract	14 August 2024	27 August 2024
XX-XX-XXX1	ARBITRATION OPTED: No	14 August 2024	27 August 2024

Subject otherwise to terms and conditions of Public Liability Insurance Policy.

Signed for and on behalf of HDFC ERGO General Insurance Company Limited, on 27 August 2024



Authorised Signatory

GST Registration No: 27AABCL5045N1Z8. The contract will be cancelled ab initio in case; the consideration under the policy is not realized.

The stamp duty of Rs. 1/- (Rupees One And Zero Paise Only) paid vide e-stamp Certificate No.(LOA/ENF-1/CSD/34/2023/ Validity Period Dt. 28/12/2023 to Dt. 31/12/2026. OW No. 6045 Date 27/Dec/2023 GRN NO. MH011651000202324M Dt. 05/12/2023, SBI Bank & DEFACE No. 0006692260202324 Dt. 21/12/2023) dated 27/12/2023 as prescribed in Government of Maharashtra Order No. Mudrank-2017/CR.97/M-1, dated the 09th January 2018".

Note: Where the proposal form is not received, information obtained from insured, whether orally or otherwise, is captured in the policy document. Discrepancies, if any, in the information contained in the policy document may be pointed out by an insured within 15 days from the policy issue date after which information contained in the policy document shall be deemed to have been accepted as correct.

FORM 3

[See rules 6(5), 13(7), 14(6), 16(5) and 20 (1)]

FORMAT FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES

1. Name and address of the facility: **Oil & Natural Gas Corporation Limited,
Onshore Gas Terminal,
R.Sy. No: 632/3, 643/3, 646/6 & 7
Mallavaram (V), Tallarevu (M),
East Godavari District-533463, A.P**
2. Date of issuance of authorization and its reference number: **APPCB/VSP/KKD/
323/HO/CFO/2018 Dated: 31/12/2018**
3. Description of hazardous and other wastes handled (Generated or Received)

Date	Type of waste with category as per Schedules I, II and III of these rules	Total quantity	Method of Storage	Destined to or received from
FY 2024-25	Waste/ Used Oil	3.853 KL	spiked into gas condensate for reuse	Generated

** Fill up above table separately for indigenous and imported waste.*

4. Date wise description of management of hazardous and other wastes including products sent and to whom in case of recyclers or pre-processor or utilizer: **NIL**
5. Date of environmental monitoring (as per authorization or guidelines of Central Pollution Control Board): **07.04.2025**

Prabal Sengupta
23/7/25

Signature of Occupier/Manager

Date:

Place: Kakinada



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada

FORM 4
[See rules 6(5), 13(8), 16(6) and 20 (2)]
FORM FOR FILING ANNUAL RETURNS
FY- 2024-25

1. Name and address of facility: **Oil & Natural Gas Corporation Limited,
Onshore Gas Terminal,
R.Sy. No: 632/3, 643/3, 646/6 & 7
Mallavaram (V), Tallarevu (M),
East Godavari District-533463, A.P**
2. Authorisation No. and Date of issue: **APPCB/ VSP/KKD/323/HO/CFO/2018
Dated: 31/12/2018**
3. Name of the authorised person and full address with telephone and e-mail:
**Mr. Prabal Sengupta
ED – Surface Manager,
Oil & Natural Gas Corporation Limited,
Onshore Gas Terminal,
R.Sy. No: 632/3, 643/3, 646/6 & 7
Mallavaram (V), Tallarevu (M),
East Godavari District-533463, A.P
Tel. No. 0884-2325051
Email: sengupta_prabal@ongc.co.in**
4. Production during the year (product wise), wherever applicable
**Natural Gas (Sale gas): 145.53 MMSCM (Product)
Captive Power: 22452 MWH (Product)
Condensate: 792.88 MT (By-Product)
Sulphur: NIL (By-Product)**

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise: **ETP Sludge: NIL
Drill Cuttings: NIL
Waste/ Used Oil: 3.853 KL**
2. Quantity dispatched
 - (i) to disposal facility: **NIL**
 - (ii) to recycler or co-processors or pre-processor : **NIL**
 - (iii) others : **NIL**
3. Quantity utilised in-house, if any- **NIL**
4. Quantity in storage at the end of the year- **Waste/ Used Oil: Nil
ETP Sludge: NIL**

Part B. To be filled by Treatment, storage and disposal facility operators

- | | |
|---|----------------|
| 1. Total quantity received - | Not Applicable |
| 2. Quantity in stock at the beginning of the year - | Not Applicable |
| 3. Quantity treated - | Not Applicable |
| 4. Quantity disposed in landfills as such and after treatment - | Not Applicable |
| 5. Quantity incinerated (if applicable) - | Not Applicable |
| 6. Quantity processed other than specified above - | Not Applicable |
| 7. Quantity in storage at the end of the year - | Not Applicable |

Part C. To be filled by recyclers or co-processors or other users

- | | |
|--|----------------|
| 1. Quantity of waste received during the year | Not Applicable |
| (i) Domestic sources - | |
| (ii) Imported (if applicable) - | |
| 2. Quantity in stock at the beginning of the year - | Not Applicable |
| 3. Quantity recycled or co-processed or used - | Not Applicable |
| 4. Quantity of products dispatched (wherever applicable) - | Not Applicable |
| 5. Quantity of waste generated - | Not Applicable |
| 6. Quantity of waste disposed - | Not Applicable |
| 7. Quantity re-exported (wherever applicable) - | Not Applicable |
| 8. Quantity in storage at the end of the year - | Not Applicable |

Prabal Sengupta
23/7/25

Date:
Place: Kakinada

Signature of the Occupier/ Manager



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada

[FORM – V]

Environmental Statement for the financial year ending the 31st March, 2025

PART – A

(i) Name and address of the owner/occupier of the industry operation or process.	M/s. Oil & Natural Gas Corporation Ltd., Mallavaram Onshore Gas Terminal, Mallavaram Village, Tallarevu Mandal, East Godavari District.
(ii) Industry category Primary STC code Secondary SIC Code	Red
(iii) Production category, Units	Natural Gas (Sale gas): 145.53 MMSCM (Product) Captive Power: 22452 MWH (Product) Condensate: 792.88 MT (By-Product) Sulphur: NIL (By-Product)
(iv) Year of establishment	04.08.2014
(v) Date of the last environmental statement submitted	12.09.2024

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
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	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	165 KLD (trade effluent) and 80 KLD (Domestic Effluent)	1) Oil and Grease – <1 mg/l 2) TSS- 17 mg/l	0
Air		1) PM ₁₀ - 69.3 µg/m ³ 2) PM _{2.5} – 30.1 µg/m ³ 3) SO ₂ - 15.7 µg/m ³ 4) NO _x - 16.9 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 (2023-24)	During the current Financial year (2024-25)
From process	- Used oil – 2.442 KL - ETP Sludge - Nil	- Used oil – 3.853 KL - ETP Sludge - Nil
From Pollution Control Facilities	Nil	Nil

PART – E

Solid Wastes

Solid Waster	Total Quantity (Kg.)	
	During the previous Financial Year (2023-24)	During the current financial year (2024-25)
From process	Lead Acid Batteries- Nil 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 gas condensate for reuse.
2. Ni-Cd batteries shall be taken back by supplier under buyback policy.
3. ETP Sludge – In-Situ Bioremediation

PART – G

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

1. Regular monitoring of ambient air quality, stack emissions and effluent quality have been taken up.
2. ETP for treating effluents as per standards prescribed by APPCB.

PART – H

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

- 1) Industry is continuously developing green belt in industrial plots & common facilities.
- 2) Continuous Monitoring of Air Emissions

PART – I

Any other particulars for improving the quality of the environment:

Continuous green belt development along road sides and in the premises.

Signature *Prabal Sengupta*
23/7/25

Designation



PRABAL SENGUPTA
Executive Director
Surface Manager
EOA & HPHT Asset
ONGC, Kakinada

[FORM – V]

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PART – B

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Cooling	:	Nil
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		During the previous financial Year	During the Current financial Year
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.

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(Parameter as specified in the consent issued)

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PART – E

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