



ओएनजीसी, अंकलेश्वर परिसम्पत्ति,

परिसम्पत्ति एच एस ई,

ज़िला-भरुच, गुजरात-३९३०१०

ONGC, Ankleshwar Asset,

Asset HSE,

Dist. Bharuch, Gujarat – 393010

No.: ONGC/AST/HSE/EC/Allabet/2026-27

Date: 23.06.2026

To: Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Gandhi Nagar,
A-Wing – 407 & 409,
Aranya Bhawan,
Near CH-3 Circle, Sector-10A,
Gandhi Nagar – 382010

Sub: Six Monthly compliance of Environment Clearance (EC) conditions

Ref.: EC Letter. No. J- 11011/339/2016-IA.II (I) dated 22.04.2020

Sir,

This is in respect to aforementioned Environment Clearance letter regarding "Development drilling of four wells by M/s Oil and Natural Gas Corporation Limited under the NELP-V offshore Block CB-OSN-2003/1 at Aliabet Field, Ankleshwar Asset (Gujarat).

Six monthly compliance status for the period 01.10.2025 to 31.03.2026 w.r.t various stipulations of the clearance along with supporting documents is attached herewith.

With Regards,

Mainul Karim

Head HSE, ONGC Ankleshwar Asset

मैनुल करीम / MAINUL KARIM
मुख्य महाप्रबंधक / Chief General Manager
प्रधान-एच एस ई / Head HSE
ONGC Ankleshwar Asset, Ankleshwar

**Compliance of Conditions in Environmental Clearance
(Compliance Report)**

Compliance report for 01.10.2025-31.03.2026

Env. Clearance No. J-11011/339/2016-IA-II(I)

Name of Project: Development drilling of four wells by M/s Oil and Natural Gas Corporation Limited under the NELP-V offshore Block CB-OSN-2003/1 at Aliabet Field, Ankleshwar Asset (Gujarat).

Sl. No.	Specific Conditions	Compliance Status
i.	Conditions stipulated by the GCZMA shall be satisfactorily implemented.	Complied.
ii.	No drilling shall be carried out in Protected Areas.	Drilling Activities done does not fall under the Protected Areas.
iii.	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the state pollution Control Board.	Consent to Establish (CTE) for drilling of four wells has been obtained from Gujarat Pollution Control Board (GPCB) as per Water Act, 1974 and Air Act, 1981. Details of CTE are as follows: 1. GPCB CTE No. 95046 dated 07.09.2018 2. GPCB CTE No. 96122 dated 22.10.2018 3. GPCB CTE No. 96109 dated 22.10.2018 4. GPCB CTE No. 96089 dated 22.10.2018
iv.	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste / treated water shall be discharged to any surface water body, sea and / or on land. Mobile ETP along with RO plant shall be installed to treat the wastewater.	All the wastewater, mud and cuttings generated from drilling activity are being stored in HDPE lined pits and mobile ETP are used to treat the wastewater. No waste/ treated water is discharged to any surface water body, sea and /or land.
v.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and / or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB / SPCB guidelines.	Complied. If any amount of gas is produced during drilling, there is provision of flaring in place which is in accordance with OISD guidelines and as prescribed by CPCB. No ground flaring is resorted to.
vi.	Necessary authorizations required under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Consent to Establish (CTE) for drilling of four wells has been obtained from Gujarat Pollution Control Board (GPCB) as per Water Act, 1974 and Air Act, 1981. Details of CTE are as follows: 1. GPCB CTE No. 95046 dated 07.09.2018 2. GPCB CTE No. 96122 dated 22.10.2018 3. GPCB CTE No. 96109 dated 22.10.2018 4. GPCB CTE No. 96089 dated 22.10.2018. During drilling water-based mud is used and no hazardous /toxic chemicals are used. However as precautionary measure MSDS of chemicals are displayed at site.

Sl. No.	Specific Conditions	Compliance Status
vii.	Ambient air quality shall be monitored at the nearest human settlement as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, SO2, NOX, CO, CH4, HC, Non-methane HC etc.	Ambient air quality is being monitored through a Third party as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009, within and up to the premises of drill site. The concentrations of all parameters are within permissible limits. Reports are attached at Annexure 1.
viii.	During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera /appropriate technology.	Fugitive emission monitoring is being carried out at installations using IR camera. Additionally, fixed and portable hydrocarbon and H2S detectors are also used at sites.
ix.	The project proponent also to ensure trapping / storing of the CO2 generated, if any, during the process and handling.	ONGC Ankleshwar is doing many projects for carbon offsetting like plantation, electric vehicles, solar power projects, etc. ONGC is also exploring partnerships in the area of CCUS.
x.	Approach road shall be made pucca to minimize generation of suspended dust.	Approach roads to drill site are made pucca to minimize generation of suspended dust during transportation of rig equipment, etc.
xi.	The company shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.	Acoustic enclosures have been provided with DG sets to reduce noise within permissible limits.
xii.	Total fresh water requirement shall not exceed 25 cum/day proposed to be met tanker supply, and prior permission shall be obtained from the concerned regulatory authority.	During the drilling activity, the average water requirement is less than 25 m3 per day.
xiii.	The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Diesel storage tank, POL storage area, mud pumps, cellar pit, mud tanks, etc. have their dedicated containment which drain wastewater in HDPE lined waste pit. The waste pits have enough volume to take care of wastewater and prevent any runoff. The drilled cuttings and other wastes are collected in HDPE lined waste pits and solar dried.

Sl. No.	Specific Conditions	Compliance Status
xiv.	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent / drilling mud/ drill cutting shall be discharged / disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR. 546(E) dated 30th August, 2005.	Drilling wastewater including drill cuttings wash water is collected in disposal pit lined with HDPE lining. No effluent / drilling mud/ drill cutting were discharged / disposed of into nearby surface water bodies. Water Based mud is used and tested for hazardous contaminants. All parameters are found to be within permissible limits. Copy of analysis reports enclosed at Annexure 2.
xv.	Water requirement for onshore drilling is permitted to the tune of 25 M3 per day per well. PP to install Mobile ETP coupled with RO to reuse the treated water in drilling system. Size of the waste shall be equal to the Hole volume + volume of drill cutting and volume of discarded mud if any. Two feet free board may be left to accomodate rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above.	Water used for onshore drilling is less than 25 m3 per day per well. All the wastewater, mud and cuttings generated from drilling activity are being stored in HDPE lined pits and mobile ETP are used to treat the wastewater. Following actions are taken to reduce freshwater consumption. 1. Treated effluent water is used for mud and brine preparation and cleaning purposes. 2. Mud is recycled to the maximum possible extent.
xvi	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage / contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to authorised recyclers.	Regular maintenance is being carried out to prevent any leakages. In case of oil spill and contamination of soil thereof, ONGC is equipped with the Oil zapper technology to address such eventualities. It is notable that oil zapper is a bioremediation technology developed by a subsidiary company of ONGC, M/s ONGC Teri Biotech Ltd. which is being used across oil industry.
xvii	The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operations.	At ONGC Ankleshwar each drilling rig has fixed fire-fighting system and portable extinguishers in accordance with OISD 189. All personnel posted at drill site are trained in firefighting. Hot jobs are controlled through a permit system i.e., Hot Work Permit System. All the quantity of gas coming across testing is flared through elevated flare equipped with separator and knock out drum. No ground flaring is resorted to.
xviii	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk	H ₂ S detectors are available at drilling rigs. However, it is pertinent to mention that H ₂ S is not encountered during drilling operations in oil fields of Ankleshwar Asset.

Sl. No.	Specific Conditions	Compliance Status
	exposure along with self-containing breathing apparatus.	
xix.	The company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.	In order to study occurrence of Land Subsidence due to exploration of oil and gas, DGH had conducted study through Central Mining Research Institute (during 2004-06), to assess the land subsidence in a gas field (Cambay Basin) in Gujarat. It was concluded that only few seasonal local minor negligible level changes were detected in the area under study, indicating overall the area is stable.
xx.	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	At ONGC Ankleshwar, appropriate Blow Out Preventer (BOP) systems having a set of Annular and RAM BOPs is installed to prevent well blowouts during drilling operations. Function test of BOPs is carried out frequently and care is taken to maintain proper hydrostatic pressure in the well bore during drilling, logging and other well operations by maintaining mud weight.
xxi.	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. Of India.	ONGC Ankleshwar has Site specific Emergency Response Plan (ERP) and Disaster Management Plan (DMP) for Asset based on potential hazards (Copy enclosed at Annexure Sl. No.3). These documents are prepared as per guidelines of OISD, DGMS and Govt. of India.
xxii.	On completion of the project, necessary measures shall be taken for safe plugging of wells with secured enclosures to restore the drilling site to the original condition. The same shall be confirmed by the concerned regulatory authority from Environmental Safety angle. In case of hydrocarbon not found economically viable, a full abandonment plan shall be implemented for the drilling site in accordance with applicable Indian Petroleum Regulations.	No well was abandoned during the period in question. However, in case of any abandonment & restoration of project site, report shall be conveyed to Ministry's regional office at Bhopal. Further, ONGC has formulated a well-defined and plausible abandonment and restoration procedure which shall be followed in the event of decision taken to abandon the well.
xxiii.	At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Projects under CER are being identified and implemented in and around Aliabet field. Additionally, 2% of average net profit of ONGC is earmarked for CSR (Corporate Social Responsibility) projects which include components of health, education, water, solar lights, ecological development in and around operational area, as directed by GOI.
xxiv.	No lead acid batteries shall be utilized in project / site.	No lead acid batteries are used during drilling activities.

Sl. No.	Specific Conditions	Compliance Status
xxv.	Occupational health surveillance of the workers shall be carried out as per prevailing Acts and Rules.	Periodical Medical Examination (PME) of employees is carried out as per PME policy of ONGC. Dedicated occupational health centre and Emergency health centre are also available at ONGC Ankleshwar.
xxvi.	Oil content in drill cuttings shall be monitored by some Authorised agency and report shall be sent to the Ministry's Regional Office.	Drill cuttings are analyzed for oil content through GPCB recognized laboratory. (Copy of Monitoring Report at Annexure-2).
xxvii.	Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of Environmental manual shall be made available at the drill site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.	Standard Operating procedures for drilling operations covering safety and environmental aspects of operations and management thereof, has been made available at all drilling rigs. Statutory provisions related to Environment and Safety domain have been incorporated in ISO certification through a site-specific Legal Register. All the work centres at ONGC Ankleshwar are certified with ISO 14001:2015 i.e. Environment Management System and ISO 45001:2018 i.e. Occupational Health and Safety Management System

B.	General Conditions	Compliance Status
(i)	The project proponent shall obtain all other statutory / necessary permissions/ recommendations/ NOCs prior to start of construction / operation of the project, which inter alia include, permission / approvals under the Forest (Conservation) Act, 1980; the Wildlife (Protection) Act, 1972; the Coastal Regulation Zone Notification, 2019, as amended from time to time, and other Office Memoranda / Circular issued by the Ministry of Environment, Forest and Climate Change from time to time, as applicable to the project.	As mentioned at specific condition no. (iii), Consent to Establish (CTE) for drilling of four wells has been obtained from Gujarat Pollution Control Board (GPCB) under Water Act, 1974 and Air Act, 1981. GCZMA had recommended for CRZ approval, based on which CRZ approval has been received along with EC. As there is no Reserve Forest / Wildlife Sanctuary falling in the project area; hence requirement of prior Wildlife clearance is not applicable.
(ii)	The project proponent shall ensure compliance of 'National Emission Standards', as applicable to the project, issued by the Ministry from time to time. The project proponent shall also abide by the rules / regulations issued by the CPCB / SPCB for control / abatement of pollution.	The National Emission Standards, as applicable to the projects issued by the Ministry from time to time are being followed.
(iii)	The project authorities shall adhere to the stipulations made by the state Pollution Control Board / Committee, Central Pollution Control Board, State Government and any other Statutory Authority.	ONGC, Ankleshwar is strictly adhering to the stipulations made by the Gujarat Pollution Control Board and the State Government. All the oil and gas processing installations wherein the oil and gas produced during exploratory and development drilling is processed are operating under consolidated consent and authorisation (CCA) from GPCB. Monthly and annual returns are filed online on XGN site as per the conditions stipulated in CCA.
(iv)	The project proponent shall make a site specific conservation plan and wildlife management plan in case of presence of Schedule-I species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest / Wildlife Department in a time bound manner.	Presence of any Schedule-I Wildlife species has not been encountered as per EIA study at project site.

(v)	No further expansion or modification in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out prior to approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	So far no expansion or modification in the project has been carried out. In future, if any expansion or modification in the project to be taken-up, the same will be intimated to MoEF&CC.
(vi)	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.	LED based lighting is used during drilling.
(vii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upward and downward direction as well as where maximum ground level concentrations are anticipated.	Ambient air monitoring analysis is carried out by an MOEF&CC & GPCB recognised agency. The values of ambient air quality parameters are within the permissible limit. Reports are attached at Annexure 1.
(viii)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Complied and analysis reports are enclosed at Annexure 1, All parameters are under permissible limits.
(ix)	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including accoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise level in and around the rig area is well within the standards. The ambient noise levels also conform to the standards prescribed under EPA Rules, 1986. (Copy of Monitoring Report enclosed Annexure -4)
(x)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	No permanent structure will be erected at this project site. However, it is worth mentioning that Rainwater harvesting structure has been constructed at Workshop complex of ONGC Ankleshwar and ONGC Ankleshwar residential township.

(xi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Regular safety and environment training is being provided to the employees by our various in- house training institutes like IPSHEM Goa, IDT and ONGC Academy at Dehradun and GVTC - Ankleshwar etc. Also at ONGC PME of all employees is carried out as per Company Policy and guidelines issued by DGMS.
(xii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	A detailed Environment Management Plan has been outlined during EIA study. Recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project will be implemented during and after completion of drilling activity.
(xiii)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.	ONGC has been proactively contributing to the society through various CSR projects which includes areas such as Health, education, Women development, drinking water supply, solar lights, ecological development in and around operational area. Proposals of various stakeholders such as residents, villagers, NGOs, Government departments, local representative bodies are also considered for expenditure under CSR. CER activities are also being carried out by involving local villages and administration. Details of expenditure made under CER & CSR is placed at Annexure-5.
(xiv)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Eco-developmental measures and Community welfare measures in the project area are carried out through CER & CSR activities. Details of expenditure made under CER & CSR is placed at Annexure-5.
(xv)	A separate Environmental Management Cell (having qualified person with Environmental Science / Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate unit of Environment Management exists at both Operational base level and corporate level where qualified Environmental Engineering persons have been posted. Full-fledged laboratory facility is also available.
(xvi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management /pollution control measures	Sufficient funds have been earmarked in annual budget towards capital cost and recurring cost per annum to implement the conditions stipulated with EC.

	shall not be diverted for any other purpose.	
(xvii)	A copy of clearance letter shall be sent by the project proponent to concerned panchayat, Zilla Parishad / Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ presentations, if any, were received while processing the proposal.	The communication of the environmental clearance has been made to all the relevant stakeholders by way of publishing the same in the leading newspapers. The EC is also posted on the Website of ONGC.
(xviii)	The project proponent shall also submit Six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied
(xix)	The environmental statements for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	After completion of drilling and if any oil and gas is produced from the well, it is subjected to the nearby production installation for processing and thus becomes part of that installation. All the installations at ONGC Ankleshwar are operating under valid Consolidated Consent and Authorisation granted by Gujarat Pollution Control Board (GPCB) and accordingly Environment Statement as per Form-V is submitted annually.

(xx)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may be also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.	Information regarding grant of EC for the project was passed on to all stake holders and the same was advertised in daily newspapers- 'Times of India' in English and 'Sandesh' in local vernacular language Gujarati on 29.04.2020. (Copy attached at Annexure-6)
(xxi)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted. The details prescribed in EC conditions are furnished in six monthly compliances to regional office of MoEFC&C, Bhopal and Gandhinagar.
(xxii)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.

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space not given

ABBREVIATION

BOD	:	BIOCHEMICAL OXYGEN DEMAND
CC & A	:	CONSOLIDATED CONSENT & AUTHORIZATION
CETP	:	COMMON EFFLUENT TREATMENT PLANT
COD	:	CHEMICAL OXYGEN DEMAND
D.G.	:	DIESEL GENERATOR
dB	:	DESIBLE
EAR	:	ENVIRONMENTAL AUDIT REPORT
EMS	:	ENVIRONMENT MANAGEMENT SYSTEM
EPA	:	ENVIRONMENTAL PROTECTION AGENCY
HP	:	HORSE POWER
IS	:	INDIAN STANDARD
KL	:	KILO LITER
KLD	:	KILO LITER PER DAY
KVA	:	KILO VOLT AMPERE
KWH	:	KILO WATT HOUR
Lit	:	LITER
MLD	:	MILLION LITER PER DAY
MT	:	METRIC TONNE
NOC	:	NO OBJECTION CERTIFICATE
NABL	:	NATIONAL ACCREDITATION BOARD FOR TESTING LABORATORIES
PLI	:	PUBLIC LIABILITY INSURANCE
PM	:	PARTICULATE MATTER
ppm	:	PARTS PER MILLION
RAS	:	RETURN ACTIVATED SLUDGE
SS	:	SUSPENDED SOLID
TDS	:	TOTAL DISSOLVED SOLID
TSDF	:	TREATMENT STABILIZATION & DISPOSAL FACILITY
UASB	:	UP FLOW ANEROBIC SLUDGE BLANKET
kg	:	KILO GRAM
BEIL	:	BHARUCH ENVIRON INFRASTRUCTURE LIMITED

EXECUTIVE SUMMARY

Hon'ble High court of Gujarat order for the Environmental Audit Scheme dated 20th December 1996, 13th March 1997, 16th September 1999, 29th June 2002, 22nd April 2010 and modified vide order dated 23rd January 2015, **SHREE DHANVANTARY COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT** is nominated as **Auditor** to carry out Environmental Audit work for the industries falling under **Schedule – I** category.

PREFACE OF THE COMPAN

M/s. ONGC CTF, PILUDRA is situated at Piludra, Ta: Ankleshwar, Dist.: Bharuch, engaged in processing of crude oil & Natural Gas after Exploration through various Drill Sites of Ankleshwar Oil Field(Area I & Area II).The firm is established in January, 1962.

The environmental audit was carried out with the standard practise by routine visits or the monitoring and data collection. The environmental audit report is prepared based on the analysis of monitoring parameters and data given by the industry with respect to production, raw material consumption and utility consumption.

OBJECTIVES TO CONDUCT ENVIRONMENTAL AUDIT

- 1) To check the adequacy & efficacy of the effluent treatment plant, gaseous emission, solid waste, ambient air, noise, health and safety systems.
- 2) To check various records of Environment Management System.
- 3) To check whether company meets with all required norms of state regulatory agency that is Gujarat Pollution Control Board regarding environmental pollution control.

OPERATIONAL BRIEFING

The above-mentioned objectives have been fulfilled through meaningful inspection visits and precise study of its manufacturing system & pollution control facilities.

- 1) GPCB has appointed Dhanvantary College of Engineering and Technology to prepare Environmental Audit Report for the year of 2024-25. This report consists of concerned data for the month of Apr' 2024–Mar' 2025 verified by our authorized representatives.
- 2) The findings reported in this audit report are entirely based on data furnished by the industry & data collected by the audit team during the month of April' 2024– Mar'2025.

- 3) Thus, the findings reported in this audit report are subjected to physical surveys & monitoring conducted by the audit team representatives.

• OBSERVATIONS & RECOMMENDATION:

Please check CCA

- The industry has obtained CCA No. AWH – 116237 dated 12.05.2021 with amendment dated 17.12.2021 & 15.03.2023, which was amended vide CCA Amendment No. AWH – 134539 dated 10.07.2024 & 10.10.2024 valid upto 14.12.2025.
- The industry has established and implemented Integrated Management System comprising of Environmental Management System in accordance with EMS: ISO 14001:2015, Quality Management System in accordance with ISO 9001:2015 and Occupational Health and Safety Management System in accordance with ISO 45001:2018 & Energy Management System ISO 50001:2018.
- Factory display board provided at main gate with online display of power generation, hazardous waste, wastewater, water etc.
- Industry is maintaining proper records of month wise data regarding power consumption, production, water consumption, wastewater generation & reuse, Fuel consumption, hazardous waste generation & disposal, etc.
- Water consumption, wastewater generation & fuel consumption is within consent limit.
- ETP plant was in operation & found satisfactory during our visits.
- At inlet and final outlet of ETP, magnetic flow meter is installed, and it was in working condition.
- During audit period, the company has installed 20 KL/day capacity STP found in operation and Domestic wastewater is treating in it. Treated water is then used for horticulture/gardening.
- Ambient air quality & flue gas emission was well within CCA norms as per our analysis reports of collected samples. CEMS is provided at flue gas stack.
- Used oil and discarded containers/barrels are sent to registered recycler.
- Fly ash is being sent to Cement industries & Fly Ash based product manufactures (Brick manufacturer & Concrete manufacturer) and records for the same are maintained.
- Health records of the employees are maintained properly.
- The industry has prepared Onsite Emergency Action Plan - Disaster Management Plan which has been implemented to take care of any eventualities. The plan is reviewed as per defined frequency and is being updated as per requirements.
- The industry is carrying out Monthly Environmental monitoring of Consented parameters for Stack (PM, SO₂, NO_x), Ambient, Effluent, Fugitive, Noise through Third Party Approved Laboratory and report of the same is submitted to GPCB on monthly basis. Similarly, a six monthly report is also being sent to MoEF&CC.
- Adequate stack monitoring facilities like portholes, ladder, platform, lighting arrangement, sampling point etc. are provided by the industry.
- Health surveillance program to monitor health of the employees is observed to be proper.

THE ENVIRONMENTAL AUDIT REPORT
(APRIL 2024 TO MARCH 2025)

ENVIRONMENTAL AUDIT REPORT **(April 2024 – March 2025)**

(A) GENERAL																				
1 Name of the Industry	M/s. ONGC CTF, Piludra																			
2 Location	Piludra																			
3 Registered Office Address	New office Building, ONGC Ankleshwar, Tal- Ankleshwar, Dist-Bharuch-393010																			
4 Month & year of establishment	26/01/1962																			
5 (a) No. of Workers employed (b) Male / Female	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Employee</th> <th style="width: 15%;">Male</th> <th style="width: 15%;">Female</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Company</td> <td style="text-align: center;">63</td> <td style="text-align: center;">0</td> <td style="text-align: center;">63</td> </tr> <tr> <td>Contract</td> <td style="text-align: center;">54</td> <td style="text-align: center;">2</td> <td style="text-align: center;">56</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">117</td> <td style="text-align: center;">2</td> <td style="text-align: center;">119</td> </tr> </tbody> </table>				Employee	Male	Female	Total	Company	63	0	63	Contract	54	2	56	Total	117	2	119
Employee	Male	Female	Total																	
Company	63	0	63																	
Contract	54	2	56																	
Total	117	2	119																	
6 No. of electrical connection & service numbers. Total connected load Electrical consumption per ton of product manufactured Percentage enhancement energy saving as compared to previous year.	a) Two. Service No- 39233-350 KVA Boiler, 39323-1400 KVA, LPG b) Total Power load is 1000KVA c) As per Annexure – 2																			
7 Number(s) of D.G. Sets & their capacities	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Sr.No.</th> <th style="width: 25%;">D.G. Sets</th> <th style="width: 20%;">Capacity, KVA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">01</td> <td style="text-align: center;">500</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">01</td> <td style="text-align: center;">380</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">01</td> <td style="text-align: center;">160</td> </tr> </tbody> </table>				Sr.No.	D.G. Sets	Capacity, KVA	1	01	500	2	01	380	3	01	160				
Sr.No.	D.G. Sets	Capacity, KVA																		
1	01	500																		
2	01	380																		
3	01	160																		
8 Name / residential address of all directors /partners, Telephone Nos. (Residential & Industrial), Fax No. & E - mail Address of industry & partners / Directors	As per Annexure – 3																			
9 No. of shifts & timings Please check timings	1st Shift: A : 07:00 AM - 03:00 PM 2nd Shift: B : 03:00 PM - 11:00 PM 3rd Shift: C : 11:00 PM - 07:00 AM General Shift : 08:30 AM - 05:30 PM																			

10 Name and address of the in charge of Environment / safety Division / Cell / Unit	Sujit Pawar, EE(P)- CTF Complex, SE(P) Near Piludra Village, Ankleshwar
11 No. of days during which production activities were in operation during the period covered for it (for audit)	No. of working days:365 As per Annexure- 4
12 Has the industry obtained ISO 9000/ ISO 14000/ ISO 45000/ OSHAS 18000/ Any other EM accreditation/ Certificate or recognition?	As per Annexure- 5
13 Whether the industry has adopted cleaner production/cleaner technology/CDM?	- The industry uses bioremediation as a cleaner production technology by decomposing the oily sludge within the company premises. - Process upgradation and optimization has been done to minimize gaseous emission through flare gas.

(B) PRODUCTION DETAILS

1 Name of products & capacity with yield / purity per day	As per Annexure -6
2 Name of all by - products and its quantity per day.	As per Annexure -6
3 Date of commencement of production for each product.	June 2015 Check
4 All raw materials required for one kg of the products.	As per Annexure - 9
5 Whether the manufacturing process is continuous or batch wise. Indicate the batch size. If the process is batch wise, no. of batches /month along with the duration for completion of each batch.	Continuous Process
6 Detailed manufacturing process with flow diagram, list of unit operations & processes with all chemical reactions, along with the time required (in hrs.) For completion of each unit operation /	As per Annexure -10

process and the total time for completion of the entire batch. Mass balance in respect of the quantity of water input of raw materials and wastewater generation.	
(C) WATER	
1 The quantity of water consumed per day as well as per ton of product manufactured (Please also enclose water balance diagram)	Details of Water Consumption As Per Annexure – 11 Water Balance Diagram As per Annexure – 12
2 The quantity of wastewater (trade waste) generated per ton of each product per day, as well as per batch.	Month wise wastewater generation is given As per Annexure – 11
3 The particulars of effluent treatment i.e. (i) Name & size of each unit (ii) The capacity of the ETP (iii) Flow diagram & hydraulic diagram (iv) Whether lighting arrangement around ETP is provided (v) Whether the separate energy meter for effluent treatment plant area is installed. If provided reading of the meter for consumption every month. (vi) Whether flow meter is provided at the inlet & outlet of ETP. Please indicate the type of the flow meter	As per Annexure – 13 Process description of ETP is given. Capacity of ETP: 900 m ³ /day 6000 m ³ /day As per Annexure – 14 Yes, adequate lighting is provided Yes, energy meter installed. Yes, only at ETP outlet, Ultrasonic flow meter with recorder.
4 The method of disposal of effluent & the final point of disposal of effluent (please attach Sketch)	Reinjection into abandoned wells. (Subsurface disposal)
5 The quality of trade effluent before & after treatment as well as at the end of each stage of treatment	As per Annexure – 1
6 The quantity and quality of sewage & its method of disposal	Sewage generated within premises is sent directly to ETP for further treatment

7	The open area available for disposal of the effluent (a) As per norms (b) Overall Pollution load	No, As per Annexure- 21
8	Whether the quality of treated effluent meets the specified norms. If no, the extent of deviation	As per Annexure – 1
9	Improvement in effluent quality and quantity since previous environmental audit based on performance evaluation of effluent management systems. If yes, provide details. (Attached separate sheets)	Quality of effluent nearly same with respect to previous environmental audit.
10	Retrofitting undertaken to improve performance of ETP. If yes, provide details.	No, we have an effective effluent treatment facility available to achieve statutory norms.
11	Major problems encountered during operation of effluent treatment facilities, If any and reasons thereof.	No
12	The details of operator / chemists responsible for operation and maintenance of effluent treatment plant (i) Name of the operators / employees (ii) Qualification & experience of each operator / employee (iii) Salary of operators / employees	As per Annexure – 16
13	The current status of consent under the Water Act – 1974	The consolidated consents and authorization order no. AWH-113478, dated 28.06.2021 under the provision of water Act – 1974, Air act – 1981 and Hazardous Rules – 1989 is valid up to 27.04.2026 As per Annexure – 17
14	Overall Pollution load	As per Annexure – 21

(D) AIR	
1 No. of the flue gas stacks, their height (from ground level), nature & consumption of fuel.	As per Annexure – 18 Sampling Facility Not Provided
2 The details pertaining to the stack monitoring facilities	Sampling Point is Not Available
3 Number of process stacks, their height (from ground level) source, expected pollutants & the details of pertaining to the provision of stack monitoring facilities	No any process gas emission
4 The quality of emission from each flue gas stack & the process stack & the extent of deviation from them	As per Annexure – 1
5 The ambient air quality within the factory premises, along with the number of ambient air quality monitoring stations outside the industry	As per Annexure – 1
6 The status of consent under the Air Act – 1981	The consolidated consents and authorization order no. AWH-113478, dated 28.06.2021 under the provision of water Act – 1974, Air act – 1981 and Hazardous Rules – 1989 is valid up to 27.04.2026 As per Annexure – 17
7 The details of air pollution control measures for all process & flue gas stack.	As per Annexure – 18
8 Improvement in emission quality since previous environmental audit based on performance evaluation of air pollution management system. If yes, provide details. (Attached separate sheets)	Nearly same with respect to previous environmental audit.
9 Retrofitting undertaken to improve	No

emission quality. If yes, provide details.	
10 Major problems encountered during operation of control device, If any and reasons thereof.	No
11 Overall Pollution load	As per Annexure – 21

(E) HAZARDOUS (SOLID) WASTE

1 The quantity, sources & composition of Hazardous waste / solid waste from each process / source.(The total generation of the sludge per ton of product manufactured)	As per Annexure – 19
2 The method of storage, treatment & disposal of Hazardous / solid waste. The details should include area of storage and disposal and whether storage and disposal system is covered made impervious (pucca). Please inform about treatment for Leachate and Solid Waste. The data/information about Leachate generation, quantity and characteristics and treatment facilities.	As per Annexure – 19,20 ETP Sludge is disposed at TSDF- BEIL regularly. processed through bioremediation
3 The status of authorization under the EPA-'86 for Solid Waste	The consolidated consents and authorization order no. AWH-113478, dated 28.06.2021 under the provision of water Act – 1974, Air act – 1981 and Hazardous Rules – 1989 is valid up to 27.04.2026 As per Annexure – 17
4 Plan, if any to reduce hazardous waste generation or it's recycling.	N.A.
5 Overall Pollution load	N.A.

(F) SITE PLAN

1 The site plan showing the location	As per Annexure – 23
--------------------------------------	----------------------

of effluent treatment plant, final point of disposal of effluent, sampling point, drainage line, stacks, solid waste storage disposal area & green belt (its width)

(G) RESOURCE RECOVERY

- | | |
|--|----------------|
| 1 The details regarding resource recovery from Environmental pollution control system including effluent treatment plant. | Not Applicable |
| 2 The details regarding resource recovery/by-product recovery from manufacturing process by using cleaner production technology. | -- |

(H) HEALTH

- | | |
|--|--|
| 1 Whether any hazard is involved in the manufacturing or from the work environment. If yes, the details there of | Yes, A hazardous chemical like NaOH and Sulphuric Acid is used in manufacturing process.
No |
| 2 Whether industry has pre - employment & periodical medical examination facilities | Yes, The industry does not have pre-employment & medical examination facilities. But, periodical post-employment medical examination is carried out. |
| 3 Whether health records are maintained regarding adverse effect on the health of workers. If yes, details thereof | Yes,
As Per Annexure - 24 |
| 4 Whether industry has appointed a factory medical officer. If yes, full time or part time. Please also include the details about the name, address and qualification of the factory medical officer | Yes
Dr. Name-ASHUTOSH DEBBARMA
Degree-MBBS
Address- ONGC Dispensary, Ankleshwar |
| 5 Details of medical facilities available | Yes, First Aid Box with medicine available |
| 6 Whether sanitary facilities like | Yes, Satisfactory. |

latrine, urinals, bathroom are provided & satisfactory

(I) ACCIDENT AND REMEDIAL MEASURE

- | | |
|--|------------------------------|
| 1 The details of accident in the factory & remedial measures taken | Yes.
As per Annexure - 27 |
|--|------------------------------|

(J) SAFETY MEASURES

1 General Environment of the factory

House keeping	✓	Good		Fair		Poor
Dustiness		High		Medium	✓	Low
Lightning	✓	Good		Fair		Poor
Ventilation	✓	Good		Fair		Poor

2 Whether the following protective appliances are provided to all

Goggles	Yes/No	As per requirement
Gloves	Yes/No	As per requirement
Gumboot	Yes/No	As per requirement
Helmet	Yes/No	As per requirement
Skin Cream	Yes/No	As per requirement
Soap	Yes/No	As per requirement
Ear Plug	Yes/No	As per requirement
Face Masks	Yes/No	As per requirement
Clothing	Yes/No	As per requirement

- | | |
|--|----------------|
| 3 The details of facilities for disaster management / gas leakage. | Not Applicable |
|--|----------------|

- | | |
|--|---|
| 4 Whether Onsite/Off-site Emergency plans are prepared and are being implemented/ upgraded regularly; please give details. | <p>The industry has prepared its on-site emergency plan. The industry is a member of off-site crisis group. The industry continuously evaluates the risks and amends the on-site emergency plan accordingly.</p> <p>As per Annexure - 26</p> |
|--|---|

- | | |
|---|-------------------------------|
| 5 Whether records of occupational hazards are maintained? | Health records are maintained |
|---|-------------------------------|

6 Preventive measures adopted to minimize occupational hazard.	Regular health checkup is carried out
--	---------------------------------------

(K) REMEDIAL MEASURES

1 The details of sources; monitoring & measurements of noise within the Industrial premises.	As per Annexure – 22
2 The measures taken for prevention, treatment & control of odour nuisance in & around the industrial premises	No odour nuisance was felt during audit period.
3 The details in respect of cases/complains under the Water Act-1974, the Air Act-1981 & the EPA – 1986.	No Complain
4 The compliance report with respect to all the conditions of NOC / Consent (under all the Acts)	As per Annexure – 28
5 Whether the factory handled / produced/stored any hazardous chemicals if yes, give details	No
6 Whether insurance policy obtained under PLI Act? If yes, Give details	As per Annexure – 25

(L) WATER CESS

1 The details regarding payment of the Water Cess for the previous & the current year.	It is now obsolete.
--	---------------------

(M) DETAILS OF CONSULTANT

1 The name and address of the consultant engaged by company/ industry.	Self
--	------

(N) DECLARATION

1 It is declared that all the information submitted in & with respect to this format by us is correct and for any lapse regarding incorrect information or not giving complete information we are responsible for that.

As per Annexure - 29

(O) EMS ADEQUACY & EFFICIENCY

1 The Environment management System Adequacy & Efficiency certificate shall be submitted as per the Performa / Format enclosed herewith.

As per Annexure - 30

CERTIFICATE OF SAMPLING AND ANALYSIS REPORTS**➤ CERTIFICATE OF SAMPLING AND ANALYSIS REPORTS**

SAMPLE DETAILS	SAMPLING LOCATION	COLLECTED BY	SAMPLE COLLECTION	
			DATE	TIME
1 ST MONITORING [12/09/2024]				
EFFLUENT WATER	ETP INLET	ENVIRONMENT AUDIT TEAM MEMBER	12/09/2024	01:58PM
	ETP OUTLET		12/09/2024	02:08PM
AAQM LOCATION	NEAR MAIN GATE		12/09/2024	12:10 PM
	NEAR ETP		12/09/2024	12:20 PM
	NR.CONTROL ROOM		12/09/2024	01:00 PM
ETP SLUDGE	ETP SLUDGE		12/09/2024	01:15 PM
NOISE	5 DIFF.LOCATION		12/09/2024	12:45PMto 1:20PM

SAMPLE DETAILS	SAMPLING LOCATION	COLLECTED BY	SAMPLE COLLECTION	
			DATE	TIME
2 ND MONITORING [26/12/2024]				
EFFLUENT WATER	ETP INLET	ENVIRONMENT AUDIT TEAM MEMBER	26/12/2024	11:50 AM
	ETP OUTLET		26/12/2024	12:05 PM
AAQM LOCATION	NEAR MAIN GATE		26/12/2024	12:30 PM
	NEAR ETP		26/12/2024	12:50 PM
	NR.CONTROL ROOM		26/12/2024	01:30 PM
ETP SLUDGE	ETP SLUDGE		26/12/2024	11:00AM
NOISE	5 DIFF.LOCATION		26/12/2024	12:10PMto 03:00PM

SAMPLE DETAILS	SAMPLING LOCATION	COLLECTED BY	SAMPLE COLLECTION	
			DATE	TIME
3 RD MONITORING [27/02/2025]				
EFFLUENT WATER	ETP INLET		27/02/2025	02:00PM
	ETP OUTLET		27/02/2025	02:25PM
AAQM	NEAR MAIN GATE		27/02/2025	12:15 PM

EAR: April 2024 – March 2025

M/s. ONGC CTF, Piludra

LOCATION	NEAR ETP	ENVIRONMENT AUDIT TEAM MEMBER	27/02/2025	12:30 PM
	NR.CONTROL ROOM		27/02/2025	01:00 PM
NOISE	5 DIFF.LOCATION		27/02/2025	01:45PMto 3:00PM

Parameter Analyzed on site : pH @25°C, Temperature

Parameter Analyzed off site : pH, TSS, Oil & Grease

Whether samples were
preserved as per standard
procedure for offsite analysis : Yes

Parameter analyzed by auditor
steam : All mentioned above

Parameter analyzed by Third party : Yes

Method followed for analysis :

- Air emission : IS:5182Part-IV, IS:5182Part-II,
IS:5182Part-VI, IS:5182 Part-XIV, APHA:4500B
- Water/Wastewater : APHA Standard, IS Standard, EPA Standard

NAME & ADDRESS OF THE AUDITOR:

SHREE DHANVANTARY COLLEGE OF ENGINEERING & TECHNOLOGY

DHANVANTARY CAMPUS, NEAR KIM RAILWAY STATION,

DIST: SURAT-394110.

**MR. JOYDEEP DAS
(CHEMICAL ENGINEER)**

SIGNATURE OF THE AUTHORIZED PERSON

**MR. SIDDHARTH BUTANI
(ENVIRONMENTAL ENGINEER)**

**DR. VISHNU SUTARIYA
(LAB HEAD)**

**SHREE DHANVANTARY COLLEGE OF ENGINEERING & TECHNOLOGY
(ENVIRONMENTAL AUDIT LAB)**

**DATE:
PLACE: KIM, SURAT**

➤ **ANALYSIS REPORT FOR EFFLUENTWATER SAMPLE****TEST REPORT FOR EFFLUENTWATER SAMPLE [FIRST VISIT]**

SR. NO	PARAMETERS	UNIT	12/09/2024		PERMISSIBLE LIMIT
			ETP INLET	ETP OUTLET	
			RESULT		
1	pH @ 25°C	--	6.75	7.17	--
2	Total Suspended solids (TSS)	mg/L	180	72	100
3	Oil & Grease (O & G)	mg/L	18	6.8	10

TEST REPORT FOR EFFLUENTWATER SAMPLE [SECOND VISIT]

SR. NO	PARAMETERS	UNIT	26/12/2024		PERMISSIBLE LIMIT
			ETP INLET	ETP OUTLET	
			RESULT		
1	pH @ 25°C	--	6.4	7.39	--
2	Total Suspended solids (TSS)	mg/L	154	52	100
3	Oil & Grease (O & G)	mg/L	16	7.4	10

TEST REPORT FOR EFFLUENTWATER SAMPLE [THIRD VISIT]

SR. NO	PARAMETERS	UNIT	27/02/2025		PERMISSIBLE LIMIT
			ETP INLET	ETP OUTLET	
			RESULT		
1	pH @ 25°C	--	--	7.45	--
2	Total Suspended solids (TSS)	mg/L	--	41	100
3	Oil & Grease (O & G)	mg/L	--	6.8	10

➤ **ANALYSIS REPORT FOR AMBIENT AIR SAMPLING**

SR. NO	TEST PARAMETER	UNIT	12/09/2024 [FIRST VISIT]			PERMISSIBLE LIMIT*
			NEAR MAIN GATE	NEAR ETP	NR.CONTROL ROOM	
			RESULT	RESULT	RESULT	
1	Respirable Particulate Matter(PM10)	µg/m ³	63.44	60.32	57.12	100
2	Particulate Matter (PM 2.5)	µg/m ³	21.66	24.16	20.83	60
3	Sulphur Dioxide as SO ₂	µg/m ³	15.24	12.25	9.25	80
4	Oxides of Nitrogen as NO ₂	µg/m ³	13.68	14.59	12.21	80

SR. NO.	TEST PARAMETER	UNIT	26/12/2024 [SECOND VISIT]			PERMISSIBLE LIMIT*
			NEAR MAIN GATE	NEAR ETP	NR.CONTROL ROOM	
			RESULT	RESULT	RESULT	
1	Respirable Particulate Matter(PM10)	µg/m ³	66.96	56.36	60.22	100
2	Particulate Matter (PM 2.5)	µg/m ³	25.00	29.16	24.16	60
3	Sulphur Dioxide as SO ₂	µg/m ³	12.24	13.54	8.95	80
4	Oxides of Nitrogen as NO ₂	µg/m ³	15.90	21.16	14.24	80

SR. NO.	TEST PARAMETER	UNIT	27/02/2025 [THIRD VISIT]			PERMISSIBLE LIMIT*
			NEAR MAIN GATE	NEAR ETP	NR.CONTROL ROOM	
			RESULT	RESULT	RESULT	
1	Respirable Particulate Matter(PM10)	µg/m ³	67.15	62.32	67.89	100
2	Particulate Matter (PM 2.5)	µg/m ³	20.51	24.11	28.11	60
3	Sulphur Dioxide as SO ₂	µg/m ³	9.87	12.54	12.63	80
4	Oxides of Nitrogen as NO ₂	µg/m ³	11.62	20.36	18.96	80

➤ **ANALYSIS REPORT FOR ETP SLUDGE**

SR. NO	TEST PARAMETER	UNIT	12/09/2024 [FIRST VISIT]
			ETP SLUDGE
			RESULT
1	pH	--	7.12
2	Moisture	%	28
3	Total Alkalinity	mg/kg	214
4	Chloride	mg/kg	188

SR. NO	TEST PARAMETER	UNIT	26/12/2024 [SECOND VISIT]
			ETP SLUDGE
			RESULT
1	pH	--	7.24
2	Moisture	%	32
3	Total Alkalinity	mg/kg	162
4	Chloride	mg/kg	250

ANNEXURE – 2

MONTHWISE ELECTRICITY CONSUMPTION

Month	ELECTRICITY CONSUMPTION FROM GEB(KWH)	POWER CONSUMPTION (KWH)	
		PROCESS	ETP
Apr-24	473148	323408	149740
May-24	459427	319252	140175
Jun-24	451584	312799	138785
Jul-24	461209	333019	128190
Aug-24	478783	326793	151990
Sep-24	473113	325433	147680
Oct-24	497472	338732	158740
Nov-24	490421	340016	150405
Dec-24	492177	345547	146630
Jan-25	475020	352635	122385
Feb-25	387161	303081	84080
Mar-25	412709	345804	66905
TOTAL	5552224	3966519	1585705
Avg. Consumption MWh/Month	462685.3	330543.3	132142.1
Avg. Consumption MWh/Day	15211.57	10867.18	4344.397

COMPARATIVE STATEMENT OF ELECTRICITY CONSUMPTION

Month	April 2022- March 2023	April 2023- March 2024	% Deviation
Total Electrical consumption (kWh)	5378477	5691411	(+)5.818

Month	April 2023- March 2024	April 2024- March 2025	% Deviation
Total Electrical consumption (kWh)	5691411	5552224	(-) 2.446

LIST OF BOARD OF DIRECTORS

NO	NAME OF DIRECTOR	DESIGNATION	ADDRESS WITH CONTACT NO
1	Mr. Arun Singh	Chairman & CEO	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23323402
2	Mr. Vivek Tongoankar	Director (Finance)	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23314552
3	Mr. Pankaj Kumar	Director (production)	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23314599
4	Mr. Sushma Rawat	Director (Exploration)	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23314599
5	Mrs. Manish Patil	Director (HR)	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23314610
6	Mr. Vikram Saxena	Director (T&FS)	Oil and Natural Gas Corporation Ltd., JeevanBharati Tower IV, 124, Connaught Circle, New Delhi-110001. Ph No-011-23314610

MONTHWISE NUMBER OF DAYS OF OPERATION

Month	No. of Working Days
Apr-24	30
May-24	31
Jun-24	30
Jul-24	31
Aug-24	31
Sep-24	30
Oct-24	31
Nov-24	30
Dec-24	31
Jan-25	31
Feb-25	28
Mar-25	31
Total Days	365



Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Ankleshwar Asset
Central Tank Farm
Village: Piludra, Taluka: Ankleshwar
District: Bharuch 392 020
Gujarat
INDIA

who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

- i) Receipt & Processing of Well Fluids
- ii) Supply of Crude Oil, Natural Gas, Naphtha & LPG
- iii) Disposal of Effluent

Certificate No. : H9122611.39
Original Issue : 26 April 2025
Latest Issue : 26 April 2025
Valid Till : 25 April 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 19 February 2028
Surveillance 2 due on : 19 February 2027

for Vexil Business Process Services Private Limited
100 D, Kirti Nagar, Delhi 110 007



ISO 45001:2018

To check the validity of the certificate, please email to info@vexilbps.com
The validity of the certificate can also be verified at <http://www.vexilbps.com>

Unauthorised reproduction of this certificate is not permitted.

Upon request, the Certificate shall be returned to Vexil Business Process Services Private Limited.

FOR23001

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Ankleshwar Asset
Central Tank Farm
Village: Piludra, Taluka Ankleshwar
District: Bharuch 392 020
Gujarat
INDIA

who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

- i) Receipt & Processing of Well Fluids
- ii) Supply of Crude Oil, Natural Gas, Naphtha & LPG
- iii) Disposal of Effluent

Certificate No. : Q9124297.39
 Original Issue : 26 April 2025
 Latest Issue : 26 April 2025
 Valid Till : 25 April 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 19 February 2026
 Surveillance 2 due on : 19 February 2027

Leo Gain

for Vexil Business Process Services Private Limited
 100 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

To check the validity of the certificate, please email to info@vexilbpo.com
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PE021026

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Ankleshwar Asset
Central Tank Farm
Village: Piludra, Taluka: Ankleshwar
District: Bharuch 392 020
Gujarat
INDIA

who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

- i) Receipt & Processing of Well Fluids
- ii) Supply of Crude Oil, Natural Gas, Naphtha & LPG
- iii) Disposal of Effluent

Certificate No. : E9122822.39
 Original Issue : 26 April 2025
 Latest Issue : 26 April 2025
 Valid Till : 25 April 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 19 February 2026
 Surveillance 2 due on : 19 February 2027

Signature

for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



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ISO20000

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ANNEXURE – 6**LIST OF PRODUCTS AND BY-PRODUCTS ALONG WITH THEIR CAPACITY,
YIELD & PURITY**

Sr. No.	Name of the Products	Installed Capacity as per CCA (MT/Annum)	Actual Production (MT/Annum)	Yield/kg	Purity (%)
1	Crude Oil	341880	129500	31.148	100
2	Natural Gas	163680000 M ³ /Annum	81226595 M ³ /Annum	36.542	100
BY-PRODUCTS					
1	LPG	13663	8658	50.332	100
2	Naphtha	9701	723	7.278	100
3	Lean Gas	89316	87566	97.70	100
Total Production			96947		

DETAILS OF PRODUCTS AND BY-PRODUCTS

	Name of Products/By-Products (MT)				
Month	Crude Oil	Natural Gas(M ³)	LPG	Naphtha	Lean Gas
Apr-24	11088.12	6144843	756.96	61.55	7410
May-24	10575.83	6499121	734.88	62.5	7362
Jun-24	10041.24	6365395	766.89	164.231	7269
Jul-24	10659.18	6424277	851.72	172.67	7326
Aug-24	10700.92	6395356	928.85	182.249	7419
Sep-24	10296.37	6217276	924.93	183.651	7216
Oct-24	10420.86	6420738	899.6	189.49	7256
Nov-24	10121.23	6412088	838.3	138.09	7345
Dec-24	10470.08	6554096	810.23	60.82	7216
Jan-25	10777.13	6648375	838.83	61.75	7429
Feb-25	9347.731	6029366	707.86	54.191	7316
Mar-25	10405.45	6732797	833.27	62.45	7327
Total	124904.1	76843728	9892.32	1393.642	87891
Avg. Production MT/Month	10408.68	6403644	824.36	116.137	7324.250
Avg. Production MT/Day	342.2031	210530.8	27.10225	3.818	240.797
As per CCA production quantity MT/M	28490	13640000 M ³ /Month	1138.60	808.40	7443

DETAILS OF COMMENCEMENT OF PRODUCTION

SR.NO.	PRODUCT	DATE OF COMMENCEMENT
1	Crude Oil	26.01.1962
2	Natural Gas	26.01.1962
3	LPG	25.02.1986
4	Naphtha	25.02.1986
5	Lean Gas	20.01.1974

DETAILS OF MONTHWISE RAW MATERIAL CONSUMPTION

MONTH	Name of Raw Material (M ³)
	Shrinkage LPG
Apr-24	763560
May-24	746141
Jun-24	747265
Jul-24	805570
Aug-24	824466
Sep-24	793284
Oct-24	832919
Nov-24	786820
Dec-24	717743
Jan-25	761984
Feb-25	666360
Mar-25	789728
TOTAL	9235840
Avg. Consumption M³/Month	769653.3
Avg. Consumption M³ /Day	25303.67

Month	BY-PRODUCT GENERATION (MT)		
	LPG	Naphtha	Lean Gas
Apr-24	756.96	61.55	7410
May-24	734.88	62.5	7362
Jun-24	766.89	164.231	7269
Jul-24	851.72	172.67	7326
Aug-24	928.85	182.249	7419
Sep-24	924.93	183.651	7216
Oct-24	899.6	189.49	7256
Nov-24	838.3	138.09	7345
Dec-24	810.23	60.82	7216
Jan-25	838.83	61.75	7429
Feb-25	707.86	54.191	7316
Mar-25	833.27	62.45	7327
Total Generation MT/Month	824.36	116.137	7324.250

PROCESS DESCRIPTION AND MASS BALANCE OF PRODUCTS

The oil and gas producing wells of Ankleshwar oil fields are connected to Group Gathering Stations/ Gas Collecting Stations, from the GGS/GCS.

The separated gas and liquid along with water are transported to CTF through the feeder collector pipe line network.

GGS dispatch LP gas at a pressure of 0.9 Kg/cm² to CTF Complex. Gas directly goes to Compressor where it is compressed to 24 kg/cm². After GCP it goes to LPG plant for VAP recovery. After LPG plant Lean gas is directly sent to GCS-Motwan for Gas lift operation. New 03 nos of gas compressor were commissioned to replace 08 nos of old compressor of overall same capacity.

Gas and condensate from the Aliabet field comes to the group separator through 04" line. The Group separator as well as the Test separator is being operating pressure 25 kg/cm². Gas from the separator goes to the existing inlet filter-separator (FC-21.01) of LPG plant at CTF, Ankleshwar to combine with the existing feed (3.5 LSCMD) to LPG plant for further processing. A senior orifice meter at outlet of Group Separator measure total gas from Aliabet field for custody transfer purpose.

The drop-out condensate from Group, Test separator flow to Liquid Dryers (D 106 A/B) for drying. The Liquid Dryers reduces the moisture content of the condensate stream down to 5 ppm at outlet. The dry condensate from the Dryer combines with the existing feed inlet line to De-ethanizer of LPG plant for further processing. A Coriolis meter at the outlet of liquid dryer measures the drop-out condensate from Aliabet field for custody transfer purpose.

The produced water from Group and Test Separator will be sent to existing produced water treatment plant.

The in-coming liquid from the field contains pure oil, emulsion and associated free water is passed through the first wash tank to knock out the free water and then stored in intermediate storage tanks. Then liquid is treated at the de-emulsification plant in Heater Treater as to make it to meet the refinery specifications.

If refinery specification is not met, it is treated through Heater Treater. After passing through a second wash tank, to knock-out any remaining free water, the treated crude oil is pumped through Ankleshwar - Koyali pipe line to Gujarat Refinery located at Baroda.

The effluent water drained from wash tank is treated in the Effluent Treatment Plant (ETP) and final treated water confirming to the Gujarat Pollution Control Board norms is then disposed of to the Sub-Surface through identified Abandoned Wells by Deep Well Injection Disposal method via MPH (Main Pump House).

Manufacturing Details of LPG, Naphtha & Lean Gas at LPG Plant:

Inlet gas saturated at 43.3°C and 26 kg/cm² pressure flows through a small inlet filter separator to remove debris and small amounts of entrained liquid droplets contained in the inlet gas.

The inlet gas is then dried to a minus 101°C-water dew point in one of two molecular sieve packed dehydrators.

The molecular sieve dehydration is used for two reasons: It is more reliable when operating the plant at temperature below minus 34°C; and The system can depress the water dew point to minus 101°C such that if a cryogenic process is added in the future for the ethane recovery, modification of the dehydration system will not be required.

During the start-up Gas Chillers and De-etheriser Refluxing Condenser should be filled with some quantity (about 20% of vol.) of Methanol to overcome freezing in the lines.

After dehydrating the inlet gas and filtering the inlet gas to remove molecular sieve dust, the inlet gas stream is then split and cooled by cross exchange with residue gas and chilled condensed liquids in two exchangers.

The cooled inlet gas streams are recombined and further cooled by exchange with low-pressure propane in a refrigeration system chiller.

The liquids condensed by chilling the inlet gas stream enter a cold separator where the liquids and no condensed inlet gases are separated. Then it goes to the deethnizer tower where methane and ethane gets separated.

After this liquid stream goes to the debutanizer tower where top product is mainly propane and butane i.e. LPG and bottom product is pentane and above component i.e. naphtha.

ANNEXURE – 11**DETAILS OF MONTHWISE WATER CONSUMPTION AND WASTE WATER
GENERATION**

Month	Cannel Division Fresh Water Consumption (kL)				Total Fresh Water Consumption (kL)
	Industrial Purposes (KL)	Gardening (KL)	Fire fighting (KL)	For Domestic Purpose	
Apr-24	5500	3500	3700	450	13150
May-24	5400	3200	3500	450	12550
Jun-24	5300	3000	3700	450	12450
Jul-24	5000	2900	4000	450	12350
Aug-24	4600	2900	3000	450	10950
Sep-24	4800	3100	3400	450	11750
Oct-24	5000	2900	3800	450	12150
Nov-24	5100	2800	3700	450	12050
Dec-24	4700	2600	3300	450	11050
Jan-25	4900	3600	3700	450	12650
Feb-25	4800	3500	3800	450	12550
Mar-25	5400	3500	3300	450	12650
TOTAL	60500	37500	42900	5400	146300
Avg. Consumption kL/Month	5042	3125	3575	450	12192
Avg. Consumption kL/Day	165.753	102.740	117.534	14.795	400.822

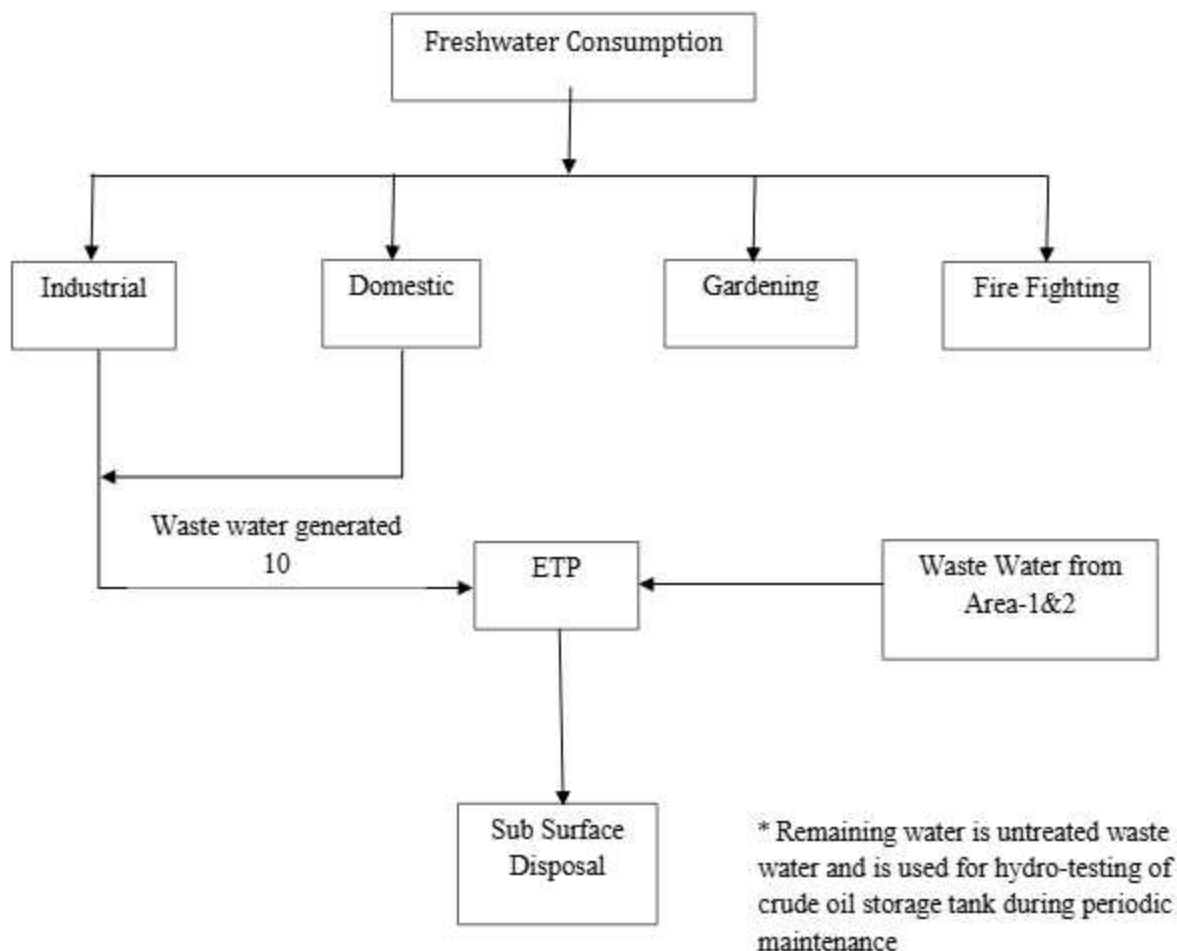
COMPARATIVE STATEMENT OF WATER CONSUMPTION

	Apr. 2023 to Mar. 2024	Apr. 2024 to Mar. 2025	% Deviation
Total Fresh Water Consumption (kL)	146915	146300	(-)0.419

Month	Wastewater Generation (kL)	Produced waste Water (KL)	Total Waste Water (KL)
Apr-24	300	87166	87466
May-24	250	88862	89112
Jun-24	275	84320	84595
Jul-24	300	92942	93242
Aug-24	315	91908	92223
Sep-24	295	88920	89215
Oct-24	290	99373	99663
Nov-24	300	95339	95639
Dec-24	280	97978	98258
Jan-25	300	91833	92133
Feb-25	300	83785	84085
Mar-25	270	97923	98193
TOTAL	3475	1100349	1103824
Avg. Consumption kL/Month	290	91696	91985
Avg. Consumption kL/Day	9.521	3014.655	3024.175

COMPARATIVE STATEMENT OF WATER CONSUMPTION

	Apr. 2023 to Mar. 2024	Apr. 2024 to Mar. 2025	% Deviation
Total Waste Water Consumption (kL)	1062329	1103824	(+) 3.906

ANNEXURE – 12
WATER BALANCE DIAGRAM**Note:**

- 1) No. of working days during audit period (Apr. 2024 to Mar.2025):365 Days
- 2) Water balance is prepared on the basis of data provided by the company representative.
- 3) All the units are in **m³/day**.

DESCRIPTION OF EFFLUENT TREATMENT PLANT**Process Description of Effluent Treatment Plant:**

Scheme to treat the effluent water of Ankleshwar oil field has been commissioned on dated: 03/11/1987 at a cost of Rs. 60.15 Lakh.

- Source of Effluent - formation water.
- Rate of flow of - 6000 m³/Day

Raw Effluent mainly consisting of Formation water with high Oil, Grease, TDS & Chloride concentration is treated Physico-Chemically by using Dissolved Air Flotation (DAF) method for the separation of Oil, Grease, S.S. and other low density materials. Poly-Aluminium Chloride (PAC) is dosed in to the Air flotation Vessel to break the emulsion & to enhance the Oil flotation.

The Effluent from DAF is collected in to the Sedimentation Tanks, which are designed with sufficient detention time, where most of the oil & suspended solids will get separated from the wastewater. The floating oil layer is skimmed in to the Slope Oil Collection Tank. Then the effluent is passed through "API Separator" for further reduction of Oil & S.S. concentration. The final Treated Effluent is collected into a Regulating Reservoir prior to disposal in to the subsurface surface through some of the identified Abandoned Wells by Deep-Well Injection Process via MPH. The Sludge from the API Separator & Sedimentation tanks is being collected into the Sludge Pit.

Detailed Description of Various unit operations:**(A) Air flotation & chemical dosing:**

Oily effluent enters the Air flotation Vessels where Chemical (Poly Aluminium Chloride) is dosed & Air is spared for flocculation of Oil & Grease etc.

Present rate of effluent for treatment - 4800 m³/Day.

Inlet Effluent line Size - 350 mm

Name of chemical - Poly Aluminium Chloride.

Chemical dosing concentration - 0.01% w/w.

Rate of chemical dosing – 10 ppm

Compressed Air gives flotation to flocks of Oil & Grease and Suspended Solid matter.

Pressure of compressed Air-3.5 kg /cm².

Quantity of Air Injection-0.24 m³/min

(B) Flow Metering & Sedimentation / Storage:

Effluent is allowed to flow in to Sedimentation /Storage ponds through the rectangular weir installed at the inlet.

Sedimentation ponds-01 No.

Storage pond-1 No.

Working capacity-10,000 m³ (each).

Water from outlet of ponds is taken in to the equalizations Chamber, who's Capacity is 15 m³

Oil floating on the top surface is removed by the De-Oiler Pipes Mechanism installed near the water outlet and this recovered oil is taken by gravity in to centralized skimmed oil tank (Slope Oil Tank) and mixed with Crude Oil for re-processing/re-use.

(C) Sludge removal:

The Solid Sludge /Sediments if any, gets removed into sludge pits of Sedimentation /Storage Ponds& from API separator through the 350 mm & 150 mm sludge line laid from the sludge pockets at the bottom of these tanks.

From API Separator sludge/sedimentation is collected by the skimming mechanism on its reverse movement during which it scraps all the sludge from the bottom and brings it to the sludge pit, from where it is removed through the sludge line which combines with sludge line of ponds and finally is taken for drying before disposal.

No. & Size of sludge pit-10 m X 10 m X 1.0 m

Capacity-100 m³

(D) API Separator:

From Equalization chamber effluent water flows to API Separator, where flow is divided into two channels operating in parallel. Floating matter is removed from the surface by a moving skimming mechanism. Oil or suspended matter if left any, is removed in this unit where polishing of water is achieved.

Size- 21 m X 2 m X 1.15 m (each Channel)

(E) Skimmed Oil Tank & Oil Recovery:

EAR: April 2024 – March 2025

M/s. ONGC CTF, Piludra

The Oil & Grease removed from Sedimentation/Storage ponds & API separator is taken to Skimmed Oil Tank, from where it is pumped to the Oil handling system of Central Tank Farm Complex (CTF-Complex).

Skimmed Oil Tank Size-2.5 m X 2.0 m X 1.6 m

Oil Pump-5 m³/hr

Water from API separator flows to the Regulating Reservoir (Guard Pond) to the Turbine sump and pumped to the Subsurface through some of the identified Abandoned Wells via MPH (i.e. Disposal by Deep-Well Injection process

EAR: April 2024 – March 2025 M/s. ONGC CTF, Piludra
DETAILS OF ETP UNITS WITH THEIR CAPACITY:

Sr. No	Name of the unit	No. of Units	MOC	Size
1	Oil Skimmer	02	CS	Dia.: 12"
2	Tilted Plate Interceptor	01	RCC	12.6 m X 9.5 m X 3.0 m LD + 0.5 m FB
3	D.A. Flotation Tank	01	RCC	Dia.-9.6 m X 3.0 m LD + 0.5 m FB
4	DAF Saturation Vessel	01	CSRL	Dia.-1.5 m X 3.0 m HT = 5 KL
5	Selector unit	04	RCC	4.0 m X 4.0 m X 1.6 m LD + 0.5 m FB
6	Aeration tank	01	RCC	40 m X 40 m X 3.0 m LD + 0.5 m FB
7	Clarifier	02	RCC	Dia.-20.0 m X 3.0 m SWD + 0.5 m FB
8	Sludge Thickener	01	RCC	Dia.-10.0 m X 3.0 m SWD + 0.5 m FB
9	Dual Media Filter	03	CSRL	Dia.-3.25 m X 3 m HT
10	Carbon Filter	03	CSRL	Dia. - 3.25 m X 3 m HT
11	Air Receiver	01	CSRL	Dia.- 1.5 m X 3.5 m HT
12	Sludge Lagoon	02	RCC	20.0 m X 7.5 m X 1.7 m LD + 0.3 mFB
13	Sludge Drying Bed	02	BRICK	15 m X 5 m X 1.6 m TD
14	Centrifuge	02	SS 316	10 m ³ /hr
15	Wash Tank	01	M.S	5000 m ³
16	Equalization Tank	01	RCC	22 m X 15 m X 1.85 m LD + 0.5 m FB
17	Neutralization Tank	01	RCC	5 m X 5 m X 2 m LD + 0.5 m FB
18	Flash Mixer	01	RCC	2 m X 2 m X 1.9 m LD + 0.5 m FB
19	Flocculation Tank	01	FRP	6 m X 6 m X 3.5 m LD + 0.5 m FB
20	Chemical dosing Tank	01	FRP	3.5 m X 3.5 m X 2.8 m TH
21	Aerator/Selector Feed Tank.	01	RCC	12.25 m X 12.25 m X 2.0 m LD + 0.5 m FB
22	Slope oil Tank	01	RCC	5 m X 5 m X 1.0 m LD + 0.5 m FB
23	Secondary Sludge Pump	01	RCC	10 m X 10 m X 2.0 m LD + 0.5 m FB
24	Thickened Sludge Pump.	01	RCC	5 m X 5 m X 1.0 m LD + 0.5 m FB

EAR: April 2024 – March 2025**M/s. ONGC CTF, Piludra**

25	Filter Feed Sump.	01	RCC	10 m X 15 m X 2.0 m LD + 0.5 m FB
26	Treated effluent Tank	02	RCC	36 m X 70 m X 2.0 m LD + 0.5 m FB
27	Alkali Tank	02	FRP	Dia.: 1.0 m X 1.85 m HT
28	PAC Tank	02	FRP	Dia.: 1.0 m X 1.85 m HT
29	Poly Tank	02	FRP	Dia.: 1.5 m X 1.75 m HT
30	DAP Tank	02	FRP	Dia.: 1.0 m X 1.85 m HT
31	Urea Tank	02	FRP	Dia.: 1.0 m X 1.85 m HT
32	DW Poly. Tank	02	FRP	Dia.: 1.5 m X 1.75 m HT
33	OWS Pit	02	FRP	5 m X 2.5 m X 2.0 m LD + 0.5 m FB
34	Service water Tank	03	HDPE	Dia.-2.55 m X 4.6/2.48 m HT
35	Drinking water Tank	01	HDPE	Dia.: 2.00 m X 1.95 m HT
36	Neutralization Pit.	02	RCC	1.7 m X 0.7 m X 0.81 m LD

DETAILS OF CHEMICAL CONSUMPTION AT ETP

Month	Chemical consumption at ETP in (kg)		
Name of Chemicals→	PAC	Alkali	DOPE
Apr-24	1800	60	15
May-24	1860	62	15.5
Jun-24	1800	60	15
Jul-24	1860	62	15.5
Aug-24	1240	62	15.5
Sep-24	1200	60	15
Oct-24	1240	62	15.5
Nov-24	1200	60	15
Dec-24	1240	62	15.5
Jan-25	1440	62	15.5
Feb-25	1680	56	14
Mar-25	1860	62	15.5
Total	18420	730	182.5
Avg. Per/Month	1535	60.833	15.208
Avg. per/Day	50.466	2.000	0.500

Note:

- ✓ **PAC:** Poly Aluminium Chloride
- ✓ **DOPE:** Deoiling Polyelectrolyte
- ✓ **Alkali** means Calcium oxide chemical used to maintain the pH.

Total quantity of raw material consumed per ____ days

Rawmaterialreqd. _____

PerKLoftwastewater = Total quantity of waste water generated per ____ days

= _____ kg/kL

DETAILS OF ENERGY CONSUMPTION IN ETP

Month	Electricity Consumption from GEB (kWh)
Apr-24	149740
May-24	140175
Jun-24	138785
Jul-24	128190
Aug-24	151990
Sep-24	147680
Oct-24	158740
Nov-24	150405
Dec-24	146630
Jan-25	122385
Feb-25	84080
Mar-25	66905
Total	1585705
Avg. Per/Month	132142.1
Avg. per/Day	4344.397

DETAILS OF OPERATOR/ CHEMIST FOR EMS

Sr. No.	Name	Designation	Qualification	Total Experience (Years)
1	Parmar Rajeshkumar Daudhbhai	Supervisor	Bsc Chemistry	14 years
2	Patel Narendra Kumar Balubhai	Maintenance	Diesel Mechanical	14 years
3	Shaikh Mohammad Yunus Amiruddin	Electrician	I.T.I Instrument	14 years
4	Patel Pradipkumar Sharbhai	Electrician	I.T.I Electrical	1 years
5	Patel Hiteshkumar Harshadbhai	Electrician	I.T.I Electrical	11 years
6	Jitubhai Nagjibhai Vasava	Electrician	I.T.I Electrical	14 years
7	Kher Mahendrasinh Prabhatsinh	Chemist	Bsc Chemistry	14 years
8	Rana jaykumar Rameshbhai	Chemist	Bsc Chemistry	12 months
9	Alpeshkumar Bhagubhai Parmar	Chemist	Bsc Chemistry	13 years
10	Patel Hardikkumar Rasikbhai	Chemist	Bsc Chemistry	2.6 years
11	Patel Dattukumar Dilipbhai	Operator	I.T.I	14 years
12	Vasava Vijaybhai Sureshbhai	Operator	I.T.I	11 years
13	Patel Rakeshkumar Bhagubhai	Operator	I.T.I	14 years
14	Mahida Harendrasinh Ganpatsinh	Operator	I.T.I	14 years
15	Malek Irshadahmed Gulamrasul	Operator	I.T.I	14 years
16	Rahul Kumar Ashokbhai Patel	Operator	I.T.I	14 years
17	Patel Maheshbhai Kanubhai	Operator	I.T.I	11 years
18	Sandeepkumar Kanchanlal Patel	Operator	I.T.I	14 years

CONSOLIDATED CONSENT & AUTHORIZATION**GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)**CCA NO: AWH-113478****NO: GPCB/ANK/CCA-141(5)/ID-15434/****DT: 08/08/2021**

In exercise of the power conferred under Section-25 of the Water (Prevention and Control of Pollution) Act-1974, under Section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated 09/03/2021 and inward no. 190115 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED CONSENT AND AUTHORIZATION:

(Under the provisions / rules of the aforesaid Environmental Acts)

To,

M/s. ONGC (CTF) PILUDARA,

PLOT NO: 189,211,212,213,214,215,216,217,219,234,284,293,

VILLAGE: PILUDARA, TAL- ANKLESHWAR,

DIST-BHARUCH.

1. Consent Order No. : AWH- 113478 date of Issue 28/06/2021.
2. The consent under Water Act -1974, Air Act - 1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to 27/04/2026 to operate industrial plant to manufacture following products:

Sr. No.	Products	Quantity
1	Crude Oil (MT)	28,490 MT/Month
2	Natural Gas (M3)	1,36,40,000 M3/Month
By Products		
1	LPG	1138.60 MT/Month
2	NGL/Naptha	808.40 MT/Month
3	Lean Gas	7443 MT/ Month

Specific conditions:

- a) Unit shall maintain ZLD.
- b) Unit shall not carry out any construction activities and production which attracts provisions of Environment Clearance without obtaining EC from competent authority under EIA notification dated 14/09/2006 and amended thereafter.
- c) Unit shall sell out their hazardous waste to authorized endusers who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endusers and submit MoU.

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Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

- d) All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall be disposed through other option.
e) Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.

3. CONDITION UNDER THE WATER ACT:

- 3.1 The quantity of industrial effluent (Formation water separated from the crude oil) shall not exceed **4800 M3/Day**. Which shall be re-injected in abandoned well.

- 3.2 The industrial effluent shall conform to the following standards to re-inject effluent in abandoned well

Sr. No.	PARAMETERS	PERMISSIBLE LIMIT
1	Total Suspended Solids (TSS)	100 mg/L
2	Oil and Grease	10 mg/L

- 3.3 The effluent conforming to the above standards shall be re-injected into identified abandoned wells. There shall not be any waste water discharge into surface drain outside the premises.
- 3.4 Oily waste shall be collected, stored safely that shall be no fire hazard. In case of such hazard, GPCB shall be informed immediately.
- 3.5 There shall be no discharge of the industrial effluent from the manufacturing process and other ancillary industrial operations, **Hence the unit shall strictly adhere to zero discharge.**
- 3.6 The quantity of the domestic waste water (sewage) shall not exceed **15 KL/Day**.
- 3.7 The total water consumption for industrial process and other ancillary operations shall not exceed **250 KL/Day**, water consumption for domestic purpose shall not exceed **15 KL/Day** and water consumption for gardening & fire fighting shall not exceed **285 KL/Day** as mentioned in form D submitted consent application under Water Act-1974.
- 3.8 The unit shall affix of water meters as per section 4 (1) of the water (Prevention and Control of Pollution) Cass Act-1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the industry until the contrary is proved.
- 3.9 Sewage shall be disposed through septic tank/soak pit system.

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The following shall be used as fuel:

Sr. No.	Name of fuel	Quantity
1.	Natural Gas	50-60 M3/Day

- 4.1.1 The flue gas emission through stack shall conform to the following standards:



AIR POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

Stack No.	Stack attached to	Stack Height in Meter (From G.L.)	Air Pollution Control Measure (APCM)	Parameter	Permissible limit
1.	Flare stack (Cold)	30	--	PM	150 mg/NM3
2.	Flare stack (Hot)	9	--	SO ₂ NO _x	100 PPM 50 PPM

- 4.2 There shall be no process gas emission from the manufacturing process and any other ancillary industrial operation through various stacks/ vent of reactors, process, vessel from plant premises.
- 4.3 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m ³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM ₁₀)	60	100
2.	Particulate Matter (PM _{2.5})	40	60
3.	Oxides of Sulphur (SO _x)	50	80
4.	Oxides of Nitrogen (NO _x)	40	80

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
 - 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.
- 4.4 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.
- 4.5 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.
- 4.6 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4.7 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- 4.8 All efforts shall be made to control VOC emissions and odor problem, if any.

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

5 GENERAL CONDITIONS: -

- 5.1 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.
- 5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 5.3 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.

6. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).

6.1 Number of authorization: AWH-113478 date of Issue 28/06/2021.

6.2 M/s. ONGC (CTF) PILUDARA is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at PLOT NO: 189,211,212,213,214,215,216,217,219,234,284,293, VILLAGE: PILUDARA, TAL-ANKLESHWAR, DIST: BHARUCH.

Sr. No.	Name of Haz. Waste	Category Number	Quantity in Year	Facility
1	ETP Sludge from sedimentation Pond	34.3	100 MT	Collection, Storage, Transportation & Disposal by Incineration at BEIL, Ankleshwar.
2	Oily sludge	5.1	200 MT	Collection, Storage, Transportation within factory premises and Incineration at BEIL Ankleshwar.
3	Discarded Containers	33.3	365 nos.	Collection, Storage, Reuse & Decontamination.
4	Used Oil	5.1	16 KL	Collection, Storage, Transportation and sell to Registered refiners.

- 6.3 The authorization is granted to operate a facility as above.
- 6.4 The authorization shall be in force for a period up to 27/04/2026.
- 6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7. TERMS AND CONDITIONS OF AUTHORISATION:

- 7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.
- 7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

- 7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 7.17 Unit shall have to manage used or spent oil empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(M.P. Solanki)

Dy. ENVIRONMENT ENGINEER

Page 5 of 5

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DETAILS OF FLUE GAS STACK & FUEL CONSUMPTION• **DETAILS OF FLUE GAS STACKS:**

Sr. No.	Stack Attached to	Stack height (m)	Air Pollution Control System	Parameters	Permissible Limit
1	Flare Stack (Cold)	30	---	PM	150 mg/Nm ³
2	Flare Stack (Hot)	9		SO ₂	100 ppm
				NO _x	50 ppm

FUEL CONSUMPTION

Month	Compressor and Heater Natural Gas (SCM)	D. G. Sets-Furnace Oil (LIT.)
Apr-24	670682	800
May-24	697881	3400
Jun-24	661962	3400
Jul-24	678954	1400
Aug-24	691126	2600
Sep-24	679034	2800
Oct-24	715664	1600
Nov-24	702792	1350
Dec-24	694378	2150
Jan-25	700304	750
Feb-25	635708	2350
Mar-25	736558	200
Total	8265043	22800
Avg./month	688753.6	1900
Avg./day	22643.95	62.466

FUEL CONSUMPTION

MONTH	Coal MT	Corex Gas (Nm³ /Hr)
Apr-24	93022	63,491
May-24	88765	95,792
Jun-24	80963	118,704
Jul-24	88893	108,609
Aug-24	88770	86,984
Sep-24	60471	99,261
Oct-24	94661	68,450
Nov-24	95318	34,929
Dec-24	84682	30,569
Jan-25	101498	7,277
Feb-25	73904	71,970
Mar-25	103754	46,306
Total	1054701	832342

DETAILS OF HAZARDOUS (SOLID) WASTE GENERATION & DISPOSAL

Cat. No.	Types of Solid /Hazardous Waste	Source of Waste	Consent Quantity MT/Year	Actual Quantity Generated MT/Year (Apr.- 2023 to March – 2024)	Mode of Storage	Method of Disposal
1	ETP sludge from sedimentation pond	Sludge generation from Crude oil	100	0	PIT	Bioremediation
2	Oily sludge	Sludge deposited at Bottom of Crude oil storage tanks	200	175	PIT	Bioremediation
3	Discarded containers	Lube oil barrels	365 Nos/year	155 Nos	Designated area inside plant	Recycle
4	Used oil	Lube oil for rotating equipment's	16 KL/Year	15500 Lit	PIT	Dispatched to refinery along with crude oil

DETAIL OF HAZARDOUS (SOLID) WASTE GENERATED AND DISPOSED OFF DURING AUDIT PERIOD

Month	Oily sludge (MT)	Discarded containers (Nos)	Used oil (Lit)
Apr-24	50	50	3800
May-24	0	0	0
Jun-24	0	0	0
Jul-24	0	45	0
Aug-24	0	0	3450
Sep-24	0	0	0
Oct-24	0	40	0
Nov-24	0	0	4000
Dec-24	0	0	0
Jan-25	0	0	2500
Feb-25	0	0	0
Mar-25	0	35	2000
Total	50	170	15750
Avg./Month	4.167	14.167	1312.500
Quantity as per CCA	200	365	16000

ANNEXURE – 21
OVERALL POLLUTION LOAD

• **EFFLUENT POLLUTION LOAD (in terms of COD)**

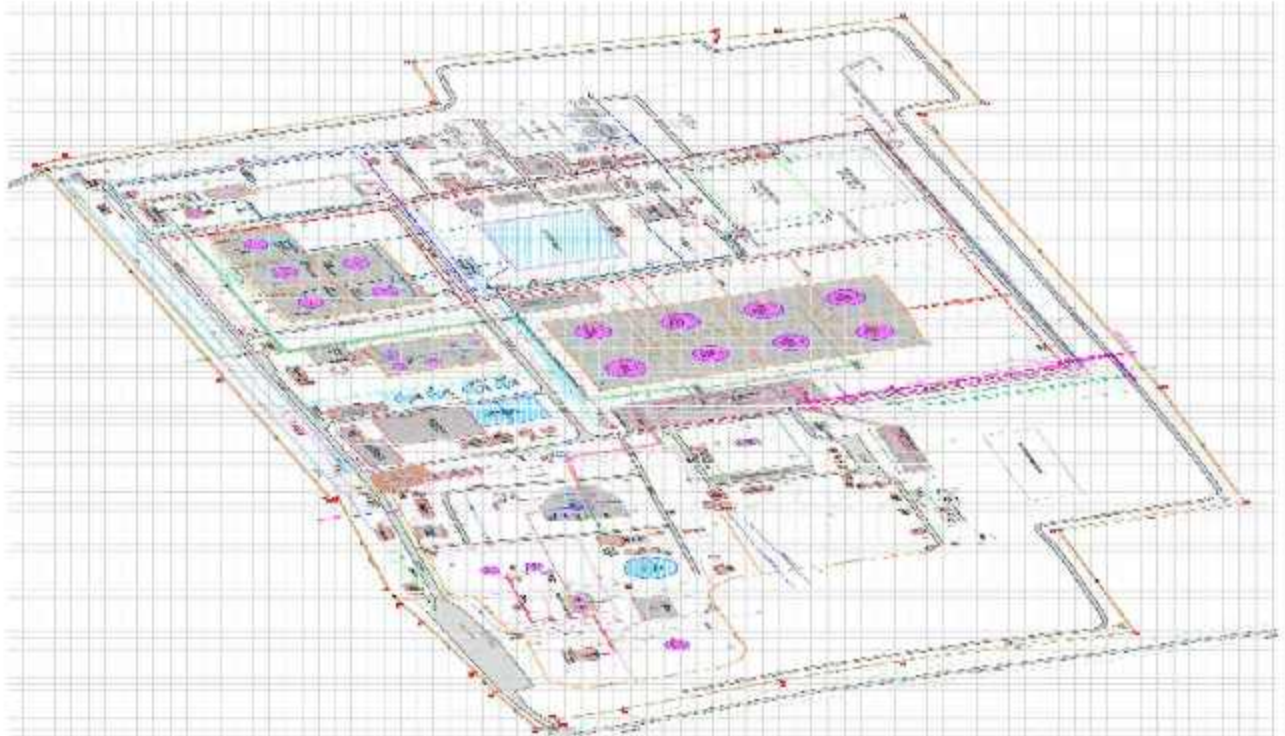
Details of Products	Visit	Average Wastewater Generation kL/Day	TSS (mg/L)	TSS (kg/Day)
Wastewater	1 ST VISIT	3024	72	217
	2 ND VISIT	3024	52	157
	3 RD VISIT	3024	41	127

$$\text{COD kg/day} = \frac{\text{Effluent Generation (m}^3\text{/day)} * \text{Avg. COD value mg/L}}{1000}$$

ANNEXURE – 22**DETAILS OF NOISE MEASUREMENT**

SR. NO	LOCATION NAME	12/09/2024	26/12/2024	27/02/2025
		NOISE MEASUREMENT		
1	Near Main Gate	60.2	61.4	60.2
2	Near Control room	67.8	67.2	67.8
3	Nr Plant Area	52.3	51.3	52.3
4	Nr ETP	56.9	54.9	56.9
5	Nr Canteen	50.1	53.1	50.1
	PERMISSIBLE LIMIT*	75 dB(A)		

ANNEXURE – 23
SITE PLAN



HEALTH RECORD OF EMPLOYEES

Form "O"
REPORT OF THE EXAMINATION AUTHORITY

CPF NO	EM064671A	Name	PRADIP KUMAR RAJANILAL ASHERKAKATA
Age	38 Yrs	Designation	SE (Elect)
Services	Onshore	Other Assets	ANGL

1. General Development Good

2. Height 1.59 m **3. Weight** 76 Kg

3. Eyes

(i) Visual Activity-(Distant Vision)

Right Eye 6/6 Left Eye 6/6

(ii) Any Organic Disease of Eyes No

(iii) Night Blindness No (iv) Squint No

4. Ear

Right Ear Normal Left Ear Normal

Any Organic Disease of Ear No

5. Respiratory Systems

Chest Measurement (i) After Full Inspiration cms (ii) After Full Expiration cms

(iii) PFT Normal

6. Circulatory Systems (i) Blood Pressure 120-80 mmHg (ii) Pulse 70/min

7. Abdomen (i) Tenderness No (ii) Tumor No

(iii) Liver NF (iv) Spleen NF

8. Nervous System (i) Mental Health Normal (ii) Paralysis No

(iii) History of Epilepsy or FR No

9. Locomotor System Normal **10. Skin** Healthy

11. Hernia No **12. Hydrocele** No

13. Any Other Abnormality NO

14. Urine

(i) Reaction Neutral (ii) Sugar No

(iii) Albumin No

15. Skiagram of chest Normal

16. Investigations

(i) Hb 13.7 mg/dl (ii) Creatinine 1.2 mg/dl (iii) Urea 34 mg/dl

(iv) FBS 111 mg/dl (v) PPBS 163 mg/dl (vi) Cholesterol 115 mg/dl

(vii) Triglyceride 25 mg/dl Normal

(viii) ECG Normal

(ix) USG (Abdomen) Normal FATTY LIVER

Any other Test NO

Signature of Employee *Pradip*

Signature of Examining Authority *H.K.*

Dr. KETAN K. PATEL
Medical Officer (OH)
ONGC, Andhra Pradesh

09/05/24

FORM "O"
(See rules 29-F(2) and 29-L)
Report of medical examination under 29 B

Certificate No. 64675

Certified that Shri / Shrimati PRADIP KUMAR RAMANLAL ASNERAWALA employed as SE (Elect) in ANKL mine, Form D, No. has been examined for an Medical examination. He / She appears to be 58 years of age. The findings of the examining authority are given in the attached sheet. It is considered that Shri /Shrimati PRADIP KUMAR RAMANLAL ASNERAWALA is:

(a) is medically fit for any employment in mines



Pradi
Signature of Employee



Signature of Examining Authority

Dr. KETAN K. PATEL
Medical Officer (MCH)
ONGC, Andhra Pradesh

ANNEXURE – 25
DETAILS OF PLI POLICY

HDFC ERGO General Insurance Company Limited



August 27, 2024

Oil And Natural Gas Corporation Limited

B1 Green Hills Tel Bhawan Kaulagarh, Road Dehradun
Dehradun Uttarakhand 248001 Dehradunincode - 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

3133206745940500000

Page 1 of 12

HDFC ERGO General Insurance Company Limited, IRDAI Reg No. 148 CIN : U06306RJ2007PLC177117, Registered & Corporate Office: 1st Floor, HDFC House, 185/186 Backbay Reclamation, H.T. Parkin Marg, Churchgate, Mumbai - 400 020. UIN: IRDAI/123C/P5002/V5/1200806 Customer Service Address: D-301, 3rd Floor, Eastern Business District (Magnet Mall), LBS Marg, Ghansup (West), Mumbai - 400078. Customer Service No : +91 22-62348234 / +91-120 8234 8234 www.hdfcergo.com

	EMERGENCY PLAN ANK PRODUCTION OIL MINES CTF - ANK	ISSUE DATE: 01.08.2020 ISSUE NO.: 01 REVISION DATE: 08.01.2025 REVISION NO.: 04
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EMERGENCY PLAN

FOR

CTF-ANKLESHWAR

OF

SURFACE

ANKLESHWAR PRODUCTION OIL MINE

APPLICABLE REGULATION:
 OMR-2017, REGULATION-102

Reg.102 (1):

	Prepared By:	Checked By:	Approved By:
Signature			
Name	P K Yadaw	Minesh B Modi	M G Mehta
Designation	EE(P) ISO- CTF, ANK	DGM(P), Installation Manager CTF-ANK	CGM(P) Dy. Mines Manager Ank Production Oil Mine
Date	08.01.2025	08.01.2025	08.01.2025

Page | 1

DETAILS OF DISASTER PREVENTION & MANAGEMENT

ONGC has prepared Disaster Management Plan for the Entire Ankleshwar project and provided adequate facilities for fire fighting at the site, whose details are given below:

Fire Hydrant System:

Fire Hydrant system consisting of Water Reservoir, whose capacity is 10000 & Two Electrical Operated Pumps of 810 m³/hr. Capacity each, Three Diesel Operated pumps of 825 m³/hr. capacity each, 48 Double Head Hydrants & 13 Fixed Monitors. Two Jockey pumps of capacity 150 M³/hr. each.

Foam Pourers and Water Sprinklers:

All the Storage Tanks are provide with Foam Pourers and Water Sprinklers.

Fire Alarm/Bell:

Total 05 no's of fire alarm bells and 02 numbers of sirens are available at various locations.

FIRE EXTINGUISHERS:

Sr. No	Type of fire extinguisher	Quantity	Capacity
1	DCP	128	9 kg
3	DCP	13	25 Kg
5	CO ₂	2	02 kg
6	CO ₂	21	04.5 kg
7	CO ₂	4	6.5kg
9	FOAM	14	9.0 L

Systems available to ensure Safety & Environment Protection at LPG Plant are:

- Well defined Safety & Environment Policies.
- Emergency Shut-down system.
- Emergency Management Plan.
- Weekly Fire Drills as well as Monthly Mock Drills.
- OISD 105 work permits system.
- Personnel Protective Equipments.
- Adequate & Well maintained Fire Fighting facilities.
- Paging System.
- Manual Fire calls point system.

- Wind sock to know the wind direction.
- Gas detection system.
- Adequate Plantation.

Shut Down Logic of Refrigerant Compressors:

- Level (Suction Scrubbers High).
- Pressure (Low Suction & High discharge).
- Temperature (High Discharge. Low/High lube oil temperature).
- Motor over Load.
- Auxiliary (Interlock between high & low stage, Low instrument air pressure, Plant ESD).
- Anti-recycle (20 minutes between 2 start up's).

Safety Facilities of LPG Spheres:

- Lock Open Safety Valves.
- Hydraulic ROV's (for two Spheres).
- Over pressure indication in control room (11.00 kg. /cm²).
- Level indication in control room.
- High level alarm at 70%.
- High level shut-down (at 80% plant ESD trips)
- Automatic & remote sprinkler system.
- Fixed gas detectors at bottom (afoot).

Safety Facilities of Naphtha Tanks:

- Breathing valves,
- Dyke walls
- Manual Sprinklers

Safety Aspects of Hot Oil Heater:

- Shut-Down Logic :
- Emergency Shut-down (ESD) push buttons provided in control room, at LPG spheres and Metering Skid.
- Low Instrument Air Pressure.
- Flame Failure,
- High Stack Temperature. (412°C)
- Trouble Alarms :
- Flame failure.
- High Outlet Temperature
- Low Oil flow.
- Other Facilities :
- Purge blower with auto stop.
- Auto Ignition,
- Indication of Pilot burners, low oil flow, high outlet & stack temperatures provided in Control Room as well as in the local panel.

Fire Fighting System of CTF and LPG Plant:

- Water Storage: 10000 KL
- Pumps: Electric Driven-2 Nos. capacity : 810 KL/hr
- Diesel Driven-3 No. Capacity-825 KL/hr.
- Jockey Pump-2 No. Capacity-150 KL/hr.
- System Pressure-8 kg /cm².
- Auto Start of Pumps followed by pressure drop.
- Fire Header is inter connected with adjoining installation (CTF)

Fire Tenders for CTF Complex including LPG

- Multipurpose- 03 Nos. (5000 L Water +800 L Foam+500 kg DCP each)
- Water Bouzer-01 Nos. (Water 12 KL)
- Foam Nursher- 01 Nos. (8000 L)
- Ultra High pressure Zeep- 01 Nos(500 L water +50 L Foam)
- DCP ZEEP- 01 Nos. (300 kg)
- Utility- 01 Nos.
- Emergency tender- Emergency kit.

Hydrant Points:

- Double Headed-8 Nos. Fire Point- 117 Nos.

Monitors:

- Water foam type-16 Nos.
- Water- 22 Nos.

Portable Fire Extinguishers:

- DCP of 9 kg Capacity – 40 Nos.
- DCP of 25 kg Capacity – 6 Nos.
- DCP of 50 kg Capacity -2 Nos.
- CO2 of 2 kg Capacity-4 Nos.
- CO2 of 4.5 kg Capacity-11 Nos.
- CO2 of 6.8 kg Capacity-2 Nos.
- Foam 50 liter Capacity-4 Nos.

Hose Stations- 45 No's.

Fire Bell & Siren- 5 & 2 each.

Safety Equipment's At CTF:

- Centralized fire alarm system
- Fire substation
- Gas and smoke detection system
- Safety valves at all pressure vessels
- Paging system (For communication) along with the VHF-set and landline.
- Manual call points (MCPs) : 52 Nos. (Under commissioning)
- Over ground fire water reservoir : 10,000 KL
- Source of water : Intake from Kathore.

Medical Facility at CTF-Complex:

- Stretcher : 02 Nos.
- First Aid Box : 10 Nos.
- Nearest Dispensary:
 - a) Ankleshwar town : 16 Km
 - b) ONGC Colony: 18 Kms
- Availability of ambulance
 - A) CTF Complex- 01
 - b) Ankleshwar city dispensary: 01
 - c) ONGC Colony- 01

ANNEXURE – 28
COMPLIANCE REPORT

1.	Consent Order No: AWH-113478 date of issue 28/06/20121	Compliance status																					
2.	The consent under Water Act-1974, Air Act-1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to 27/04/2026 to operate industrial plant to manufacturing following products. <table border="1"> <thead> <tr> <th>Sr. No.</th><th>Products</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>1</td><td>Crude oil (MT)</td><td>28,490 MT/Month</td></tr> <tr> <td>2</td><td>Natural Gas</td><td>1,36,40,000 M3/Month</td></tr> <tr> <td></td><td>By products</td><td></td></tr> <tr> <td>1</td><td>LPG</td><td>1138.60 MT/Month</td></tr> <tr> <td>2</td><td>NGL/ Naptha</td><td>808.40 MT/Month</td></tr> <tr> <td>3</td><td>Lean Gas</td><td>7443 MT/Month</td></tr> </tbody> </table>	Sr. No.	Products	Quantity	1	Crude oil (MT)	28,490 MT/Month	2	Natural Gas	1,36,40,000 M3/Month		By products		1	LPG	1138.60 MT/Month	2	NGL/ Naptha	808.40 MT/Month	3	Lean Gas	7443 MT/Month	COMPLIED
Sr. No.	Products	Quantity																					
1	Crude oil (MT)	28,490 MT/Month																					
2	Natural Gas	1,36,40,000 M3/Month																					
	By products																						
1	LPG	1138.60 MT/Month																					
2	NGL/ Naptha	808.40 MT/Month																					
3	Lean Gas	7443 MT/Month																					
Specific conditions:																							
a)	Unit shall maintain ZLD.	COMPLIED																					
b)	Unit shall not b carry out any construction activates and production which attracts provision of Environment clearance without obtaining EC from competent authority under EIA notification dated 14/09/2006 and amended thereafter.	COMPLIED																					
c)	Unit shall sell out hazardous waste to authorized end-users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized endures ad submit MoU.	COMPLIED																					
d)	All the efforts shall be made to send hazardous waste to cement industry for Co-processing first & there after it shall disposed through other option.	COMPLIED																					
e)	Unit shall strictly follow the fly Ash Notification for disposal of generations ash.	COMPLIED																					
3.	CONDITION UNDER THE WATER ACT:																						
3.1	The quantity of industrial effluent (Formation water separated from the crude oil) shall not exceed 4800 M3/Day. Which shall be re-injected in abandoned well.	COMPLIED																					
3.2	The industrial effluent shall conform to the following standards to re-inject effluent in abandoned well <table border="1"> <thead> <tr> <th>Sr. No.</th><th>PARAMETERS</th><th>PERMISSIBLE LIMIT</th></tr> </thead> <tbody> <tr> <td>1</td><td>Total Suspended solids (TSS)</td><td>100 mg/l</td></tr> </tbody> </table>	Sr. No.	PARAMETERS	PERMISSIBLE LIMIT	1	Total Suspended solids (TSS)	100 mg/l	COMPLIED															
Sr. No.	PARAMETERS	PERMISSIBLE LIMIT																					
1	Total Suspended solids (TSS)	100 mg/l																					

	2	Oil and Grease	100 mg/l		
3.3	The effluent conforming to the above standard shall be re-injected into identified abandoned wells. There shall not be any waste discharge into surface drain outside the premises.				COMPLIED
3.4	Oily waste shall be collected, stored safely that shall be no fire hazard. In case of such hazards, GPCB shall be informed immediately.				COMPLIED
3.5	There shall be no discharge of the industry effluent from the manufacturing process and other ancillary industrial operations, hence the unit shall strictly adhere to zero discharge				COMPLIED
3.6	The quantity of domestic waste water (sewage) shall not exceed 15 KL/Day				COMPLIED
3.7	The total water consumption for industrial process and other ancillary operations shall not exceed 250 Kl/Day, water consumption for domestic purpose shall not exceed 15 KL/Day and water consumption for gardening & firefighting shall not exceed 285 KL/Day as mentioned in form D submitted consent application under water Act-1974.				COMPLIED
3.8	The unit shall affix of water meters as per section 4(1) of the water (prevention and Control Of Pollution) Cass Act-1977 for the purpose of measuring and recording the quantity of water consumed at such places as many be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the industry until contrary is proved.				COMPLIED
3.9	Sewage shall be disposed through septic tank/soak pit system.				COMPLIED
4.	CONDITIONS UNDER THE AIR ACT:				
4.1	The following shall be used as fuel:				COMPLIED
	Sr. No.	Name of fuel	Quantity		
	1.	Natural Gas	50-60 M ³ /Day		
4.1.1	The flue gas emission through stack shall conform to the following standards;				COMPLIED
	Stack No.	Stack attached to	Stack Height in meter (form G.L)	Air pollution control Measure (APCM)	Parameter Permissible limit
	1.	Flare stack (Cold)	30	--	PM SO ₂ 100 PPM 50 PPM
	2.	Flare stack	9	--	NO _x

	(Hot)					
4.2	There shall be no process gas emission from the manufacturing process and any other ancillary industrial operation through various stacks/vent of reactors, process vessel form plant premises.					COMPLIED
4.3	The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.					COMPLIED
	Sr. No.	Parameters	Permissible limits (microgram/m3)			
			Annual	24 Hours Average		
	1.	Particulate Matter (PM ₁₀)	60	100		
	2.	Particulate Matter (PM _{2.5})	40	60		
	3.	Oxides of Sulphur (SO _x)	50	80		
	4.	Oxides of Nitrogen (NO _x)	40	80		
	Annual arithmetic mean of minimum 104 measurement in a year at a particular site taken twice a week 24 hourly at uniform intervals.					COMPLIED
	24 hourly or hourly or 01 hourly monitored value, as application, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.					COMPLIED
4.4	Unit shall operate industrial plant /air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.					COMPLIED
4.5	The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above .					COMPLIED
4.6	Unit shall provide portholes, ladder, plant etc. at chimney (s) for monitoring the air emission and the same shall be open for inspection to/and for use of Board's staff. The chimney (s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. And these shall be painted/displayed to facilities identifications.					COMPLIED
4.7	Unit shall take adequate measures for control of noise levels form its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(a) during day time and 70dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10p.m. and nighttime is reckoned between 10 pm. And 6 a.m.					COMPLIED
4.8	All efforts shall be made to control VOC emission and odor problem , if any.					COMPLIED
5.	GENERAL CONDITIONS:					
5.1	In case of charge of ownership/management the name and address of the new ownership/ partners/ directors/proprietor should immediately be					COMPLIED

	intimate to the board. Also any charge in equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this board.																										
5.2	Adequate plantation shall be carried out the all along the periphery of the industrial premises in such a way that the that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.	COMPLIED																									
5.3	Unit shall put at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietors /partners/directors of the unit unit and the electricity consumer number as on the record of DGVCL.	COMPLIED																									
6.	AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2(See rule6(2))																										
6.1	Number of authorization AWH-113478 date of issue 28/06/2021	COMPLIED																									
6.2	M/s. ONGC (CTF) PILUDARA is hereby granted an authorization to operate facility for following hazardous waste on the premises situated at PLOT NO: 189,211,212,213,214,215,216,217,219,234,284,293, VILLAGE: PILUDARA, TAL-ANKLESHWAR, DIST: BHARUCH. <table><tr><th>Sr. No.</th><th>Name of Haz. Waste</th><th>Category Number</th><th>Quantity in year</th><th>Facility</th></tr><tr><td>1</td><td>ETP sludge form sedimentation pond</td><td>34.3</td><td>100 MT</td><td>Collection, Storage, Transportation & Disposal by Incineration at BEIL, Ankleshwar.</td></tr><tr><td>2</td><td>Oily sludge</td><td>5.1</td><td>200 MT</td><td>Collection, Storage, Transportation within factory premises and incineration at BEIL ankleshwar.</td></tr><tr><td>3</td><td>Discarded Containers</td><td>33.3</td><td>365 nos.</td><td>Collection, Storage, Reuse & Decontamination</td></tr><tr><td>4</td><td>Used oil</td><td>5.1</td><td>16 KL</td><td>Collection, Storage, Transportation and sell to Registered refiners.</td></tr></table>	Sr. No.	Name of Haz. Waste	Category Number	Quantity in year	Facility	1	ETP sludge form sedimentation pond	34.3	100 MT	Collection, Storage, Transportation & Disposal by Incineration at BEIL, Ankleshwar.	2	Oily sludge	5.1	200 MT	Collection, Storage, Transportation within factory premises and incineration at BEIL ankleshwar.	3	Discarded Containers	33.3	365 nos.	Collection, Storage, Reuse & Decontamination	4	Used oil	5.1	16 KL	Collection, Storage, Transportation and sell to Registered refiners.	COMPLIED
Sr. No.	Name of Haz. Waste	Category Number	Quantity in year	Facility																							
1	ETP sludge form sedimentation pond	34.3	100 MT	Collection, Storage, Transportation & Disposal by Incineration at BEIL, Ankleshwar.																							
2	Oily sludge	5.1	200 MT	Collection, Storage, Transportation within factory premises and incineration at BEIL ankleshwar.																							
3	Discarded Containers	33.3	365 nos.	Collection, Storage, Reuse & Decontamination																							
4	Used oil	5.1	16 KL	Collection, Storage, Transportation and sell to Registered refiners.																							
6.3	The authorization is granted to operate a facility as above.	COMPLIED																									
6.4	The authorization shall be in force for a period up to 27/04/2026.	COMPLIED																									
6.5	The authorization may be subjected to the conditions stated below and such	COMPLIED																									

	other conditions as may be specified in the rules from time to time under the Environment (protection) Act-1986.	
7.	TERMS AND CONDITIONS OF AUTHORIZATION:	
7.1	The authorized person shall comply with the provision of the Environment (Protection) Act,1986 and the rules made there under.	COMPLIED
7.2	The authorization or its renewal shall be provided for inspection at the request of an officer authorized by the Gujarat pollution control Board.	COMPLIED
7.3	The person authorized shall not rent ,lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	COMPLIED
7.4	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	COMPLIED
7.5	The person authorized shall implement Emergency Response procedure (ERP) for which authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	COMPLIED
7.6	The such person authorized shall comply with the provisions outlined in the central pollution control Board guild line on "Implementing Liabilities for Environment Damages due to handling and disposal of hazardous waste and penalty"	COMPLIED
7.7	It is due the duty of the authorized person to take prior permission of the Gujarat pollution Control Board to close down the facility.	COMPLIED
7.8	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.	COMPLIED
7.9	The record of consumptions and fate of the imported hazardous and other wastes shall be maintained.	COMPLIED
7.10	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	COMPLIED
7.11	The importer or exporter shall bear the cost of import or export and mitigation of damages if , any.	COMPLIED
7.12	An application for the renewal of an authorization shall be made as laid down under Hazardous &Other Wastes (Management and Transboundary	COMPLIED

	Movement) Rules-2016.	
7.13	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate changes or Central Pollution Control Board from time to time.	COMPLIED
7.14	Annual return shall be filed by June 30 th for the period ensuring 31 th march of the year.	COMPLIED
7.15	Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P.NO 657 of 1995 dated 14 th 2003.	COMPLIED
7.16	Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.	COMPLIED
7.17	Unit shall have to manage used to spend oil empty for discharge barrel/ containers/ lines contaminated with hazardous chemicals / wastes, process waste as per hazardous & other wasters (management and transboundary movement) Rules-2016 framed under the E(P) Act-1986 and shall apply authorization for all applicable waste.	COMPLIED

ANNEXURE – 29 DECLARATIONS

It is declared that all the information submitted in & with respect to this format is as per the data given by the client industry and collected during environment audit survey by the audit team.

Name & Signature of the recognized person of the industry/organization/institute with stamp.		Name & Signature of all the member of the audit team.	
MINESH CHANDRA MODI		MR. SIDDHARTH BUTANI	
DGM(P) DGM(P)-IM CTF		ENVIRONMENT ENGINEER	
SUJIT PAWAR		MR. JOYDEEP DAS	
EE(P) SE(P)		CHEMICAL ENGINEER	
		MRS.NEETA PATEL	
		CHEMIST	
		DR.VISHNU SUTARIYA	
		CHEMIST	

ENVIRONMENTAL MANAGEMENT SYSTEM ADEQUACY CERTIFICATE

The Environmental audit scheme was introduced by the Hon. Gujarat High Court vide its order dated 20-12-1996 and 13-03-1997 and modified vide order dated 16-09-1999, 22-04-2010 & 23-1-2015. We are appointed by the GPCB, Gandhinagar as recognized auditor for compliance of the direction of the Hon. High Court in this matter and have carried out the environmental audit of:

M/S. ONGC CTF, PILUDRA .

LOCATED AT: PILUDRA, TA: ANKLESHWAR, DIST.: BHARUCH.

A. Manufacturing Products & By-products as under:

B.

Sr. No.	Name of the Products	QUANTITY AS PER CCA MT/MONTH	QUANTITY FOR THE YEAR 2023-24 MT/MONTH	STATUS
1	Crude Oil	28490	129500	COMPLIED
2	Natural Gas	163680000 M ³ /Annum	81226595 M ³ /Annum	COMPLIED
BY-PRODUCTS				
1	LPG	1138.60	8658	COMPLIED
2	Naphtha	808.4	723	COMPLIED
3	Lean Gas	7443	87566	NOT COMPLIRD
Total Production			96947	

As per the directions of the Hon. High Court in environmental audit scheme and based on personal monitoring (Collection of samples, Analysis), We certify that the Environmental Management System provided by this industry for the products and capacity as stated above is adequate and efficacious to achieve the quality of effluents (Air + Waste water + Solid waste) as specified/ required consent / notification by GPCB, Gandhinagar for following quantity of waste generation:

C. Water Details

Sr. No.	Particulates	Quantity as per CC&A (MT/Year)	Actual Generation 2023-24 (MT/Year)	Status
1	Trade Effluent	4800 M ³ /DAY	3024 M ³ /DAY	Adequate

EAR: April 2024 – March 2025		M/s. ONGC CTF, Piludra		
2	ETP Sludge from Sedimentation pond	100 MT/YEAR	0	Adequate
3	Oily sludge	200 MT/YEAR	125 MT/YEAR	Adequate
4	Used Oil	16 MT/YEAR	15500 LIT	Adequate
	Discarded Containers / Bags	365 NOS	155 NOS	Adequate
5	Air Emission (Flue gas stacks as well as process stacks)	Sampling Point is not available		Not Adequate

This certificate is valid for audit period **(April 2024 – March 2025)** only. However, it is subjected to automatic cancellation in case of any change in product profile/capacity, quality & quantity of effluents (Air + Wastewater + Solid waste) and efficiency of EMS equipments.

Signature of the authorized person

Date:
Place: KIM, Surat.

Dr. Vishnu Sutariya [Lab Head]
Shree Dhanvantary College of Engineering and Technology[ENVIRONMENTAL AUDIT LAB]

Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar

Report No: GLEPL/040523/04

Issue Date: 12/05/2023

Lab Code	GLEPL/040523/W1
Sampling procedure	IS 3025 (P-1) 1987 (Reaffirmed 2019)
Sample Description	E-1400 V, Well No. 4ABDA (Drill Waste Water Sample), J, Phase-I
Date of Sampling collection	21/02/2023
Date of Sample Received	04/05/2023
Date of Sample Analysis	05/05/2023
Date of completion Analysis	12/05/2023
Purpose	As per Client requirement
Test Parameters	As per Client requirement
Quantity/No. of sample	500 mL/01
Packed/Seal	Packed

Sr.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.11	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	27.9	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	83.5	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	2044.7	2100
5	RODS in days at 20°C	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	28.1	30
6	COD	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	96.7	100
7	Oil & Grease	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	3.4	10
8	Chloride	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	579.8	600
9	Sulphate	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	698.5	1000
10	Phenolic Compound	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	0.29	1.2
11	Fluoride	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	0.16	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.2
17	Cyanide	IS:3025 (P-27):1986(Reaffirmed 2022)	mg/L	0.13	3.0
18	Asphalt	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	%	36.8	60
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	mg/L	ND (MDL: 1.0)	2.0
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)			

Note: ND: Not Detected, MDL: Minimum Detection Limit.
*Limits given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dore

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- It is required by the application regulation.

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Recog

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Branch Office : T-7, Raspan Arcade, Raspan Char Basta, Opp. Gokul Party Plot, Nikol, Ahmedabad-382350. Tel. : +91 93275 761.

Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar

Report No: GLEPL/040523/05

Issue Date: 12/05/2023

Lab ID Code: GLEPL/040523/WL₅
Sampling procedure: IS 3025 (P-1) 1997 Ref-2019
Sample Description: E-1400 V, Well No. #ABDA (Drill Waste Water Sample), Phase-II
Date of Sampling collection: 06/03/2023
Date of Sample Received: 04/05/2023
Date of Starting Analysis: 05/05/2023
Date of completion Analysis: 12/05/2023

Purpose: As per Client requirement
Test Parameters: As per Client requirement
Quantity/No. of sample: 500 mL/01
Packed/Seal: Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	7.73	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	27.2	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	65.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1761.7	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	21.6	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	74.7	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.6	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	507.5	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	550.9	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.70	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	0.12	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	0.16	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	33.8	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	ND (MDL: 1.0)	2.0

Note: ND: Not Detected, MDL: Minimum Detection Limit.
* Limits given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dare

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Branch Office : T-7, Raspan Arcade, Raspan Char Rasta, Opp. Gokul Party Plot, Nikul, Ahmedabad-382350. Tel. : +91-9327565766.

Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/260523/06

Issue Date: 03/06/2023

Lab ID Code	GLEPL/260523/WL		
Sampling procedure	IS 3025 (P-1) 1997 Ref-2019		
Sample Description	E-1400 V, Well No. HABDA (Drill Waste Water Sample), Phase-III		
Date of Sampling collection	30/04/2023	Purpose	As per Client requirement
Date of Sample Received	26/05/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	26/05/2023	Quantity/No. of sample	500 mL/01
Date of completion Analysis	03/06/2023	Packed/Seal	Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	7.21	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	27.6	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	68.9	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1874.3	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	25.4	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	76.9	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.6	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	512.4	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	623.5	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.37	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	0.21	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27):1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	0.19	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	34.2	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	ND (MDL: 1.0)	2.0

Note: ND: Not Detected, MDL: Minimum Detection Limit.

Details given by customer
[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dare

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Branch Office : T-7, Raspan Arcade, Raspan Char Rasta, Opp. Gokul Party Plot, Nikol, Ahmedabad-382350. Tel. : +91 9327565761.

Recogni

Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/170323/06

Issue Date: 24/03/2023

Lab ID Code	GLEPL/170323/SL ₆		
Sample Description	E-1400 V, Well No. #ASDB (Drill Cutting Sample), Phase-I st		
Date of Sampling collection	09/03/2023	Purpose	As per Client requirement
Date of Sample Received	17/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	17/03/2023	Quantity/No. of sample	250 gm/01
Date of completion Analysis	23/03/2023	Packed/Seal	Packed

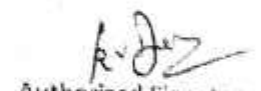
Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.05	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	25.7	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	80.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1745.7	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	24.7	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	80.5	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.4	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	405.2	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	314.5	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.12	1.2
11	Fluoride	APHA & AWWA. 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	32.5	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.2	2.0

Notes: # Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.


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Rekha Dare

NOTE:

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- The report is valid only for the purpose for which it was issued.

Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/300323/02

Issue Date: 06/04/2023

Lab ID Code	GLEPL/300323/WL ₂		
Sampling procedure	IS 3025 (P-1) 1997 Ref-2019		
Sample Description	E 1400 V, Well No. #AB03 (Drill Waste Water Sample), Phase-II nd		
Date of Sampling collection	17/03/2023	Purpose	As per Client requirement
Date of Sample Received	30/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	30/03/2023	Quantity/No. of sample	500 mL/01
Date of completion Analysis	06/04/2023	Packed/Seal	Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	7.58	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.7	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/l	69.9	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1918.5	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	21.2	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	73.1	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.8	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	499.3	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	342.5	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.27	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	0.30	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS:3025 (P-27):1986(Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	0.21	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Perpet Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	31.3	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	ND (MDL: 1.0)	2.0

Note: ND: Not Detected, MDL: Minimum Detection Limit.

*: Details given by customer.

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Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/300323/13

Issue Date: 06/04/2023

Lab ID Code	GLEPL/300323/SL ₁		
Sample Description	E-1400 V, Well No. #ABDB (Drill Cutting Sample), Phase-III ¹⁰		
Date of Sampling collection	28/03/2023	Purpose	As per Client requirement
Date of Sample Received	30/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	30/03/2023	Quantity/No. of sample	250 gm/lot
Date of completion Analysis	06/04/2023	Packed/Seal	Packed

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Reference Limit
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.43	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.1	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	75.2	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1767.6	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	21.7	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	75.0	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.3	5
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	328.3	500
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	251.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.13	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	3.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	1.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	24.2	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.4	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.

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Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/300323/03

Issue Date: 06/04/2023

Lab ID Code	GLEPL/300323/WL ₃		
Sampling procedure	IS 3025 (P-1) 1997 Ref-2019		
Sample Description	E-1400 V, Well No. #ABDB (Drill Waste Water Sample), Phase-III rd		
Date of Sampling collection	28/03/2023	Purpose	As per Client requirement
Date of Sample Received	30/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	30/03/2023	Quantity/No. of sample	500 mL/01
Date of completion Analysis	06/04/2023	Packed/Seal	Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	7.81	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	27.0	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	72.5	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1854.8	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	20.1	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	69.5	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	521.3	600
9	Sulphate	IS 3025 (P-24) 1985 (Reaffirmed 2022)	mg/L	529.7	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.27	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	0.21	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27):1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	0.20	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	30.5	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	ND (MDL: 1.0)	2.0

Note: ND: Not Detected, MDL: Minimum Detection Limit.
* Details given by customer.

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Test Report
Waste Water Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPL/300323/03

Issue Date: 06/04/2023

Lab ID Code	GLEPL/300323/WL ₃		
Sampling procedure	IS 3025 (P-1) 1997 Ref-2019		
Sample Description	E-1400 V, Well No. #ABDB (Drill Waste Water Sample), Phase-III rd		
Date of Sampling collection	28/03/2023	Purpose	As per Client requirement
Date of Sample Received	30/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	30/03/2023	Quantity/No. of sample	500 mL/01
Date of completion Analysis	06/04/2023	Packed/Seal	Packed

Result Table

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	7.81	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	27.0	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	72.5	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1854.8	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	20.1	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	69.5	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	521.3	600
9	Sulphate	IS 3025 (P-24) 1985 (Reaffirmed 2022)	mg/L	529.7	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.27	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	0.21	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27):1986(Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	0.20	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	30.5	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	ND (MDL: 1.0)	2.0

Note: ND: Not Detected, MDL: Minimum Detection Limit.
* Details given by customer.

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Chemist

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Authorized Signatory
Rekha Darc

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Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/040523/04 Issue Date: 12/05/2023
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Lab ID Code	: GLEPL/040523/SL ₂		
Sample Description	: E-1400 V, Well No. #ABDA (Drill Cutting Sample), Phase-I st		
Date of Sampling collection	: 15/04/2023	Purpose	: As per Client requirement
Date of Sample Received	: 04/05/2023	Test Parameters	: As per Client requirement
Date of Starting Analysis	: 05/05/2023	Quantity/No. of sample	: 250 gm/01
Date of completion Analysis	: 12/05/2023	Packed/Seal	: Packed

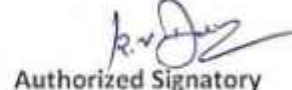
Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.28	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.2	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	69.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1299.5	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	17.3	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	59.8	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.2	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	329.5	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	217.5	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.16	1.2
11	Fluoride	APHA & AWWA. 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	26.8	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.2	2.0

Note: # Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.


Chemist


Authorized Signatory
Rekha Dare

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Registered Office : Nr. Rangoli Flats, Radhanpur Road, Mehsana - 384 002, Gujarat, India. Tel. : +91-9327565357.
Branch Office : T-7, Raspan Arcade, Raspan Char Rasta, Opp. Gokul Party Plot, Nikol, Ahmedabad-382350. Tel. : +91 9327565761.

Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/040523/05 Issue Date: 12/05/2023
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Lab ID Code	:	GLEPL/040523/SL ₁		
Sample Description	:	E-1400 V, Well No. #ABDA (Drill Cutting Sample), Phase-II nd		
Date of Sampling collection	:	21/04/2023	Purpose	: As per Client requirement
Date of Sample Received	:	04/05/2023	Test Parameters	: As per Client requirement
Date of Starting Analysis	:	05/05/2023	Quantity/No. of sample	: 250 gm/01
Date of completion Analysis	:	12/05/2023	Packed/Seal	: Packed

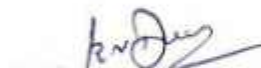
Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.39	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.3	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	73.5	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1551.9	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	22.5	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	77.8	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.5	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	361.4	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	398.1	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.15	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	29.5	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.4	2.0

Note: # Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.


Chemist


Authorized Signatory
Rekha Dare

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Branch Office : T-7, Raspan Arcade, Raspan Char Rasta, Opp. Gokul Party Plot, Nikol, Ahmedabad-382350. Tel. : +91 9327565761.

Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/260523/06 Issue Date: 03/06/2023
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Lab ID Code	: GLEPL/260523/SL ₄		
Sample Description	: E-1400 V, Well No. #ABDA (Drill Cutting Sample), I, Phase-III rd		
Date of Sampling collection	: 30/04/2023	Purpose	: As per Client requirement
Date of Sample Received	: 26/05/2023	Test Parameters	: As per Client requirement
Date of Starting Analysis	: 26/05/2023	Quantity/No. of sample	: 250 gm/01
Date of completion Analysis	: 03/06/2023	Packed/Seal	: Packed

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.86	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.5	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	73.6	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1658.6	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	23.8	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	68.2	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.4	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	405.8	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	396.3	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.17	1.2
11	Fluoride	APHA & AWWA. 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	29.3	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.5	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dare

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Branch Office : T-7, Raspan Arcade, Raspan Char Rasta, Opp. Gokul Party Plot, Nikol, Ahmedabad-382350. Tel. : +91 9327565761.

Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/300323/02 Issue Date: 06/04/2023
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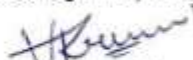
Lab ID Code	:	GLEPL/300323/SL ₂			
Sample Description	:	E-1400 V, Well No. #ABDB (Drill Cutting Sample), Phase-II nd			
Date of Sampling collection	:	17/03/2023	Purpose	:	As per Client requirement
Date of Sample Received	:	30/03/2023	Test Parameters	:	As per Client requirement
Date of Starting Analysis	:	30/03/2023	Quantity/No. of sample	:	250 gm/01
Date of completion Analysis	:	06/04/2023	Packed/Seal	:	Packed

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.17	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.0	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	65.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1297.5	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	18.9	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	65.4	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	398.4	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	231.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.25	1.2
11	Fluoride	APHA & AWWA. 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	26.7	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.2	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.


Chemist


Authorized Signatory
Rekha Dare

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Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/300323/03 Issue Date: 06/04/2023
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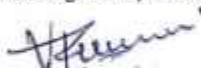
Lab ID Code	:	GLEPL/300323/SL ₁			
Sample Description	:	E-1400 V, Well No. #ABDB (Drill Cutting Sample), Phase-III rd			
Date of Sampling collection	:	28/03/2023	Purpose	:	As per Client requirement
Date of Sample Received	:	30/03/2023	Test Parameters	:	As per Client requirement
Date of Starting Analysis	:	30/03/2023	Quantity/No. of sample	:	250 gm/01
Date of completion Analysis	:	06/04/2023	Packed/Seal	:	Packed

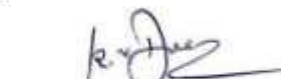
Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.48	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.1	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	75.2	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1767.6	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	21.7	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	75.0	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.9	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	328.3	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	251.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.13	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	3.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	24.2	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.4	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.


Chemist


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Rekha Dare

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Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Ankleshwar Asset, Ankleshwar.	Report No: GLEPL/300323/03 Issue Date: 06/04/2023
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Lab ID Code	GLEPI/300323/SL ₂		
Sample Description	E-1400 V, Well No. #ABDB (Drill Cutting Sample), Phase-III rd		
Date of Sampling collection	28/03/2023	Purpose	As per Client requirement
Date of Sample Received	30/03/2023	Test Parameters	As per Client requirement
Date of Starting Analysis	30/03/2023	Quantity/No. of sample	250 gm/hr
Date of completion Analysis	06/04/2023	Packed/Seal	Packed

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Reference Limit
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.48	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.1	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	75.2	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1757.6	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	21.7	20
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	75.0	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.3	20
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	328.3	500
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	251.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.13	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.3
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.3
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	1.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	1.0
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.10
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	24.2	60%
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.4	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rakhi Datta

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Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPI/300323/02

Issue Date: 06/04/2023

Lab ID Code	GLEPI/300323/51		
Sample Description	E-1400 V, Well No. #ABDD (Drill Cutting Sample), Phase-II nd	Purpose	As per Client requirement
Date of Sampling collection	17/03/2023	Test Parameters	As per Client requirement
Date of Sample Received	30/03/2023	Quantity/No. of sample	250 gm/01
Date of Starting Analysis	30/03/2023	Packed/Seal	Packed
Date of completion Analysis	06/04/2023		

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.17	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.0	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	65.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1297.5	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	18.9	100
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	55.4	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	298.4	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	231.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.25	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.2
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	26.7	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.2	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.
*: Details given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dare

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- As required by the applicable regulations.

Test Report
Drill Cutting Sample Analysis Report

Client's Name & Address:
Oil & Natural Gas Corporation Ltd.
Ankleshwar Asset,
Ankleshwar.

Report No: GLEPI/300323/02

Issue Date: 06/04/2023

Lab ID Code	GLEPI/300323/51		
Sample Description	E-1400 V, Well No. #ABDD (Drill Cutting Sample), Phase-I nd	Purpose	As per Client requirement
Date of Sampling collection	17/03/2023	Test Parameters	As per Client requirement
Date of Sample Received	30/03/2023	Quantity/No. of sample	250 gm/01
Date of Starting Analysis	30/03/2023	Packed/Seal	Packed
Date of completion Analysis	06/04/2023		

Result Table

Sr. No.	Test Parameters (Leachate Quality#)	Test Method	Unit	Result	Permissible Limit*
1	pH @ 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	pH unit	8.17	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2017)	°C	26.0	40 °C
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	65.8	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2017)	mg/L	1297.5	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2019)	mg/L	18.9	100
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2017)	mg/L	55.4	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	298.4	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	231.6	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	0.25	1.2
11	Fluoride	APHA & AWWA, 23rd Ed. 4500 F-D (4-90)	mg/L	ND (MDL: 0.1)	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND (MDL: 0.02)	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.03)	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND (MDL: 0.01)	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.1
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND (MDL: 0.01)	0.01
20	Percent Sodium	IS 3025 (P-45) 1993 & APHA 23rd Edition 2017	%	26.7	60 %
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2019)	mg/L	1.2	2.0

Note: #: Leachate quality is based on Water Leach Test; ND: Not Detected; MDL: Minimum Detection Limit.

*: Details given by customer.

[Signature]
Chemist

[Signature]
Authorized Signatory
Rekha Dare

Notes:

- The results pertain to tested items only.
- This report shall not be reproduced, except in full, without written approval of the laboratory.
- Authenticity of this Report could be validated with office copy at Greenleaf envirotech Pvt. Ltd.
- Perishable samples will be destroyed after testing, within 7 days from the date of issue of the report, unless otherwise agreed in writing between the client and the laboratory.
- As required by the applicable regulations.



EMERGENCY RESPONSE PLAN FOR RIG E-1400-17 DRILLING SERVICES ANKLESHWAR ASSET

Prepared by: Installation Manager: Shri KUNWAR MANISH KUMAR, SE(D) Shri DHARMPAL SINGH, SE(D)	Checked by : I/C. HSE, DS. Shri PANKAJ KUMAWAT, EE(D)	Reviewed by : Dept. Mines Manager, DS. Shri SUNEEL TIWARI, GM(D)	Approved by - Mines Manager, DS Shri BUGGE CHENCHAL KUMAR, CGM(D)
<i>Tham</i> DIC, Rig E-1400-17 Drilling Services ONGC, Ankleshwar 26/12/2025	<i>Pankaj</i> PANKAJ KUMAWAT Exo. Engineer (Drilling) Asset DS, ONGC, Ankleshwar Date: 26/12/2025	<i>Suneel</i> HIRACHAND DEORI GM (D), DS ONGC, Ankleshwar Date: 26/12/2025	<i>nup</i> BUGGE CHENCHAL KUMAR CGM (Drilling), HDS ONGC, Ankleshwar Date: 26/12/2025 Mines Manager Drilling Mines-100182, ONGC, Ankleshwar Asset

ONGC

ENERGY. Now AND Next

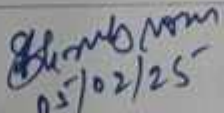
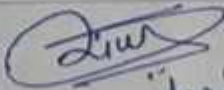
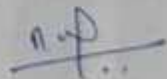
EMERGENCY RESPONSE PLAN FOR RIG E-1400-5

Prepared by: Installation Manager Shri G. Swami CE(D)	Checked by : I/C, HSE, DS <i>[Signature]</i> Shri S. K. Hembrom, DGM(D)	Reviewed By : Deputy Mines Manager Shri Suneel Tiwari GM(D)-LMDS	Approved by - Mines Manager, DS Shri B. Chenchal Kumar, CGM(D)-HDS
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Date : 15/09/2024	Date : 15/09/24	Date : 15/09/24	Date : 16/09/2024



**EMERGENCY
RESPONSE
PLAN FOR
RIG E-1400-7**

**DRILLING SERVICES
ANKLESHWAR ASSET**

Prepared by: Installation Manager	Checked by : I/C. HSE, DS.	Reviewed by : Deputy Mines Manager.	Approved by - Mines Manager, DS
T HARIKRISHNA SE(D) RAJIV SINGH PATEL, CE(D)	SANJEEV HEMBROM, DGM(D)	SUNEEL TIWARI, GM(D)	B CHENCHAL KUMAR, CGM(D)
 05/02/25	 05/02/25	 05/02/25	 05/02/25
Date: 05/02/25	Date: 05/02/25	Date: 05/02/25	Date: 05/02/25



making
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EMERGENCY RESPONSE PLAN FOR RIG NG-1500-4

DRILLING SERVICES ANKLESHWAR ASSET

Prepared by:
Installation
Manager

V NAGASWAMY
CE(D)
CHANDAN KUMAR
CE(D)

Chandan Kumar
CE(D), Kumar
11/01/2025

Date:

Checked by :
I/C. HSE, DS.

SANJEEV
HEMBROM,
DGM(D)

Sanjeev Hembrom
DGM(D), 21/01/25

Date :

Reviewed by :
Deputy Mines
Manager.

SUNEEL TIWARI,
GM(D)

Suneel Tiwari
24/1/2025

Date :

Approved by -
Mines Manager, DS

B CHENCHAL
KUMAR,
CGM(D)

B. Chenchal Kumar
24/01/25

Date :

MINES MANAGER
DS
NG-1500-4
Asst.



अंकलेश्वर परिसम्पत्ति, अंकलेश्वर Ankleshwar Asset, Ankleshwar



आपदा प्रबन्धन योजना-2025 DISASTER MANAGEMENT PLAN-2025



Prepared by	Checked by	Approved by
		
Prashant Kumar AEE (Env.)	Mainul Karim CGM-Head HSE	J. N. Sukanandan GGM-Asset Manager

NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/04/ONGC/N-001	Date of Report:	13/04/2023
Name & Add. Of Industries	M/s.OIL AND NATURAL GAS CORPORATION LIMITED. RIG.1400-5 WELL NO.#ABDA		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024
Sampling Method.	CPCB Guideline			

Date of Monitoring : 11/04/2023

Result

Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
1.	Near Main Gate	63.3	57.4	<75 dB(A)	<70 dB(A)
2.	Near Engines	71.6	68.5	<75 dB(A)	<70 dB(A)
3.	Near Mud Pump	69.5	64.1	<75 dB(A)	<70 dB(A)
4.	Near Derrick Floor	72.3	67.3	<75 dB(A)	<70 dB(A)
5.	Near Shale Shaker	70.6	58.4	<75 dB(A)	<70 dB(A)

***** End of Report *****

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq.	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

QCI NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule - II)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/03/ONGC/N-003	Date of Report:	01/04/2023
Name & Add. Of Industries	M/s.OIL AND NATURAL GAS CORPORATION LIMITED. RIG.1400-5 WELL NO.#ABDB		

➤ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024
Sampling Method.	CPCB Guideline			

Date of Monitoring : 30/03/2023

Result

Sr. No.	Location	Noise Level dB(A)		Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time
1.	Near Main Gate	68.4	59.5	<75 dB(A)	<70 dB(A)
2.	Near Engines	73.6	61.7	<75 dB(A)	<70 dB(A)
3.	Near Mud Pump	68.3	57.4	<75 dB(A)	<70 dB(A)
4.	Near Derrick Floor	72.5	59.8	<75 dB(A)	<70 dB(A)
5.	Near Shale Shaker	71.2	56.3	<75 dB(A)	<70 dB(A)

***** End of Report *****

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

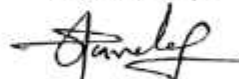
Area Code	Category of Area/Zone	Limit in dB (A) Leq.	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By:



Nikunj D. Patel
(Chemist)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

CER Projects

Project Name	Project cost (₹)	Status
Purchase & installation of Reverse Osmosis based Water ATM of 1000 LPH capacity for supplying drinking water to villagers of village Ambheta, Ta. Hansot, Dist. Bharuch, Gujarat	4,34,889/-	Completed
Purchase & installation of Reverse Osmosis based Water ATM of 1000 LPH capacity for supplying drinking water to villagers of village Vansoli, Ta. Hansot, Dist. Bharuch, Gujarat	4,34,889/-	Completed
Mangrove plantation using drone near Sarod village, Jambusar taluka of Bharuch, Gujarat	8,00,000	₹3,20,000 released as milestone linked payment. Project Discontinued due to lack of desired results
Financial Assistance for installation of Reverse Osmosis Plant with Water ATM at Hansot village, Ta. Hansot, Dist. Bharuch under Corporate Environment Responsibility (CER)	9,66,420/-	Completed
Purchase & Distribution of School Kits to students of seven (07) Government run primary Schools of Aliabet Area, Ta. Hansot, Dist. Bharuch, Gujarat	11,71,867/-	Completed
Financial Assistance for installation of 250 LPH Reverse Osmosis Plants with Water Coolers at four (04) Primary Schools of Jambusar Taluka, District Bharuch under Corporate Environment Responsibility (CER)	11,49,960/-	Completed

[illegible]

કોરોના વાયરસને બંધાવવા માટેના કાર્યોમાં પ્રોજેક્ટ બુસની સાર્ટ પર મંગળવારે મજૂરો તોફાને ચઢતા હોઈને થઈ ગઈ હતી. રાત્રીના કોન્ટ્રાક્ટરો દ્વારા ઘણી નવા ૪૦ મજૂરોને મજૂરો સાથે રહેવાની કસોટી હતી. જેને પગલે આવેલા નવા મજૂરોના મજૂરોમાં કોરોના ફેલાયેલાને પગલે આખી રાત ધોંધાધોળમાં નીકળી હતી. ઉરકેરાયેલા મજૂરોએ રોની ઓફિસ પર હુમલો કરવા સાથે બે કારમાં

ધરે અલગ રૂમ બાથરૂમ હોય તેમને હોમ આઈસોલેશનની સુવિધા : ડો.જંયતી રવિ

। ગાંધીનગર ।

કોરોના વાયરસના અતિ સામાન્ય લક્ષણો કે તાવ, શરદી, ઉધરસ, ગળામાં તકલીફ જેવા લક્ષણો જ ન પરાવતા એસિમ્પટોમેટિક દર્દીઓને હવે આરોગ્ય અને પોલીસની ટીમ પકડીને હોસ્પિટલ કે કોવિડ કેસ સેન્ટરમાં નથી લઈ જાય ! આવા દર્દીના પર અલાયદી રૂમ અને બાથરૂમ હશે તો તેને પોતાના જ ઘરમાં હોમ આઈસોલેશનમાં રાખીને વાયરસ લોડ ઘટાડવા તરફની સારવાર આપી શકાય તે માટે ગુજરાત સરકારે મહત્વનો નિર્ણય કર્યો છે.

આરોગ્ય અસરચિવ ડો.જંયતી રવિએ મંગળવારે સંજે ઉપરોક્ત નિર્ણય સંદર્ભે માહિતી આપતા કહ્યું કે, પોલિટીવ ટેસ્ટ પાસી જે દર્દીઓમાં કોઈ લક્ષણ જોવા મળતા નથી તેમને પોતાના જ ઘરમાં હોમ આઈસોલેશન હેઠળ રહેવાની મંજૂરી આપવા ભારત સરકારની નવી ગાઈડલાઈનને આધારે નક્કી કરવામાં આવ્યું છે. તેના માટે આવા લક્ષણ રહિત પોલિટીવ દર્દીનું ઘર જે વિસ્તારમાં આવતું હશે ત્યાંના પ્રાથમિક આરોગ્ય કેન્દ્રના અધિકારી દ્વારા વિઝિટ કરીને હોમ આઈસોલેશન માટે અલાયદી રૂમ અને બાથરૂમની વ્યવસ્થા છે કે કેમ ? તે સુનિશ્ચિત કરાશે. સાથે જ આવા દર્દીની કેબરેજ માટે પરીવારમાંથી કોણ છે તેની ખાતરી કર્યા બાદ પરિવારની સમતિને આધારે હોમ આઈસોલેશન એટલે કે ઘરમાં જ રહીને સારવારની છુટ આપવામાં આવશે. પોલિટીવ દર્દીમાં વાયરસ લોડ થતે તેના માટે હાઈડ્રોકોર્ટીસોન જેવાં કોર્ટિકોસ્ટિરોઈડ સહિતની પ્રોફિલ એક્ટિવ પણ આપવામાં આવશે. પોતાના જ ઘરમાં પરીવારની વચ્ચે પણ આઈસોલેશનને કારણે દર્દીઓ ઝડપથી સાજા થઈ શકે તે ઉદ્દેશ્યથી આ નિર્ણય કરવામાં આવ્યો છે.

આ સાત શરતોને આધિન હોમ આઈસોલેશન મળશે

- દર્દી અતિ સામાન્ય કે સામાન્ય લક્ષણો વિનાનો છે તેવું સારવાર કરનાર ડાહ્યાને નક્કી કરી સર્ટિફિકેટ આપવું પડશે.
- દર્દીના ઘરે સેલ્ફ આઈસોલેશન માટે અલાયદી રૂમ હોવો જરૂરી છે, ઘરના અન્ય સભ્યોથી દૂર રહેવું ફરજિયાત છે.
- દર્દીની સેવા માટે ૨૪/૭ કેર ગીવર હોવા જોઈએ જે હોસ્પિટલ અને દર્દી વચ્ચે સંકલન સાધી શકે.
- દર્દીએ પોતાના સ્વાસ્થ્યનું નિયમિત મોનિટરિંગ કરવાનું અને તેની જાણ સર્વેલન્સને કરવાની રહેશે. આરોગ્ય સેતુ એપે ફરજિયાત ડાઉનલોડ કરવી પડશે.

સમસ્તમાં નથી ફાવતું તેવા યુવાનો ઘરે સાજા થઈ શકશે

ગુજરાતમાં ૩૫૪૮ કેસ પેકી ૭૦ ટકા પોલિટીવ દર્દીઓ એસિમ્પટોમેટિક એટલે કે લક્ષણો ધરાવતા નથી. પરંતુ, આવા દર્દીઓ ખો સાયલન્ટ કેસિસ થઈને પોતાના જ પરીવાર કે આસપાસના યુવતીઓમાં ચેપ ફેલાવે તો સ્થિતિ વણસી શકે તેમ હોવાથી સરકારે લક્ષણો વગરના દર્દીઓને પણ કોવિડ કેસ સેન્ટરમાં રાખવા નિર્ણય કર્યો છે. અમદાવાદમાં ઘણા યુવાનોને સમસર હોસ્ટેલમાં ફાવતું નથી ! આથી, આવા દર્દીઓના ઘરમાં હોમ આઈસોલેશનની અલાયદી વ્યવસ્થા હોય તેમને હોસ્ટેલના કેસ સેન્ટરમાં આવવું નહીં પડે.

કર પર આરોગ્યમંત્રીએ બફાટ કર્યો 'ધાને કોણ તમારો બાપ ખવડાવશે'

કોરોના વાયરસને ફેલાતો આરોગ્ય વિભાગના પ્રોક્ટર અને પેરામેડિકલ ક્લિનિકો વચ્ચે કાર્યરત છે. સ્ત્રીઓની અને દર્દીઓની કરવા માટે કામ કરવાને લા આરોગ્યમંત્રી કિશોર નીતનવા નતકારને લઈ, ને સંકેતમાં મૂકી રહ્યા છે. ડો.જંયતી રવિએ કાનાલી

તેમની આક્રમક ફેસબુક કોમેન્ટને લઈને ચર્ચાના ચક્રોમાં ચઢ્યા છે. કુમાર કાનાલીએ તેમના સત્તાવાર ફેસબુક એકાઉન્ટ પર એક કોમેન્ટના જવાબમાં એવી પોસ્ટ લખી નાખી કે, 'આ બધાને કોણ તમારો બાપ ખવડાવશે'. રાજ્યના એક મંત્રીની આ બાપથી સી કોઈ દેવ રહી ગયા છે. આ પોસ્ટના લીધે, કાનાલી ટ્રોલ પણ થયા છે. કેટલાક લોકોએ લખ્યું કે, 'કિશોર કાનાલી તમારું ફેસબુક એકાઉન્ટ ટૂંક થઈ જાય છે.

આહકોને માસ્ક પહેરાવે : DGP માં લોકડાઉન વધુ સઘન

: કન્ટેનમેન્ટ વિસ્તારોમાં બેરીકેડિંગ કડક બનાવાશે

ટે કોઈને રોકાશે નહીં

વિસ્તારોમાં બોરવેલ ફિટિંગ માટે પોલીસ જવા આ સંદર્ભમાં સમગ્ર રાજ્યમાં પોલીસને સુચના આપી ફિટિંગ-રિપેરિંગ કરવા જનારાઓને ર નથી. તેઓને તેમના ડ્રાઈવિંગ લાઇસન્સ ચેક

છે. એએનપીઆર સોફ્ટવેર દ્વારા સોમવારે ૪૧ ગુના અને અત્યાર સુધી ૬૩૬ ગુના, અને અત્યાર સુધી ૧,૧૦૧ ગુના તેમજ પ્રધેરી વાહનો દ્વારા સોમવારે ૫૧ ગુના અને અત્યાર સુધી કુલ ૪૨૮ ગુના દાખલ થયા છે. ખોટી અકવા ફેલાવતા સોશિયલ મીડિયાના વધુ ૧૩ એકાઉન્ટ બંધ કર્યા અને આવા સોમવારે ૨૧ ગુના અને અત્યાર સુધી કુલ ૫૨૫ ગુનામાં ૧,૦૭૫ આરોપીઓ પકડાયા છે.

તબલિગી જમાતીઓના વધુ ૨ બનાવો

લોકડાઉનના ભંગ અંગેના તબલિગી જમાતના વધુ ૨ બનાવો ધ્યાને આવ્યા છે. ભરૂચથી અમુક લોકો તા. ૧૭-૩-૨૦ના રોજ રો-રો ફેરી દ્વારા દહેજથી ભાવનગર ગયા હતા, જેમાંથી ૬ લોકો ભાવનગરથી ભરૂચના પારખેત ગામે ખાનગી બસ દ્વારા પરત આવ્યાની જાણ થતાં પાલેજ પોલીસ સ્ટેશનમાં એમના વિરુદ્ધ લોકડાઉન ભંગનો ગુનો નોંધાયો છે. એવી જ રીતે ભાવનગરથી ૭ લોકો ખાનગી બસ દ્વારા ભરૂચના વાતરસા ગામે પરત આવ્યાની માહિતી મળતાં એમની સામે આમોદ પોલીસ સ્ટેશનમાં લોકડાઉન ભંગનો ગુનો નોંધાયો છે.

મોટાભાગના દેશોમાં આ પ્રકારે જ ટ્રીટમેન્ટ થાય છે

- વિશ્વના મોટાભાગના દેશમાં કોવિડ-૧૯ના એસિમ્પટોમેટિક દર્દીઓની ટ્રીટમેન્ટ પોતાના જ ઘરમાં હોમ આઈસોલેશનમાં રાખીને જ કરવામાં આવી રહી છે. જો સ્થિતિ વણસે તો હોસ્પિટલમાં રોકાડિટ કરવામાં આવશે.
- સેલ્ફ આઈસોલેશનની બંધી જ ગાઈડલાઈનનું પાલન કરશે તેવી બોહંધરી આપવી પડશે.
- કોઈ પણ પ્રકારના લક્ષણો જણાય તો તત્કાલિક હોસ્પિટલનો સંપર્ક કરવો પડશે.
- આવા દર્દીનું લેબોરેટરી ટેસ્ટ નેગેટિવ આવે પછી તેનું હોમ આઈસોલેશન પૂર્ણ થયાનું અધિકારી દ્વારા જાહેર થશે.

ઓઈનજીસી ONGC

ઓઇલ એન્ડ નેચરલ ગેસ કોર્પોરેશન લિમિટેડ
અંકલેશ્વર પરિસંપત્તી,
જાહેર નોટિસ

જાહેર જનતા ને જણાવવાનું કે ઓઇલ એન્ડ નેચરલ ગેસ કોર્પોરેશન ને પર્યાવરણ, વન તથા ક્લાઇમેટ ચેન્જ મંત્રાલય, નવી દિલ્હી દ્વારા તા.૨૨.૦૪.૨૦૨૦ ના ડ. ક્રમાંક J-1-11011/339/2016-IA-II-I) દ્વારા આલિયાબેટ ફ્રીડ, અંકલેશ્વર પરિસંપત્તી માં સ્થિત NGLP-V ઓફશોર બ્લોક CB-05N-2003/1 હેઠળ ચાર કુવાનું ડ્રિલિંગ કરવા માટે પર્યાવરણીય મંજૂરી તથા CRZ મંજૂરી આપવામાં આવેલ છે. મંજૂરીની નકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ પાસે ઉપલબ્ધ છે અને મંત્રાલય ની વેબસાઇટ <https://parivesh.nic.in/> પર જોઈ શકાશે.

અધિકૃત હસ્તાક્ષર,
અંકલેશ્વર પરિસંપત્તી, ઓઇલ એન્ડ નેચરલ ગેસ કોર્પોરેશન લિમિટેડ



their internal systems suitable modification required." dity brokers, however the settlement futures contracts n cash, and unlike where it's delivery-

based, the lowest price should be at Re 1 and should never dip into the negative zone.

Commodity Participants Association of India president Narinder Wadhwa said BSE's initiative was a positive development relating to contract

specifications and infrastructure capability, especially after the recent crude oil fiasco on the MCX and Nymex. "Although we have realised after this episode that they are non-comparable contracts for our settlement reference rates because of deliverability factor in Nymex. Since crude oil contracts on our exchanges are cash-settled, in our opinion it should not be negative. At lower end, it should be Re 1," Wadhwa said.

On April 20, due to several unusual factors, the settlement price for crude futures for May delivery on Nymex had closed at a negative \$37.63 per barrel. As a result, the next day MCX, which is a price taker from Nymex for its crude oil futures, had to announce the settlement price at a negative Rs 2,884. This forced buyers of this contract to pay around Rs 410 crore to the sellers.

and magnitude of Covid-19. Working contingency plans for various scenarios seem to be the priority. However, in private, a number of organisations confess that this will be a huge challenge as planners do not know how much will the consumer change and for what duration."

Although respondents were optimistic about the time frame of recovery from

certainty is likely to remain elevated. The economic impact could be broader than anything seen in the past—both globally and in India. The recovery in India is expected to be smoother than some of the other major western economies." Kumar said there's interest among businesses in protecting revenues, preserving value and

Thompson, South Asia, said, "In my discussions with many of our clients, the question on people's minds is whether the recovery will be V-shaped or a longer U-shaped one, and the consensus seems to be on the latter. However, most are hopeful that the year is not lost and we have time to recover in the second half to catch the festive season."

Govt extends AI selloff deadline

New Delhi: The government has extended the deadline to bid for Air India by two months till June 30, as the Covid-19 fallout has disrupted economic activity globally. This is the second extension in the deadline to submit bids by investors for

Air India since it initiated the process of stake sale in the debt-ridden national carrier on January 27.

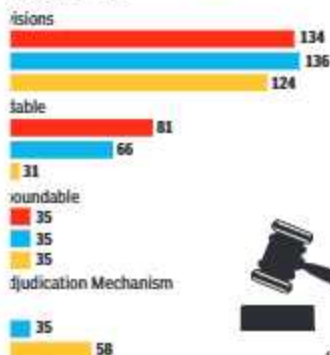
Issuing a corrigendum to the expression of interest (EoI) for sale of Air India,

the Department of Investment and Public Asset Management (DIPAM) said the deadline has been extended in view of the "request received from the IBs (interested bidders) in view of the prevailing situation arising out of Covid-19". AGENCIES

Finance route amendments

Companies Act Is Being Decriminalised

when decriminalisation started ■ Post 2019 amendments used amendments



eral industry reps. Of the 66 offences where criminalisation is allowed, amendment is looking to compoundable, allow to cure the violation of fine, of 11 compoundable, the provision rm is being done. Further, for six which were decriminalised earlier, the proposed to be

lowered. And, at least five offences will be dealt with under an alternate framework, which is an innovation that is being tried out.

For instance, section 16 of the law allows the government to order a name change in cases where a recently-incorporated company's name is similar to an existing one. The amendments propose to introduce a mechanism under which a new computer-generated name will be assigned.

29% in Max regulatory nod

WESTERN RAILWAY-AHMEDABAD DIVISION

TENDER NOTICE FOR HOUSEKEEPING WORK

TENDER NOTICE (NT)

E-TENDER NOTICE No: DRM /Comm/01/2020-21, dated 27.04.2020

E-Tender is invited from eligible contractors for the following work.

Name of the Work	Contract for Housekeeping at TTE Restroom, bed bug treatment (at least 4 times in a year and additional frequency as per practical requirement) including washing of linen and subsidised meal at TTE Rest house at Ahmedabad Railway station for 04 (Four) years.
Tender No	C649/24-Housekeeping/RR/AD/2020, dt/27.04.2020
Estimated Cost of work	₹ 4,01,36,736/- (Rupees Four Crores One Lakh Thirty Six Thousand Seven Hundred and Thirty Six Only).
Earnest Money Deposit	₹ 3,50,700/- (Rupees Three Lakh Fifty Thousand Seven Hundred Only)
Date & Time of tender closing and opening	Closing at 15:00 hrs. of 25.05.2020 and opening at 15:30 hrs. of 25.05.2020
Website particulars Notice Board location where complete details of tender can be seen & address of the office of tender inviting Authority	https://www.inrpa.gov.in , Divisional Railway Manager (Commercial), (W. Ry.) Commercial Branch, Near Chamunda Bridge, Naroda Road, P.O. Sajpur Bogha, Ahmedabad - 382 345

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

(CIN : U40109KA1999SGSC025521)

No. CEE/T&P/SEE/EE-T/1/AEET-2/2020-21/895-35 Date: 27-04-2020

BRIEF TENDER NOTIFICATION

(THROUGH E-PROCUREMENT PORTAL ONLY)

Karnataka Power Transmission Corporation Ltd., invites Bid on electronic mode for the following works against following Enquiry Numbers.

Enquiry No.	Particulars
KPTCL/CEE/T&P/220KV/KUDACHI/TTK/SS-1170	Providing additional 3rd 100MVA, 220/110/11kV Power Transformer at 220/110/11kV Sub-Station Kudachi in Raibagh taluk, Belagavi district on Total Turnkey Basis, including Supply of all matching Materials/Equipment's, Mandatory Spares and Erection (including Civil Works) of all Materials/Equipment's, Testing and Commissioning.
KPTCL/CEE/T&P/220KV/VIJAYAPURA/TTK/SS-1171	Providing additional 100MVA, 220/110/11kV Power Transformer at 220/110/11kV Sub-Station Vijayapura in Vijayapura Taluk & District on Total Turnkey Basis, including Supply of all matching Materials/Equipment's, Mandatory Spares and Erection (including Civil Works) of all Materials/Equipment's,



भारतीय रिज़र्व बैंक
RESERVE BANK OF INDIA
www.rbi.org.in

TENDER NOTICE

The Reserve Bank of India intends to take Insurance Policy for all its properties (Office and Residential) and the contents thereof for the period of nine months i.e. July 2020 to March 2021. Tendering for the same should be done through e-tendering portal at RBI.org.in. For further details, the interested bidders are requested to visit the RBI website (www.rbi.org.in). Any corrigendum/extension/announcement etc. shall be posted on Bank's website (www.rbi.org.in) only and no separate notification shall be issued in the press.

Mumbai Chief General Manager in Charge, Premium Department, Control Office

"Don't get cheated by E-mail/SMS/Whatsapp promising you money"

ओएनजीसी



ONGC

OIL AND NATURAL GAS CORPORATION LIMITED
ANKLESHWAR ASSET

PUBLIC NOTICE

This is to inform public that Oil and Natural Gas Corporation has been accorded Environmental Clearance and CRZ clearance by the Ministry of Environment Forest and Climate Change, New Delhi for drilling of Four Wells under the NELP-V Offshore block CB-OSN-2003/1 at Aliabet Field, Ankleshwar Asset (Gujarat) vide F. No. J-1-11011/339/2016-IA-II-(I) dated 22.04.2020. Copy of the clearance is available with Gujarat Pollution Control Board and may be seen at website of Ministry at <https://parive.sh.nic.in>

Authorised signatory
Ankleshwar Asset, Oil and Natural Gas Corporation Ltd.



INSTITUTE OF LIFE SCIENCES BHUBANESWAR

(An autonomous research Institute of Department of Biotechnology, Govt. of India)

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Advt No. 01 / 2020

Institute of Life Sciences (ILS), invites applications from eligible Indian citizens only for 01 position of Scientist-B (reserved for EWS Category). Details of the advertisement and application form are available at www.ils.ac.in