



**HSE Department**  
Oil India Limited  
Duliajan, Dibrugarh, 786602, Assam  
Phone : 0374-2800542  
Email: [safety@oilindia.in](mailto:safety@oilindia.in)

संदर्भ सं./Ref. No.: S&E/E/43C-1/624

दिनांक/Date: 29.05.2025

<b>From</b>	:	Executive Director (HSE & ESG)
<b>To</b>	:	Deputy Director General of Forests (Central), Sub Office, Guwahati (under Regional Office, Shillong), 4th Floor, Housefed Building, Rukminigaon, Guwahati-781022. (Email : <a href="mailto:iro.guwahati-mefcc@gov.in">iro.guwahati-mefcc@gov.in</a> , <a href="mailto:iro.moefcc.ghy@gmail.com">iro.moefcc.ghy@gmail.com</a> )
<b>Subject</b>	:	Submission of Half-yearly (October 2024 to March 2025) compliance reports of the conditions stipulated in the Environment Clearance (EC) granted to Oil India Limited.

Sir,

Reference to above subject, please find enclosed herewith the Half-yearly (**October 2024 to March 2025**) compliance reports of the conditions stipulated in the Environment Clearance (EC) granted to Oil India Limited. List of the EC are tabulated below:

S.No	EC Identification No/File No.	Name of the EC proposal
1.	F. No. J-11011/413/2008-IA II (I) dated 24.01.2011	OCS Bhogpara.
2.	F. No. J-11011/1251/2007-IA II (I) dated 01.11.2011	Exploratory Drilling of 01 (One) well at Doomdooma-Pengry Area, District Tinsukia, Assam.
3.	F. No. J-11011/682/2008-IA II (I) dated 17.06.2013	Expansion of Gas field Development in Tengakhat-Naharkatia-Jorajan area and Doomdooma Pengry area, Assam by M/s Oil India Ltd.
4.	F. No. J-11011/116/2018-IA II (I) dated 07.01.2020	Onshore Oil & Gas Exploration & Development Drilling and Production in Ningru Oil & Gas Field in Districts Changlang and Namsai for Ningru PML Block (Arunachal Pradesh)
5.	F. No. J-11011/1260/2007-IA II (I) dated 09.04.2020	Onshore Oil & Gas Development Drilling and Production in Mechaki Area covering Mechaki, Mechaki Extension, Baghjan and Tinsukia Extension PMLs on District Tinsukia (Assam).
6.	F. No. J-11011/150/2016- IA II (I) dated 11.05.2020	Extension Drilling & Testing of Hydrocarbons at 7 (seven) Locations under Dibru-Saikhowa National Park Area, North-West of Baghjan PML, District Tinsukia, Assam.
7.	F. No. J-11011/1253/2007-IA II (I) dated 28.12.2020	Onshore Oil & Gas development drilling and production by M/S Oil India Ltd in Dibrugarh district under Dibrugarh, Chabua, Hugnrijan and Tinsukia PMLs. (Dibrugarh- Bhogpara)
8.	F. No. J-11011/375/2016-IA II (I) dated 28.12.2020	Onshore Oil & Gas Development Drilling and Production (179 wells and 9 Production Installations) in North Hapjan – Tinsukia – Dhola area under Tinsukia district, Assam.



**HSE Department**  
Oil India Limited  
Duliajan, Dibrugarh, 786602, Assam  
Phone : 0374-2800542  
Email: [safety@oilindia.in](mailto:safety@oilindia.in)


9.	F. No. J-11011/35/2018-IA II (I) dated 26.02.2021	Onshore Oil & Gas development drilling and production by M/S Oil India Ltd. Located in Khagorijan Oil & Gas Field in Dibrugarh & Tinsukia District under Tinsukia PML, Tinsukia Extension PML and Chabua PML District: Dibrugarh, Assam
10.	F. No. J-11011/186/2016-IA II (I) dated 03.03.2021	Onshore Oil & Gas development drilling and production in Borhat-Titlagarh area, Dibrugarh, Sibsagar and Charaideo Districts under Sapkainth, Borhat, Moran Extension and Doomdooma PMLs.
11.	EC22A002AS110311 F. No. J-11011/156/2017-IA II (I) dated 28.11.2022	Oil & Gas development drilling and production (16 exploratory, 73 developmental drilling wells and 9 Production Installations) in Moran Area under Dibrugarh, Sibsagar and Charaideo districts, Assam.
12.	EC23A002AS125690 F. No. J-11011/1254/2007-IA II (I) dated 13.01.2023	Oil & Gas development drilling and production (68 developmental drilling wells and 9 Production Installations) in Khowang Shalmari Area under Dibrugarh, Sibsagar districts, Assam.
13.	EC23A002AS188131 F.No J-11011/1257/2007- IA II (I) dated 17.04.2023	Onshore Oil & Gas development drilling and production (167 wells and 7 production Installations) in Tengakhath-Kathaloni-Dikom (TKD) under Dibrugarh district, Assam.
14.	EC23A002AS198872 F. No. J-11011/388/2016-IA II (I) dated 31.07.2023	Onshore Oil & Gas development drilling (67 wells) in Jorajan Area under Dibrugarh, Charaideo and Tinsukia districts, Assam.
15.	EC23A002AS146942 F.No. J-11011/546/2017-IA(I) dated 20.09.2023	Onshore Oil & Gas development drilling and production (294 wells and 2 Production Installations) in Naharkatiya-Deohal-Bogapani-Nagajan (NDBN) area under Dibrugarh & Tinsukia districts, Assam.

This is for your kind information please.

Thanking you.

Yours faithfully,  
For Oil India Limited



  
(Mallika Baruah Sarma)  
Executive Director (HSE & ESG)  
Nodal Officer (EC, FC, NBWL)  
**For Resident Chief Executive**

Encl: As above



**HSE Department**

Oil India Limited

Duliajan, Dibrugarh, 786602, Assam

Phone : 0374-2800542

Email: [safety@oilindia.in](mailto:safety@oilindia.in)

**Copy:**

1. Director, Monitoring Cell, MoEF, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003.
2. Zonal Office, Central Pollution Control Board, "TUM-SIR", Lower Motinagar, Near Fire Brigade Headquarter, Shillong-793014.
3. Chairman, Assam Pollution Control Board, Bamunimaidan, Guwahati-781021, Assam.
4. Chairman, Arunachal Pradesh State Pollution Control Board, Office of the Principal Chief and Secretary (E&F) Conservator of Forests, Govt. of Arunachal Pradesh, Itanagar-791111, Arunachal Pradesh.

**STATUS OF COMPLIANCE OF EC CONDITIONS**

**Installation: OCS-BHOGPARA**

**Period: 01/10/2024-31/03/2025**

**EC No: No J-11011/413/2008-I A II(I) DATED 24.01.2011**

Specific Condition		
Sl No.	EC Condition	Compliance status/Remark
i.	Environmental clearance is subject to obtaining prior clearance from wildlife angle including clearance from the Standing Committee of the National Board for Wildlife regarding impact of the proposed projects on the Padumani Wildlife Sanctuary (8.2 km from new BUS at Mahum), Borjhan Wildlife Sanctuary (5 km from STF) and 3 recently declared Wildlife sanctuaries (declared on 20th October, 1999) besides Dibru-Saikhowa National Park (9 km from BUS) located within 10 km. area as applicable.	Not Applicable
ii.	Grant of environmental clearance does not necessarily imply that wildlife clearance shall be granted to the project. The proposal for wildlife clearance shall be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from wildlife angle shall be at the cost and risk of the project proponent and Ministry of Environmental & Forests shall not be responsible in this regard in any manner.	Agreed
iii.	Ambient air quality shall be monitored for PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , and non-methane hydrocarbon (NMHC) as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16 <sup>th</sup> November 2009.	Complied.  Ambient Air Quality Monitoring is being carried out as per NAAQS, 2009. Copy of the monitoring report is enclosed.
iv.	The stacks of adequate height shall be provided to control emissions from all the sources including DG sets, steam generators etc. as per the regulatory requirements and emissions from stacks shall meet the MOEF/CPCB guidelines.	Complied. Stack Height is being maintained as per CPCB standards.
v.	The company shall make the arrangement for control of noise from the DG sets and meet DG set norms notified by the MoEF.	In the said time period no DG sets were available and hence Not applicable.



vi.	Total ground water requirement for OCS, STF, ITF and BUS shall not exceed 128 m <sup>3</sup> /day/well and prior permission shall be obtained from the Central Ground Water authority/state Ground Water Board (CGWA/SGWB). A copy of the permission shall be submitted to the Ministry's Regional Office at Shillong. Effluent Treatment Plant (ETP) shall be installed to control oil content and other parameters as per Assam Pollution Control board (APCB) and/or Environment (Protection) Act whichever is more stringent. Treated wastewater shall be passed through multi-media filters to remove solids and clarified water shall be collected into storage tubes before pumping to disposal wells. Oily waste water shall be treated in oil separator to remove oil content in the effluent. Domestic effluent shall be treated in septic tank followed by soak pit. The treated effluent shall be monitored regularly.	Complied.  Formation water of Bhogpara OCS is treated in ETP Tengakhat to desired standards.
vii.	Tank bottom sludge from crude oil tanks of OCS shall be stored in secured covered impermeable concrete sludge pit located outside the proposed installation before safe disposal through approved/registered recyclers. Waste oil and used batteries shall be sold to authorized recyclers/re-processors. Secured land fill shall be as per the design approved by the CPCB and obtain authorization from the Assam SPCB. Copy of authorization shall be submitted to Ministry's Regional Office at Shillong.	Complied.
viii.	Total storage capacity of the tanks shall not exceed 40,000 KL after expansion. Capacity of the each of the storage tank shall not exceed 5,000 KL. Instead of fixed roof tanks, floating roof tanks shall be provided.	Complied.
ix.	A comprehensive Oil Spill Contingency plan (OSCP) shall be prepared to handle all major, moderate and minor spill.	Complied during all the operation & maintenance activities.
x.	All the OCS shall have facilities for knocking outwater from the formation fluid. The Formation water from Electrostatic, Emulsion Treater (EET) shall be disposed to the disposal wells only after ensuring all the parameters within permissible limit of Assam PCB and / or prescribed under E(P) Act whichever is more stringent.	Complied
xi.	Use of browser for the transportation of oil shall be stopped as soon as pipeline is installed.	Complied
xii.	M/s OIL shall prepare a remediation plan (both bio-remediation) where solid is contaminated due to spillage of oil in existing units and submit to MOEF.	In Situ & Ex-Situ Bioremediation plan is in place for any soil contamination.

xiii.	An immediate action shall be ensured to control and treat oil spill or oil sludge using suitable method. Remaining oil shall be remediated through bioremediation / Phyto-remediation etc. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	Emergency Response Plan to mitigate oil spillage and its control is in place and bioremediation is carried out for remaining oil. Hence complied.
xiv.	All the solid/hazardous waste including bottom sludge shall be handled as per the rules and guidelines under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended in October, 1994 and January, 2000. All the oily sludge from ITF, STF, and BUS OCS shall be stored in secured land fill (SLF) as per CPCB guidelines.	Complied as per the Rules. Secured, covered, impermeable sludge storage facility is available.
xv.	Handling and disposal of hazardous wastes shall be in accordance with the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. Authorization from the Assam SPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	Complied.
xvi.	The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operations by adopting non- destructive method (S) of testing. Pearson survey and continuous potentialsurvey shall be carried out a regular interval to ensure the adequacy of cathodic protection system.	Complied
xvii.	The project authorities shall install SCADA system for safe operation of pipeline and leak Detection Systems (LDS). Additional sectionalizing valves in the residential area and	SCADA system has been installed at the installation to monitor the leak for safe operation of pipeline. Hence complied.
	sensitive installations shall be provided to prevent the spillage of the oil in the event of pipeline failure. Intelligent pigging facility shall be provided for the entire pipeline system for internal corrosion monitoring.	
xviii.	M/S OIL shall ensure smokeless flaring in case of ground flaring. The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation. To prevent fire and explosion at Oil and Gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable materials shall be in place.	Complied. Complete combustion is ensured by adequate supply of air.

xix.	The flare system shall be designed as per good oil field practices and oil industry Safety Directorate (OISD) guidelines.	Complied.
xx.	The firefighting facilities shall be designed as per OISD-117 guidelines. For fighting prolonged fires, the company shall firm up a plan for assured water supply from nearby ground water/surface water sources.	Complied.
xxi.	Comprehensive Risk assessment and Consequence Analysis for all the activities regarding impact of the proposed project on the Secondary Tank Farm (STF), Oil Collecting Station (OCS), Intermediate Tank Farm (ITF), Browser Unloading station (BUS) and pipeline shall be carried out. Action plan to implement the recommendations shall be submitted to the ministry and proper implementation shall be ensured.	Complied.
xxii.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Will be complied Occupational Health Surveillance of workers engaged in drilling operation is being carried out on regular basis. Records of the IME/PME are enclosed as Annexure.
xxiii.	The project proponent shall also comply with the environmental protection measures and safeguards recommended in the EIA/EMP report.	Complied with the environmental protection measures and safeguards recommended in the EIA/EMP report.
xxiv.	The surface facilities shall be installed as per applicable codes and standards, international practices and applicable local regulations.	Complied. All the surface facilities are installed as per applicable codes and standards, international practices and applicable local regulations such as API, ASTM, OISD, OMR, APCB & CPCB etc.
xxv.	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas/oil shall be governed by ASME/ANSI B 31.8/B31.4 and OISD standard 141.	Complied.
xxvi.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not Applicable

<b>General Condition</b>		
<b>Sl No.</b>	<b>EC Condition</b>	<b>Compliance status/Remark</b>
i.	The project authorities must strictly adhere to the stipulations made by the Assam State Pollution Control Board (ASPCB), State Government and any other statutory authority.	Agreed`
ii.	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied No further expansion or modifications will be carried out other than the activities mentioned in the Environment Clearance without the prior approval of MoEF&CC.
iii.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire safety Inspectorate etc. must be obtained, wherever applicable.	Complied.
iv.	The project authorities must strictly comply with the rules and regulation with regarding to handling and disposal of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	Complied
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generations. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70dBA (nighttime).	Complied. Noise level in the drilling sites and Production Installations will be kept within the permissible limits by providing acoustic enclosures around DG sets.


vi.	A separate Environment Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Complied. OIL has Environment Cell along with laboratory facilities to carry out environmental management and monitoring functions. Details are enclosed as Annexure – A.
vii.	The project authorities shall provide adequate funds both recurring and non- recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied.
viii.	The Regional Office of this Ministry/Central Pollution Control Board/ Assam State Pollution Control Board shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Being complied.
ix.	A copy of clearance letter shall be sent by the proponent to concern Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied
x.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the Assam SPCB. The Criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> , HC (Methane & Non- methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied EC compliance report along with environmental monitoring data for the period April 2024 to September 2024 was submitted to Sub-Office (MoEF&CC), Guwahati, Zonal Office CPCB, Shillong and Chairman - Pollution Control Board Assam vide L.No. S&E/E/43C-1/1243 dated 30.11.2024. Six-monthly compliance report is uploaded to OIL website under the links <a href="https://www.oilindia.com/environmental-compliance-grants">https://www.oilindia.com/environmental-compliance-grants</a> & <a href="https://www.oilindia.com/environmental-compliancereports">https://www.oilindia.com/environmental-compliancereports</a> respectively.

xi.	The Project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional of MOEF, the respective Zonal Office of CPCB and the Assam SPCB. The Regional Office of this Ministry/ CPCB/ Assam SPCB shall monitor the stipulated conditions.	Complied EC compliance report for the period April 2024 to September 2024 was submitted to Sub-Office (MoEF&CC), Guwahati, Zonal Office CPCB, Shillong and Chairman - Pollution Control Board Assam vide L.No. S&E/E/43C-1/1243 dated 30.11.2024. Six-monthly compliance report is uploaded to OIL website under the links <a href="https://www.oilindia.com/environmental-compliance-grants">https://www.oilindia.com/environmental-compliance-grants</a> & <a href="https://www.oilindia.com/environmental-compliancereports">https://www.oilindia.com/environmental-compliancereports</a> respectively.
xii.	The environment statement for each financial year ending 31st march in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Complied. Environment Statement (Form – V) for the F.Y. 2023-24 was submitted to Pollution Control Board, Assam vide No. S&E/E/21(B)/1013 dated 24.09.2024. Copy of the same is enclosed as Annexure – C.
xiii.	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 Assam SPCB and may also be seen at Website of the Ministry of Environment and Forest at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be forwarded to the Regional Office.	Complied
xiv.	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 commencing the land development work.	Complied

## Ambient Air Quality Monitoring Report

Name & Address of the Customer :		Report No. : MSK/2024-25/02396			
"M/s OIL INDIA LIMITED",  Duliajan, Dibrugarh, Assam-786602		Report Date : 29.01.2025			
		Sample Description : Ambient Air			
		Sample Number : <b>MSKGL/ED/2024-25/01/01839</b>			
		Sampling Location : <b>OCS BHOGPARA</b>			
		Instrument ID : RDS 1317-DTK-2008/ FPS 92-DTL-2021			
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277		GPS Reading : N 27°51'38", E 95°42'53"			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date		
18.01.2025	21.01.2025	21.01.2025	28.01.2025		
Environmental Conditions During Sampling & Transport Condition : Temperature : 25°C, Rain fall : NO					
<b>Analysis Result</b>					
Sl. No.	Test Parameter	Method	Unit	Results	CPCB Limit
1.	Particulate Matter ( PM <sub>10</sub> )	IS : 5182 (Part-23)-2006	(µg/m <sup>3</sup> )	70.4	100
2.	Particulate Matter ( PM <sub>2.5</sub> )	IS : 5182 (Part-24)	(µg/m <sup>3</sup> )	37.2	60
3.	Sulphur Dioxide ( SO <sub>2</sub> )	IS : 5182 (Part-2)-2001	(µg/m <sup>3</sup> )	7.2	80
4.	Nitrogen Dioxide ( NO <sub>2</sub> )	IS : 5182 (Part-6)-2006	(µg/m <sup>3</sup> )	22.4	80
5.	Carbon Monoxide ( CO )	IS 5182 : (Part-10) : 1999	(mg/m <sup>3</sup> )	0.72	2
6.	Ozone ( O <sub>3</sub> )	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m <sup>3</sup> )	20.5	180
7.	Ammonia ( NH <sub>3</sub> )	IS 5182 (Part 25) : 2018	(µg/m <sup>3</sup> )	10.3	400
8.	Lead ( Pb )	USEPA IO-3.4	(µg/m <sup>3</sup> )	<0.01	1
9.	Nickel ( Ni )	USEPA IO-3.4	(ng/m <sup>3</sup> )	<5.0	20
10.	Arsenic ( As )	USEPA IO-3.4	(ng/m <sup>3</sup> )	<1.0	6
11.	Benzene ( C <sub>6</sub> H <sub>6</sub> )	IS 5182 : (Part 11) : 2006	(µg/m <sup>3</sup> )	<4.2	5
12.	Benzo(a)Pyrene ( BaP )	IS 5182 : (Part 12) : 2004	(ng/m <sup>3</sup> )	<0.5	1
13.	Mercury ( Hg )	USEPA IO-5.0	(µg/m <sup>3</sup> )	<0.002	...
14.	Methane (Hydrocarbon)	IS 5182 : (Part 17)	ppm	1.95	...
15.	Non-methane (Hydrocarbon)	IS 5182 : (Part 17)	ppm	<0.5	...
16.	Total Hydrocarbon	IS 5182 : (Part 17)	ppm	1.95	...
17.	Volatile Organic Compounds (VOC)	IS 5182 : (PART-11):2006	(µg/m <sup>3</sup> )	<4.2	...
Limit as per CPCB notification, New Delhi, 18th Nov, 2009. for Ambient air quality					

**Analyzed By:**

Signature :   
 Name : Mr. Bhaskarjyoti Dutta  
 Designation : Chemist

**Prepared By:**

Signature :   
 Name : Mr. Dipankar Das  
 Designation : Office Assistant

**Authorized Signatory**

For Mitra S.K. Private Limited  
 Signature :   
 Name : Mr. Ravi Sankar Roy  
 Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is Approved by ISO/IEC 17025: 2017 & Assam PCB, Lab Address: House No 9, 2<sup>nd</sup> Floor, Arunachal Path, R.G. Baruah Road, Guwahati-781021(Assam)

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.  
 Tel : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
 Email : info@mitrask.com. Website: www.mitrask.com



**Approved by**  
 Uttam Prodhan

Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam



# NOISE LEVEL MEASUREMENT REPORT

LOCATION : OCS Bhogpara

(Production Installation – OCS/EPS/QPS)

Date : 17.12.2024 Time : 09.00 PM

Sl. No.	Noise Level Measurement at		Measurement in dB(A)	Threshold limit value for Noise as per OISD-166		Recommendation
1	Control Room / Operator Room	Door Open	52	Duration per day(hours)	Sound Level (dBA)	
		Door Closed	50			
2	Middle of Group Area		52	8	90	
3	At the Entrance		46	6	92	
4	Security Hut		46	4	95	
5	Meter Shed		52	3	97	
6	Tank Area		46	2	100	
7	Air Compressor			1 - ½	102	
				1	105	
				½	110	
				¼ or less	115	

Sl. No.	Noise Level Measurement at	Noise level at source in dB(A)	At a distance from the shed								In dB(A)				Near boundary of the installation In dB(A)	Remarks
			5 mtrs				10 mtrs				15 mtrs					
			North	South	East	West	North	South	East	West	North	South	East	West		
1	CODP	93	83	84	85	84	74	74	75	73					East – 57 West – 49 North – 50 South – 51	
2	FWDP	76	70	69	70	70	66	64	66	65						
3	Drenching pump															
4	Emulsion Treater	70	65	64	63	64										
5	Indirect Heater	69	64	63	64	63										
6	Chemical Dosing Pump	66	60	61	60	60										
7	Power house	90	80	81	82	81	70	71	70	70						
8	SCADA Room	63	58	59	60	59										
9	Water Pump House															

Sound Level Meter : Make - HTC

S/N - SL1351

Authorised Person  
Mitra SK Pvt. Ltd.



Approved by  
Mr. Uttam Prodhan  
Suptdg Research Scientist  
Oil India Ltd, Duliajan

Authorised Person  
Oil India Ltd, Duliajan

## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02201
"M/s OIL INDIA LIMITED"  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00287
		Instrument ID	: 135-H-19
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<b>General information about stack :</b>		:	
1.	Stack connected to	:	CODP-1	
2.	Emission due to	:	NG	
3.	Material of construction of Stack	:	MS	
4.	Shape of Stack	:	Circular	
5.	Whether stack is provided with permanent platform & ladder	:	Yes	
6.	DG capacity	:	157 HP	
B.	<b>Physical characteristics of stack :</b>			
1.	Height of the stack from ground level	:	2.4384 m	
2.	Diameter of the stack at sampling point	:	0.1016 m	
3.	Area of Stack	:	0.00810 m2	
C.	<b>Analysis/Characteristic of stack:</b>			
	1. Fuel used : NG			
D.	<b>Result of sampling &amp; analysis of gaseous emission</b>	<b>Result</b>	<b>Limit as per CPCB</b>	
			<b>Method</b>	
1.	Temperature of emission (°C)	162	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	19.97	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	397	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.8	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.162	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.6	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.3	...	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.285	≤ 4.7	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	...	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.091	≤ 0.3	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.019K	≤ 0.7	AS PER CPCB
E.	<b>Pollution control device:</b>		<b>Remarks:</b> Nil	
	Details of pollution control devices attached with the stack : Nil			

Analyzed By:



Prepared By:



Authorized Signatory

For Mitra S.K. Private Limited

Signature :

Name : Mr. Bhaskarjyoti Dutta

Designation : Chemist

Signature :

Name : Hiramoni Rajbongshi

Designation : Office Assistant

Signature :

Name : Mr. Ravi Shankar Roy

Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-18 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.

Tel : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008

Email : info@mitrask.com. Website: www.mitrask.com



Approved by

Uttam Prodhan

 Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam

## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02202
"M/s OIL INDIA LIMITED"  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00288
		Instrument ID	: 135-H-19
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<b>General information about stack :</b>		:
1.	Stack connected to	:	CODP-2
2.	Emission due to	:	NG
3.	Material of construction of Stack	:	MS
4.	Shape of Stack	:	Circular
5.	Whether stack is provided with permanent platform & ladder	:	Yes
6.	DG capacity	:	157 HP
B.	<b>Physical characteristics of stack :</b>		
1.	Height of the stack from ground level	:	2.4384 m
2.	Diameter of the stack at sampling point	:	0.1016 m
3.	Area of Stack	:	0.00810 m2
C.	<b>Analysis/Characteristic of stack:</b>		
	1. Fuel used : NG		
D.	<b>Result of sampling &amp; analysis of gaseous emission</b>	<b>Result</b>	<b>Limit as per CPCB</b>
			<b>Method</b>
1.	Temperature of emission (°C)	156	...
2.	Barometric Pressure (mm of Hg)	762.0	...
3.	Velocity of gas (m/sec.)	19.39	...
4.	Quantity of Gas Flow (Nm3/hr)	391	...
5.	Concentration of Oxygen (%v/v)	13.6	...
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.158	≤ 3.5
7.	Concentration of Carbon Dioxide (%v/v)	5.8	...
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.5	...
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.291	≤ 4.7
10.	Concentration of Lead (mg/Nm3)	<0.005	...
11.	Concentration of Particulate matter (g/kW-hr)	0.089	≤ 0.3
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.027K	≤ 0.7
E.	<b>Pollution control device:</b>		
	Details of pollution control devices attached with the stack : Nil		
	<b>Remarks:</b> Nil		

Analyzed By:



Signature :  
 Name : Mr. Bhaskarjyoti Dutta  
 Designation : Chemist

Prepared By:



Signature :  
 Name : Hiramoni Rajbongshi  
 Designation : Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited

Signature :  
 Name : Mr. Ravi Shankar Roy  
 Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.  
 Tel. : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
 Email : info@mitrask.com. Website: www.mitrask.com



Approved by  
 Uttam Prodhan

Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam



## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02203
“M/s OIL INDIA LIMITED”  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00289
		Instrument ID	: I35-H-19
Ref. No.:W.O. NO.- 8129283 of    Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<u>General information about stack :</u>		:	
1.	Stack connected to	:	CODP-3	
2.	Emission due to	:	NG	
3.	Material of construction of Stack	:	MS	
4.	Shape of Stack	:	Circular	
5.	Whether stack is provided with permanent platform & ladder	:	Yes	
6.	DG capacity	:	157 HP	
B.	<u>Physical characteristics of stack :</u>			
1.	Height of the stack from ground level	:	2.4384 m	
2.	Diameter of the stack at sampling point	:	0.1016 m	
3.	Area of Stack	:	0.00810 m2	
C.	<u>Analysis/Characteristic of stack:</u>			
	1. Fuel used : NG			
D.	<u>Result of sampling &amp; analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>	<u>Method</u>
1.	Temperature of emission (°C)	146	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	19.59	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	404	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.4	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.164	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.2	...	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.284	≤ 4.7	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	...	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.092	≤ 0.3	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.025K	≤ 0.7	AS PER CPCB
E.	<u>Pollution control device:</u>		<u>Remarks:</u> Nil	
	Details of pollution control devices attached with the stack : Nil			

Analyzed By:



Signature :  
 Name : Mr. Bhaskarjyoti Dutta  
 Designation : Chemist

Prepared By:



Signature :  
 Name : Hiramoni Rajbongshi  
 Designation : Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited

Signature :  
 Name : Mr. Ravi Shankar Roy  
 Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016. West Bengal, India.  
 Tel : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
 Email : info@mitrask.com. Website: www.mitrask.com



Approved by  
 Uttam Prodhan

Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam

## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02204
"M/s OIL INDIA LIMITED"  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00290
		Instrument ID	: 135-H-19
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<u>General information about stack :</u>		:
1.	Stack connected to	: DRENCHING PUMP-1	
2.	Emission due to	: HSD	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 310 HP	
B.	<u>Physical characteristics of stack :</u>		
1.	Height of the stack from ground level	: 2.4384 m	
2.	Diameter of the stack at sampling point	: 0.1016 m	
3.	Area of Stack	: 0.00810 m2	
C.	<u>Analysis/Characteristic of stack:</u>		
	1. Fuel used : HSD		
D.	<u>Result of sampling &amp; analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>
			<u>Method</u>
1.	Temperature of emission (°C)	134	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	18.06	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	384	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.8	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.285	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.6	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.7	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.325	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.102	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.088K	AS PER CPCB
E.	<u>Pollution control device:</u>		
	Details of pollution control devices attached with the stack : Nil		
	<u>Remarks:</u> Nil		

Analyzed By:

Signature :

Name :

Designation :



: Mr. Bhaskarjyoti Dutta

: Chemist

Prepared By:

Signature :

Name :

Designation :



: Hiramoni Rajbongshi

: Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited

Signature :

Name :

Designation : Branch Manager



: Mr. Ravi Shankar Roy

: Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pagludanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.

Tel. : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008

Email : info@mitrask.com. Website: www.mitrask.com



Approved by

Uttam Prodhan

 Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam

**STACK GAS MONITORING REPORT**

Name & Address of the Customer		Report No.	: MSK/2024-25/02205
“M/s OIL INDIA LIMITED”  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: <b>OCS BHOGPARA</b>
		Sample Number	: MSKGL/ED/2024-25/01/00291
		Instrument ID	: 135-H-19
Ref. No.:W.O. NO.- 8129283 of   Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

**ANALYSIS RESULT**

A.	<u>General information about stack :</u>			
1.	Stack connected to	: DRENCHING PUMP-2		
2.	Emission due to	: HSD		
3.	Material of construction of Stack	: MS		
4.	Shape of Stack	: Circular		
5.	Whether stack is provided with permanent platform & ladder	: Yes		
6.	DG capacity	: <b>310 HP</b>		
B.	<u>Physical characteristics of stack :</u>			
1.	Height of the stack from ground level	: 2.4384 m		
2.	Diameter of the stack at sampling point	: 0.1016 m		
3.	Area of Stack	: 0.00810 m2		
C.	<u>Analysis/Characteristic of stack:</u>			
	1. Fuel used : HSD			
D.	<u>Result of sampling &amp; analysis of gaseous emission</u>	<u>Result</u>	<u>Limit as per CPCB</u>	<u>Method</u>
1.	Temperature of emission (°C)	129	...	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	...	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	18.38	...	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	395	...	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.6	...	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.291	≤ 3.5	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.2	...	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.6	...	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.331	≤ 4.7	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	...	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.100	≤ 0.3	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.084K	≤ 0.7	AS PER CPCB
E.	<u>Pollution control device:</u>			<u>Remarks:</u> Nil
	Details of pollution control devices attached with the stack : Nil			

Analyzed By:



Signature :  
 Name : Mr. Bhaskarjyoti Dutta  
 Designation : Chemist

Prepared By:



Signature :  
 Name : Hiramoni Rajbongshi  
 Designation : Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited

Signature :   
 Name : Mr. Ravi Shankar Roy  
 Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.  
 Tel : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
 Email : info@mitrask.com. Website: www.mitrask.com



Approved by  
 Uttam Prodhan

Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam



## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02206
"M/s OIL INDIA LIMITED"  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00292
		Instrument ID	: 135-H-19
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<b>General information about stack :</b>		:
1.	Stack connected to	:	GENSET-1
2.	Emission due to	:	NG
3.	Material of construction of Stack	:	MS
4.	Shape of Stack	:	Circular
5.	Whether stack is provided with permanent platform & ladder	:	Yes
6.	DG capacity	:	250 KVA
B.	<b>Physical characteristics of stack :</b>		
1.	Height of the stack from ground level	:	2.4384 m
2.	Diameter of the stack at sampling point	:	0.1016 m
3.	Area of Stack	:	0.00810 m2
C.	<b>Analysis/Characteristic of stack:</b>		
	1. Fuel used : NG		
D.	<b>Result of sampling &amp; analysis of gaseous emission</b>	<b>Result</b>	<b>Limit as per CPCB</b>
1.	Temperature of emission (°C)	126	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	17.44	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	378	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	13.4	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.238	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	5.8	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.3	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.312	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.095	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.031K	AS PER CPCB
E.	<b>Pollution control device:</b>		<b>Remarks:</b> Nil
	Details of pollution control devices attached with the stack : Nil		

Analyzed By:



Signature :  
 Name : Mr. Bhaskarjyoti Dutta  
 Designation : Chemist

Prepared By:



Signature :  
 Name : Hiramoni Rajbongshi  
 Designation : Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited



Signature :  
 Name : Mr. Ravi Shankar Roy  
 Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pughadanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016. West Bengal, India.  
 Tel. : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
 Email : info@mitrask.com. Website: www.mitrask.com



Approved by  
 Uttam Prodhan

Suptdg. Research Scientist, R&D Dept.,  
 Oil India Ltd., Duliajan, Assam



## STACK GAS MONITORING REPORT

Name & Address of the Customer		Report No.	: MSK/2024-25/02207
"M/s OIL INDIA LIMITED"  Duliajan, Dibrugarh, Assam-786602		Report Date	: 29.12.2024
		Nature of Sample	: Stack Emission
		Sample Mark	: OCS BHOGPARA
		Sample Number	: MSKGL/ED/2024-25/01/00293
		Instrument ID	: 135-H-19
Ref. No.: W.O. NO.- 8129283 of Contract No. 6119277			
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
17.12.2024	20.12.2024	20.12.2024	27.12.2024

### ANALYSIS RESULT

A.	<b>General information about stack :</b>		:
1.	Stack connected to	: GENSET-2	
2.	Emission due to	: NG	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: 250 KVA	
B.	<b>Physical characteristics of stack :</b>		
1.	Height of the stack from ground level	: 2.4384 m	
2.	Diameter of the stack at sampling point	: 0.1016 m	
3.	Area of Stack	: 0.00810 m2	
C.	<b>Analysis/Characteristic of stack:</b>		
	1. Fuel used : NG		
D.	<b>Result of sampling &amp; analysis of gaseous emission</b>	<b>Result</b>	<b>Limit as per CPCB</b>
			<b>Method</b>
1.	Temperature of emission (°C)	129	USEPA Part 2, 25.09.1996
2.	Barometric Pressure (mm of Hg)	762.0	USEPA Part 2, 25.09.1996
3.	Velocity of gas (m/sec.)	17.98	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	387	USEPA Part 2, 25.09.1996
5.	Concentration of Oxygen (%v/v)	14.2	IS:13270 :1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.234	IS:13270 :1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.0	IS:13270 :1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	23.4	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.308	USEPA Part-7, 12/03/1996& USEPA 18 -25.09.1996
10.	Concentration of Lead (mg/Nm3)	<0.005	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (g/kW-hr)	0.093	USEPA Part-17, 16/08/1996
12.	Smoke Limit (Light Absorption Coefficient, m-1)	0.021K	AS PER CPCB
E.	<b>Pollution control device:</b>		
	Details of pollution control devices attached with the stack : Nil		
	<b>Remarks:</b> Nil		

Analyzed By:



Signature :  
Name : Mr. Bhaskarjyoti Dutta  
Designation : Chemist

Prepared By:



Signature :  
Name : Hiramoni Rajbongshi  
Designation : Office Assistant

Authorized Signatory

For Mitra S.K. Private Limited

Signature :  
Name : Mr. Ravi Shankar Roy  
Designation : Branch Manager

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- Our Lab is accredited by ISO/IEC 17025:2017 Lab Address: P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016, West Bengal, India.  
Tel. : 91 33 40143000 / 22650006 / 22650007 Fax : 91 33 22650008  
Email : info@mitrask.com. Website: www.mitrask.com



Approved by  
Uttam Prodhan  
Suptdg. Research Scientist, R&D Dept.,  
Oil India Ltd., Duliajan, Assam

Ref. No.: Chem/A&E/MTW/481/25

Date: 22.03.2025

CGM - Central Fields

Attn. : A J Bhuyan, Senior Engineer (P-C)

**Sub: MONITORING TUBE WELL WATER SAMPLE ANALYSIS REPORT**

Letter/memo ref. no.: CF/MW/BGP/20/03 dated: 20.03.2025

Characteristics	Unit	Acceptable limit as per Bureau of Indian Standards for drinking water  (IS-10500:2012) Reaffirmed 2023	Test Results (Bhogpara OCS)					Test method/ Instrument used
			(Near WDW#118 & #119)	(Near WDW#146)	(Near WDW#147)	Near WDW (WDW#148)	(Near WDW #151 & 15)	
pH	-	6.5 to 8.5	7.3	7.0	6.8	6.8	7.0	BIS 3025-11-2022 / Metrohm pH meter
Chloride (as Cl <sup>-</sup> )	mg/l	250.0 (max.)	73	8	13	78	11	BIS 3025-32-2019 / Titration with silver nitrate
Alkalinity (as CaCO <sub>3</sub> )	mg/l	200(max.)	125	70	60	50	60	BIS 3025-23-2023 / Titration with HCl
Total dissolved solids	mg/l	500 (max.)	228	71	73	243	64	BIS 3025-16-2023 / Gravimetric method
Oil and grease	mg/l	0.5(max.)	BDL	BDL	BDL	BDL	BDL	ASTM D-8193 / Erachek X (Method range: 0.5- 1000 mg/l)

**Sample details. :**

1. Type of sample : Monitoring Tube Well Water
2. Sample Collection Date : 20.03.2025
3. Sample Collected from (Source/ Location) : Tubewell water collected from nearby WDW# 118&119, 146, 147, 148, 151 & 15 of Bhogpara OCS.
4. Sample received on (date & time) : 20.03.2025 , 05:00 PM
5. Test completion date : 22.03.2025

**BDL : Below Detectable Limit.**

*Note : The test results of this report apply to the sample as received.*



PJK  
Tested by: PJK/SG

Analytical & Environmental Lab.  
Chemical Department, Oil India  
Chem/A&E/MTW/File/02A

Surajit Bora  
Chief Chemist (Lab)  
(Reviewed by)

Euracia L Wahlang  
DGM - Chemical (Lab, P&A)  
(Approved by)



Date: 13.02.2025

Ref. No.: Chem/A&E/MTW/240/25

CGM - Central Fields

Attn. : A J Bhuyan, Senior Engineer (P-C)

**Sub: MONITORING TUBE WELL WATER SAMPLE ANALYSIS REPORT**

Letter/memo ref. no.: CF/MW/BGP/11/02 dated: 11.02.2025

Characteristics	Unit	Acceptable limit as per Bureau of Indian Standards for drinking water (IS-10500:2012) Reaffirmed 2023	Test Results (Bhogpara OCS)					Test method/ Instrument used
			(Near WDW#118 & #119)	(Near WDW#146)	(Near WDW#147)	Near WDW (WDW#148)	(Near WDW #151 & 15)	
pH	-	6.5 to 8.5	6.5	6.5	6.5	6.9	6.8	BIS 3025-11-2022 / Metrohm pH meter
Chloride (as Cl <sup>-</sup> )	mg/l	250.0 (max.)	12	7	14	56	79	BIS 3025-32-2019 / Titration with silver nitrate
Alkalinity (as CaCO <sub>3</sub> )	mg/l	200(max.)	30	30	60	140	160	BIS 3025-23-2023/ Titration with HCl
Total dissolved solids	mg/l	500 (max.)	38	72	71	195	248	BIS 3025-16-2023 / Gravimetric method
Oil and grease	mg/l	0.5(max.)	BDL	BDL	BDL	BDL	BDL	ASTM-D 8193 / Erachek X Instrument range (0.5 to 1000 mg/l)

**Sample details. :**

1. Type of sample : Monitoring Tube Well Water
2. Sample Collection Date : 11.02.2025
3. Sample Collected from (Source/ Location) : Tubewell water collected from nearby WDW# 118&119, 146, 147, 148, 151 & 15 of Bhogpara OCS.
4. Sample received on (date & time) : 11.02.2025 , 06:00 PM
5. Test completion date : 13.02.2025

**BDL : Below Detectable Limit.**

Note : The test results of this report apply to the sample as received.



Tested by: SB/PJK

Analytical & Environmental Lab.

Chemical Department, Oil India

Chem/A&E/MTW/File/02A

Surajit Bora  
Chief Chemist (Lab)  
(Reviewed by)

Euracia L Wahlang  
DGM - Chemical (Lab, P&A)  
(Approved by)

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E2029718

Certified that Shri KONWAR TITUL KUMAR ( E202971 ) is employed as TECHNICIAN-2(CA) in CENTRAL ASSET mine,

Form D, no. has been examined for a periodical medical examination. He appears to be 33 years of age.

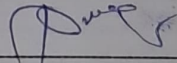
The findings of the examining authority are given in the attached sheet.

It is considered that Shri KONWAR TITUL KUMAR

- ✓\*(a) is medically fit for employment in mines
- \*(b) is suffering from .... and is medically unfit for
- (i) any employment in mine - or
- (ii) any employment below ground . or
- (iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 04.11.2022

  
Signature of Examining Authority  
DR PUNYESWAR KEOT, CHIEF  
Name and Designation in Block Letter

डॉ. पुण्यस्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबन्धक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
भारत इंडिया लिमिटेड, अस्पताल, दुलियाजान  
India Limited, Hospital, Dullajan

- \* Delete whatever not applicable
- \* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority



## Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E2029718 as a result of medical examination on 04.11.2022 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	170
3	Weight(Kg.)	75
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/6
	(With Glass) Left Eye	6/6
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	NORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	103
	(ii) After full expiration(cm)	99
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	110 / 80
	(ii) Pulse(/Min)	62
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	

**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E2029718

Name : KONWAR TITUL KUMAR

Identification:

1. Cardiological Assessment:	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

2. Neurological Assessment:	
Findings	NORMAL
Superficial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

3. ILO Classification of Chest Radiograph :		
Profusion of Pnemoconiotic Opacities	Grades	Types

4. Audiometry Findings :		
Conduction Type	Left Ear	Right Ear
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

5. Pathological / Microbiological Investigation		
Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

6. Special Tests for Mn exposure :	
Behavior Disturbances	NOT APPLICABLE
Neurological Disturbances Speech Defect	
Neurological Disturbances Tremor	
Neurological Disturbances Adiadocokinesia	
Neurological Disturbances Emotional Changes	

7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :			
Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E1031424

Certified that Shri PATHRAI ASHOK ( E103142 ) is employed as TECHNICIAN-1(CA) in CENTRAL ASSET mine,

Form D, no. has been examined for a periodical medical examination. He appears to be 58 years of age.

The findings of the examining authority are given in the attached sheet.

It is considered that Shri PATHRAI ASHOK

\* (a) is medically fit for employment in mines

\* (b) is suffering from .... and is medically unfit for

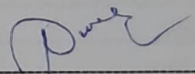
(i) any employment in mine - or

(ii) any employment below ground . or

(iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 18.08.2023

  
Signature of Examining Authority  
DR PUNYESWAR KEOT, CHIEF  
Name and Designation in Block Letter

डॉ. पुण्येश्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवा)  
DGM (Occupational Health Service)  
ऑयल इंडिया लिमिटेड, अस्पताल, दुलियाज  
Oil India Limited, Hospital, Duliajan

- Delete whatever not applicable
- One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority



# Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E1031424 as a result of medical examination on 18.08.2023 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	161
3	Weight(Kg.)	65
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/6
	(With Glass) Left Eye	6/6
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	NORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	105
	(ii) After full expiration(cm)	100
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	130 / 86
	(ii) Pulse(/Min)	76
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	

**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E1031424

Name : PATHRAI ASHOK

Identification:

<b>1. Cardiological Assessment:</b>	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

<b>2. Neurological Assessment:</b>	
Findings	NORMAL
Superfacial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

<b>3. ILO Classification of Chest Radiograph :</b>			NOT APPLICABLE
Profusion of Pnenumoconiotic Opacities	Grades	Types	

<b>4. Audiometry Findings :</b>			
	Left Ear	Right Ear	
Conduction Type		NORMAL	
Ear Conduction	NORMAL	NORMAL	
Bone Conduction	NORMAL	NORMAL	

<b>5. Pathological / Microbiological Investigation</b>		
Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

<b>6. Special Tests for Mn exposure :</b>		NOT APPLICABLE
Behavior Disturbances		
Neurological Disturbances Speech Defect		
Neurological Disturbances Tremor		
Neurological Disturbances Adiadocokinesia		
Neurological Disturbances Emotional Changes		

<b>7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :</b>			
Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E10316346

Certified that Shri SUBHA SUKHJEEBAN ( E103163 ) is employed as JR. TECHNICIAN-2(CA) in CENTRAL ASSET mine,

Form D, no, has been examined for a periodical medical examination. He appears to be 57 years of age.

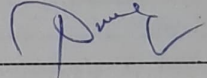
The findings of the examining authority are given in the attached sheet.

It is considered that Shri SUBHA SUKHJEEBAN

- ✓\*(a) is medically fit for employment in mines
- \*(b) is suffering from .... and is medically unfit for
- (i) any employment in mine - or
- (ii) any employment below ground . or
- (iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 18.07.2023

  
Signature of Examining Authority  
DR PUNYESWAR KEOT  
Name and Designation in Block Letter

डॉ. पुण्यस्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
भॉयल इंडिया लिमिटेड, अस्पताल, दुलियाजान  
Oil India Limited, Hospital, Duliajan

- \* Delete whatever not applicable
- \* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority



# Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E10316346 as a result of medical examination on 18.07.2023 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	171
3	Weight(Kg.)	64
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/6
	(With Glass) Left Eye	6/6
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	NORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	103
	(ii) After full expiration(cm)	97
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	126 / 84
	(ii) Pulse(/Min)	76
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	NO
	(i) Reaction	ABSENT
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	

Signature of Examining Authority  
Page No 2/3.

Place : DULIAJAN HOSPITAL

**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E10316346

Name : SUBHA SUKHJEEBAN

Identification:

1. Cardiological Assessment:	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

2. Neurological Assessment:	
Findings	NORMAL
Superfacial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

3. ILO Classification of Chest Radiograph : NOT APPLICABLE		
Profusion of Pnemoconiotic Opacities	Grades	Types

4. Audiometry Findings :		
Conduction Type	Left Ear	Right Ear
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

5. Pathological / Microbiological Investigation		
Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

6. Special Tests for Mn exposure : NOT APPLICABLE	
Behavior Disturbances	
Neurological-Disturbances Speech Defect	
Neurological Disturbances Tremor	
Neurological Disturbances Adiadocokinesia	
Neurological Disturbances Emotional Changes	

7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :			
Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E20259017

Certified that Shri BHUYAN PRONOB JYOTI ( E202590 ) is employed as JR. TECHNICIAN-1(CA) in CENTRAL ASSET mine,

Form D, no. has been examined for a periodical medical examination. He appears to be 37 years of age.

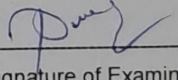
The findings of the examining authority are given in the attached sheet.

It is considered that Shri BHUYAN PRONOB JYOTI

- ✓\*(a) is medically fit for employment in mines
- \*(b) is suffering from .... and is medically unfit for
- (i) any employment in mine - or
- (ii) any employment below ground . or
- (iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 21.06.2023

  
Signature of Examining Authority  
DR PUNYESWAR KEOT, CHIEF  
Name and Designation in Block Letter

डॉ. पुण्येश्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
ऑयल इंडिया लिमिटेड, अस्पताल, दुलियाजान  
Oil India Limited, Hospital, Duliajan

- \* Delete whatever not applicable
- \* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority



# Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E20259017 as a result of medical examination on 21.06.2023 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	169
3	Weight(Kg.)	72
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/6
	(With Glass) Left Eye	6/9
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	ABNORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	106
	(ii) After full expiration(cm)	100
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	110 / 80
	(ii) Pulse(/Min)	76
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	



**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E20259017

Name : BHUYAN PRONOB JYOTI

Identification:

1. Cardiological Assessment:	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

2. Neurological Assessment:	
Findings	NORMAL
Superfacial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

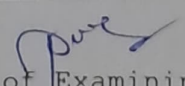
3. ILO Classification of Chest Radiograph :		NOT APPLICABLE
Profusion of Pnemoconiotic Opacities	Grades	Types

4. Audiometry Findings :		
Conduction Type	Left Ear	Right Ear
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

5. Pathological / Microbiological Investigation		
Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

6. Special Tests for Mn exposure :		NOT APPLICABLE
Behavior Disturbances		
Neurological Disturbances Speech Defect		
Neurological Disturbances Tremor		
Neurological Disturbances Adiadocokinesia		
Neurological Disturbances Emotional Changes		

7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :			
Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of  Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E103552122

Certified that Shri DUTTA NIJEN ( E103552 ) is employed as JR. TECHNICIAN-2(CA) in CENTRAL ASSET mine,

Form D, no. has been examined for a periodical medical examination. He appears to be 58 years of age.

The findings of the examining authority are given in the attached sheet.

It is considered that Shri DUTTA NIJEN

✓\*(a) is medically fit for employment in mines

\*(b) is suffering from .... and is medically unfit for

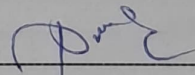
(i) any employment in mine - or

(ii) any employment below ground . or

(iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 19.08.2023

  
Signature of Examining Authority  
DR PUNYESWAR KEOT, CHIEF  
Name and Designation in Block Letter  
डॉ. पुण्येश्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
ऑयल इंडिया लिमिटेड, अस्पताल, दुलियाजान  
Oil India Limited, Hospital, Duliajan

\* Delete whatever not applicable

\* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority

## Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E103552122 as a result of medical examination on 19.08.2023 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	160
3	Weight(Kg.)	75
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/18
	(With Glass) Left Eye	6/9
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	NORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	107
	(ii) After full expiration(cm)	103
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	160 / 86
	(ii) Pulse(/Min)	86
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	

Place : DULIAJAN HOSPITAL

Signature of Examining Authority

Page No 2/3.



**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

**Certificate : E103552122**

**Name : DUTTA NIJEN**

**Identification:**

<b>1. Cardiological Assessment:</b>	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

<b>2. Neurological Assessment:</b>	
Findings	NORMAL
Superficial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

<b>3. ILO Classification of Chest Radiograph :</b>			NOT APPLICABLE
Profusion of Pnemoconiotic Opacities	Grades	Types	

<b>4. Audiometry Findings :</b>		
Conduction Type	Left Ear	Right Ear
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

<b>5. Pathological / Microbiological Investigation</b>		
Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

<b>6. Special Tests for Mn exposure :</b>		NOT APPLICABLE
Behavior Disturbances		
Neurological Disturbances Speech Defect		
Neurological Disturbances Tremor		
Neurological Disturbances Adiadocokinesia		
Neurological Disturbances Emotional Changes		

<b>7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :</b>			
Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E103419121

Certified that Shri DUTTA DEBA KUMAR ( E103419 ) is employed as TECHNICIAN-1(CA) in CENTRAL ASSET mine,  
Form D, no. has been examined for a periodical medical examination. He appears to be 57 years of age.

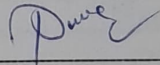
The findings of the examining authority are given in the attached sheet.

It is considered that Shri DUTTA DEBA KUMAR

- ✓\*(a) is medically fit for employment in mines
- \*(b) is suffering from .... and is medically unfit for
- (i) any employment in mine - or
- (ii) any employment below ground . or
- (iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 19.08.2023

  
\_\_\_\_\_  
Signature of Examining Authority  
DR PUNYESWAR KEOT  
Name and Designation in Block Letter  
डॉ. पुण्येश्वर के.उ.के.  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
ऑयल इंडिया लिमिटेड, अस्पताल, दुलियाजान  
Oil India Limited, Hospital, Duliajan

- \* Delete whatever not applicable
- \* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority

## Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E103419121 as a result of medical examination on 19.08.2023 .

Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	169
3	Weight(Kg.)	62
4	Eyes	
	(i) Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/9
	(With Glass) Left Eye	6/6
	(ii) Any organic disease of eyes	ABSENT
	(iii) Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i) Hearing Right Ear:	NORMAL
	(ii) Hearing Left Ear :	NORMAL
	(iii) Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	97
	(ii) After full expiration(cm)	93
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	100 / 60
	(ii) Pulse(/Min)	70
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	



**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E103419121

Name : DUTTA DEBA KUMAR

Identification:

<b>1. Cardiological Assessment:</b>	
Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

<b>2. Neurological Assessment:</b>	
Findings	NORMAL
Superfacial Reflexes	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

**3. ILO Classification of Chest Radiograph :**

NOT APPLICABLE

Profusion of Phnemoconiotic Opacities	Grades	Types

**4. Audiometry Findings :**

Conduction Type	Left Ear	Right Ear
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

**5. Pathological / Microbiological Investigation**

Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	ABNORMAL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

**6. Special Tests for Mn exposure :**

NOT APPLICABLE

Behavior Disturbances	
Neurological Disturbances Speech Defect	
Neurological Disturbances Tremor	
Neurological Disturbances Adiadocokinesia	
Neurological Disturbances Emotional Changes	

**7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :**

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority

Form-O  
[See Rules 29 - F (2) and 29 -L]  
**Report of Medical Examination under Rule 29 - B**  
(To be issued in Triplicate)\*\*

Certificate No: E10317084

Certified that Shri MATTOO ASHOK ( E103170 ) is employed as TRADESMAN-I in CENTRAL ASSET mine,

Form D, no. has been examined for a periodical medical examination. He appears to be 59 years of age.

The findings of the examining authority are given in the attached sheet.

It is considered that Shri MATTOO ASHOK

✓\*(a) is medically fit for employment in mines

\*(b) is suffering from .... and is medically unfit for

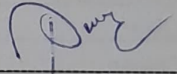
(i) any employment in mine - or

(ii) any employment below ground . or

(iii) any employment of work ....

Place: DULIAJAN HOSPITAL

Date : 18.07.2023

  
\_\_\_\_\_  
Signature of Examining Authority  
DR PUNYESWAR KEOT  
Name and Designation in Block Letter

डॉ. पुण्येस्वर केउट  
DR. PUNYESWAR KEOT  
उप महाप्रबंधक (व्यावसायिक स्वास्थ्य सेवाएं)  
DGM (Occupational Health Service)  
ऑयल इंडिया लिमिटेड, अस्पताल, दुलियाजान  
Oil India Limited, Hospital, Duliajan

- \* Delete whatever not applicable
- \* One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by examining authority



# Report of the Examining Authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure/ control of disability)

Annexure to certificate number E10317084 as a result of medical examination on 18.07.2023 .

## Left Thumb impression of Candidate

SL		
	Identification Mark	
1	General Development	NORMAL
2	Height(cm)	170
3	Weight(Kg.)	85
4	Eyes	
	(i)Visual Acuity - Distance Vision	
	(With Glass) Right Eye	6/6
	(With Glass) Left Eye	6/6
	(ii)Any organic disease of eyes	ABSENT
	(iii)Night Blindness	ABSENT
	(iv) Squint	ABSENT
5	Ears	
	(i)Hearing Right Ear:	NORMAL
	(ii)Hearing Left Ear :	NORMAL
	(iii)Any organic disease of ears	NO
6	Respiratory System	
	Chest Measurement	
	(i) After full inspiration(cm)	108
	(ii) After full expiration(cm)	105
7	Circulatory System	
	(i) Blood Pressure(mm of Hg)	130 / 80
	(ii) Pulse(/Min)	70
8	Abdomen	ABSENT
	Tenderness	ABSENT
	Liver	NONPALPABLE
	Spleen	NONPALPABLE
	Tumor	NONPALPABLE
9	Nervous System	
	History of fits or epilepsy	ABSENT
	Paralysis	ABSENT
	Mental Health	NORMAL
10	Locomotor system	NORMAL
11	Skin	MOIST
12	Hernia	ABSENT
13	Hydrocele	ABSENT
14	Any other abnormality	NO
15	Urine	
	(i) Reaction	NO
	(ii) Albumin	ABSENT
16	(iii) Sugar	ABSENT
17	Skiagram of Chest	ABSENT
18	Any other #C" test considered necessary by the	
19	Any opinion of specialist considered necessary	

Place : DULIAJAN HOSPITAL

Signature of Examining Authority

Page No 2/3.

**Report of Medical Examination as per the recommendation of  
National Safety Conferences in Mines  
(To be used in Continuation with Form "O")**

Certificate : E10317084

Name : MATTOO ASHOK

Identification:

**1. Cardiological Assessment:**

Auscultaion S1	NORMAL
Auscultaion S2	NORMAL
Auscultaion Additional Sound	NORMAL
Electrocardiograph (12 Leads) Finding	NORMAL

**2. Neurological Assessment:**

Findings	NORMAL
Superfacial Reflexs	NORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibration Syndromes	NORMAL

**3. ILO Classification of Chest Radiograph :**

NOT APPLICABLE

Profusion of Pnenumoconiotic Opacities	Grades	Types

**4. Audiometry Findings :**

	Left Ear	Right Ear
Conduction Type		
Ear Conduction	NORMAL	NORMAL
Bone Conduction	NORMAL	NORMAL

**5. Pathological / Microbiological Investigation**

Sr.No.	Tests	Findings
1.	Blood - Tc, Dc, Hb, ESR, Platelets	WNL
2.	Bold Sugar - Fasting & PP	WNL
3.	Lipid Profile	WNL
4.	Blood Urea , Creatinine	WNL
5.	Urine Routine	WNL
6.	Stool Routine	WNL

**6. Special Tests for Mn exposure :**

NOT APPLICABLE

Behavior Disturbances	
Neurological Disturbances Speech Defect	
Neurological Disturbances Tremor	
Neurological Disturbances Adiadocokinesia	
Neurological Disturbances Emotional Changes	

**7. Any other Special Test Required ( Result of Lung Function Test 'Spirometry' ) :**

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	0.00	0.00	0.00
Forced Vital Capacity 1 (FEV1)	0.00	0.00	0.00
FEV1/FVC	0.00	0.00	0.00
Pick Expiratory Flow	0.00	0.00	0.00

Signature of Examining Authority