

HSE Department

Oil India Limited Duliajan, Dibrugarh, 786602, Assam

Phone: 0374-2800542 Email: safety@oilindia.in

दिनांक/Date: 28.05.2024

संदर्भ सं./Ref. No.: S&E/E/43C-1/588

From	:	Executive Director (HSE & ESG)	
То	:	Deputy Director General of Forests (Central), Sub Office, Guwahati (under Regional Office, Shillong), 4th Floor, Housefed Building, Rukminigaon, Guwahati-781022. (Email: iro.guwahati-mefcc@gov.in, iro.moefcc.ghy@gmail.com)	
Subject	**	Submission of Half-yearly (October 2023 to March 2024) 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 2023 to March 2024) 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, Higrijan 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



HSE Department

Oil India Limited

Duliajan, Dibrugarh, 786602, Assam

Phone: 0374-2800542 Email: safety@oilindia.in

	K %=	Installations) in North Hapjan – Tinsukia –
9.	F. No. J-11011/35/2018-IA II (I)	Dhola area under Tinsukia district, Assam. Onshore Oil & Gas development drilling and
1.0	dated 26.02.2021	production by M/S Oil India Ltd. Located in
	*	Khagorijan Oil & Gas Field in Dibrugarh &
	2	Tinsukia District under Tinsukia PML,
		Tinsukia Extension PML and Chabua PML
10	T 21 11011/106/0016 14 II (T)	District: Dibrugarh, Assam
10.	F. No. J-11011/186/2016-IA II (I)	Onshore Oil & Gas development drilling and
	dated 03.03.2021	production in Borhat-Titlagarh area, Dibrugarh, Sibsagar and Charaideo Districts
		under Sapkaintb, Borhat, Moran Extension
		and Doomdooma PMLs.
11.	EC22A002AS110311	Oil & Gas development drilling and
- 4.50	F. No. J-11011/156/2017-IA II (I)	production (16 exploratory, 73 developmental
	dated 28.11.2022	drilling wells and 9 Production Installations)
		in Moran Area under Dibrugarh, Sibsagar and
_ 11	N.	Charaideo districts, Assam.
12.	EC23A002AS125690	Oil & Gas development drilling and
	F. No. J-11011/1254/2007-IA II (I)	production (68 developmental drilling wells
	dated 13.01.2023	and 9 Production Installations) in Khowang Shalmari Area under Dibrugarh, Sibsagar
		districts, Assam.
13.	EC23A002AS188131	Onshore Oil & Gas development drilling and
	F.No J-11011/1257/2007- IA II (I)	production (167 wells and 7 production
	dated 17.04.2023	Installations) in Tengakhat-Kathaloni-Dikom
		(TKD) under Dibrugarh district, Assam.
14.	EC23A002AS198872	Onshore Oil & Gas development drilling (67
	F. No. J-11011/388/2016-IA II (I)	wells) in Jorajan Area under Dibrugarh,
15	dated 31.07.2023	Charaideo and Tinsukia districts, Assam.
15.	EC23A002AS146942 F.No. J-11011/546/2017-IA(I)	Onshore Oil & Gas development drilling and production (294 wells and 2 Production
	dated 20.09.2023	Installations) in Naharkatiya-Deohal-
	uaica 20.09.2023	Bogapani-Nagajan (NDBN) area under
		Dibrugarh & Tinsukia districts, Assam.

This is for your kind information please.

Thanking you.

(Rajendra Singh Garbya)

Executive Director (HSE & ESG)

Nodal Officer (EC, FC, NBWL)

For Resident Chief Executive



HSE Department

Oil India Limited Duliajan, Dibrugarh, 786602, Assam

Phone: 0374-2800542

Email: safety@oilindia.in

Encl: As above

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

<u>Installation</u>: Central Gas Gathering Station and Offtake Point (CGGS & OTP), Madhuban <u>Feeder Pipelines</u>: 03 Nos (between CGGS & LPG OTP)

Period: 01/10/2023-31/03/2024

EC No: F. No J-11011/682/2008-I A II(I) Dated 17.06.2013

	A. Specis	fic Condition	
Sl No.	EC Condition	Name of Installation	Compliance status/ Remark
i	Prior clearance under the Wildlife (Protection) Act, 1972, should be obtained from the Standing Committee of the National Board for Wildlife as the project is located within 10 Km distance of Eco sensitive areas (Dehing Patkai WLS, Bherjan-Borajan-Podumoni WLS and	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	NBWL clearance received vide letter No. WL/FG- 35/Standing Committee NBWL dated 09.12.2014 & copy enclosed.
	Dibru-Saikhowa National Park).	Feeder Pipelines – 03 Nos.	NBWL clearance received vide letter No. WL/FG- 35/Standing Committee NBWL dated 09.12.2014 & copy enclosed.
ii	No facility shall be developed in forest land.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied as it is not constructed in any forest land.
		Feeder Pipelines - 03 Nos.	Complied
iii	Adequate buffer zone around the oil and gas facilities, as may be required as per OISD or other statutory requirements.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
		Feeder Pipelines – 03 Nos.	Not Applicable
iv	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The company shall take necessary measures to	Central Gas Gathering Station and Offtake	Complied. The flare system is Enclosed Ground Flare type.



	prevent fire hereads and as 'I am I' a'	D-1-+ (00000 0	T
	prevent fire hazards and soil remediation as needed. At the place of ground flaring,	Point (CGGS &	
	the flare pit shall be lined with refractory	OTP)- Madhuban	
	bricks and efficient burning system. In	iviadnuban	
	case of overhead flare stacks, the stack	Feeder Pipelines	Not
	height shall be provided as per the	- 03 Nos.	Applica
	regulatory requirements and emissions	05 1105.	ble
	from stacks shall meet the MOEF/CPCB		bie
V	guidelines.	0 . 10	
V	Regular ambient air quality monitoring of	Central Gas	Complied.
	PM ₁₀ , SO ₂ , NO _x , VOC _s and HC (Methane	Gathering	Latest Report of Ambient Air
	and Non-methane) shall be monitored and	Station and	Quality along with VOC and
	displayed at a convenient location near the	Offtake	HC Monitoring is enclosed.
	main gate of the company and at important	Point (CGGS &	Ambient Air Quality
	public places. The location and results of	OTP)-	Monitoring System (with
	existing monitoring stations should be	Madhuban	Outdoor Display Board) for
	reviewed in consultation with the		the CGGS, Madhuban
	concerned State Pollution Control Board		installed and commissioned
	based on the occurrence of maximum 3		on 05.09.2023 .
	ground level concentration and downwind	Feeder Pipelines	Not Applicable
	direction of wind. If required, additional	– 03 Nos.	
	stations should be set up. It will be ensured		
	that at least one monitoring station is set		
	up in up-wind & in down-wind direction		
	along with those in other directions.		
vi	Regular monitoring of VOC and HC in the	Central Gas	Complied.
	work zone area in the plant premises shall	Gathering	Latest Report of Ambient Air
	be carried and data be submitted to	Station and	Quality along with VOC and
	Ministry's Regional Office at Shillong,	Offtake	HC Monitoring is enclosed.
	CPCB and Assam Pollution Control	Point (CGGS &	Online Fire & Gas Detection
	Board.	OTP)-	System is also installed in this
		Madhuban	station.
		Feeder Pipelines	Not Applicable
		– 03 Nos.	
vii	Vapor recovery system shall be installed	Central Gas	Not Applicable.
	to prevent leakage of vapor from tank/		Considering small capacity
	vessels / processing and filling areas to	Station and	tanks (2 nos. of 500 m ³ and 1
	ensure no hydrocarbon vapors are released	Offtake	no. of 250 m ³) and used as
	unchecked.	Point (CGGS &	intermediate storage of NGL
		OTP)-	with half of the designed
		Madhuban	capacity, chances of leakage
			of vapour was not seen and
			Recovery System was not
			planned.
			pianneu.



		Feeder Pipelines – 03 Nos.	Not Applicable.
viii	Total fresh water requirement from ground water source shall not exceed 18 m ³ /day per GCS, 17 m ³ /day per FGS and around 15 m ³ /day per CGGS & OTP and prior permission shall be obtained from the CGWA/SGWA.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban Feeder Pipelines	Complied. Water consumption is within the prescribed limit. Not Applicable.
ix	The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system should be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard	- 03 Nos. Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban Feeder Pipelines - 03 Nos.	Not Applicable.
X	pond. Water quality monitoring of guard pond shall be conducted Produced water/wastewater separated during processing in GCSs/FGSs/CGGS shall be treated in efficient Effluent Treatment Plants and then routed to the nearby oil collecting station for injection into underground structures at depth between 1000m to 1500 m. Water quality of treated effluent shall conform to CPCB standards. No effluent shall be discharged outside the premises of facilities	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	The installation has an Effluent Treatment Plant to maintain treated water quality as per CPCB norms. No effluent is discharged outside the premises of the installation. However, due to non-availability of water in the feed gas, only trial run of ETP is done on regular basis to meet the future need, if arises.
		Feeder Pipelines - 03 Nos.	Not Applicable
χί	Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. should be followed. Company shall ensure no oil spillage occur during loading / unloading of petroleum products.	Central Gas Gathering Station and Offtake	Complied



		Feeder Pipelines – 03 Nos.	Complied
xii	The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
	should be properly treated and disposed off in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Feeder Pipelines – 03 Nos.	complied
xiii	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Not applicable as there is no designated storage facility. However, as the installation comes under Mine, therefore DGMS approval is obtained and is enclosed herewith. Approved onsite & offsite DMP for CGGS Madhuban are available.
		Feeder Pipelines – 03 Nos.	Complied
xiv	The company shall obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
		Feeder Pipelines – 03 Nos.	Complied
XV	All storage tanks should be provided with design features based on applicable OISD standards.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
		Feeder Pipelines - 03 Nos.	Not Applicable
xvi	No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.	Central Gas Gathering Station and Offtake	Will be complied



		Point (CGGS & OTP)- Madhuban Feeder Pipelines – 03 Nos.	Will be complied
xvii	Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Not Applicable Only 3 nos. small condensate storage tanks (2 nos. of capacity 500 m³ and 1 no. of capacity 250 m³) are installed and those are used as intermediate storage tank in the installation. Measurement of level, flow and pressure in these tanks is automatic and all data is available through DCS. Also, automatic Fire Fighting System and Safety Shut down System are installed for protection of these tanks. Not Applicable
xviii	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	- 03 Nos. Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
		Feeder Pipelines – 03 Nos.	Complied
xix	Bottom oil sludge should be handled, stored and disposed as per CPCB/ MoEF guidelines. An action plan in this regard including bioremediation should be submitted to the Ministry and its Regional Office at Shillong within 3 months of issue of the letter.	Central Gas Gathering Station and Offtake Point (CGGS &	Complied Secured, covered, impermeable sludge storage facility is already available and has already been intimated to MoEF.
		Feeder Pipelines – 03 Nos.	Not Applicable
XX	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	Central Gas Gathering Station and Offtake	Complied



		Point (CGGS & OTP)- Madhuban Feeder Pipelines – 03 Nos.	Complied
xxi	Green belt should be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around POL depot should be ensured.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban Feeder Pipelines	Being complied. Green belt is being developed. Not Applicable
xxii	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 23rd August, 2011, 25th August, 2011 and 26th August, 2011 for the project shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	- 03 Nos. Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban Feeder Pipelines - 03 Nos.	Complied
xxiii	At least 5 % of the total cost of the project shall be earmarked towards corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound	Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	The CSR Policy of the company is already in place and the same is being implemented in time bound phased manner as per government directive.
	manner.	Feeder Pipelines – 03 Nos.	The CSR Policy of the company is already in place and the same is being implemented in time bound phased manner as per government directive.
xxiv	Company shall prepare operating manual in respect of all activities. It should cover all safety & environment related issues and system measures to be taken for protection. One set of environmental manuals shall be made available at the drilling site/ project site. Awareness	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied



	should be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Feeder Pipelines – 03 Nos.	Complied
XXV	Project proponent shall comply with the environment protection measures and safeguards recommended in the EIA/EMP/risk analysis report/disaster management plan.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)- Madhuban	Complied
		Feeder Pipelines – 03 Nos.	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, Safe drinking water, medical health care. crèche etc. The housing may be in the form of temporary structures to be	Gathering Station and Offtake Point (CGGS & OTP)-	Complied. Presently Not Applicable.
	removed after the completion of the project.		Complied. Presently Not Applicable.

	B. General Condition			
SI No.	EC Condition	Name of Installation	Compliance status/ Remark	
i	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied	
		Feeder Pipelines – 03 Nos.	Complied	
ii	No further expansion or modification 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	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Will be complied	
	proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess	Feeder Pipelines – 03 Nos.	Will be complied	



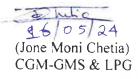
	the adequacy of conditions imposed and to add additional environmental protection measures required, if any.		
iii	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied.
	from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Feeder Pipelines – 03 Nos.	Complied.
iv	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	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied
	of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Feeder Pipelines – 03 Nos.	Not Applicable
V	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied. It is being maintained centrally for OIL:
		Feeder Pipelines – 03 Nos.	
vi	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied
	with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Feeder Pipelines – 03 Nos.	Complied
vii	The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A sixmonthly compliance report and the	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied. Monitored data enclosed.



	monitored data along with statistical interpretation shall be submitted to them regularly.	Feeder Pipelines – 03 Nos.	Complied
viii	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied
	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.	Feeder Pipelines – 03 Nos:	Complied
ix	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 PCB, Assam. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , CO, HC (Methane & Non-methane), VOC _s (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied. Compliance status including monitored data is regularly sent to concerned government authorities. Monitored data is also enclosed herewith. Ambient Air Quality Monitoring System (with Outdoor Display Board) for the CGGS, Madhuban installed and commissioned on 05.09.2023.
	shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Feeder Pipelines – 03 Nos.	Complied.
X	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard	Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied. Monitored data enclosed.
	copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the PCB, Assam. The Regional Office of this Ministry / CPCB / MPPCB shall monitor the stipulated conditions.	Feeder Pipelines – 03 Nos.	Complied.
xi	The environmental 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	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied.



	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.	Feeder Pipelines – 03 Nos.	Complied.
xii	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 PCB, Assam and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban Feeder Pipelines – 03 Nos.	Complied. Copy of newspaper advertisement forwarded with our Compliance Status Report submitted in April, 2014. Complied.
xiii	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. Same shall be forwarded to the Regional office.	Central Gas Gathering Station and Offtake Point (CGGS & OTP)-Madhuban	Complied. Copy of newspaper advertisement forwarded with our Compliance Status Report submitted in April, 2014.
	be followarded to the Regional office.	Feeder Pipelines – 03 Nos.	Complied.



मुख्य महाप्रवंधक (गैस प्रवधन सेवाए) ¹ CGM (Gas Management Services)





Ambient Air Quality Monitoring Report

Name & Address of the Customer		Report No.: MSK/2023-24/2307		
"Mrs Oil INDIA L'MITED", Duliajan, Dibrugari: Assam-786602		Report Date: 30.01.2024		
		Sample Description : Ambient Air Sample Number : MSKGL/ED/2023-24/12/00716		
				Sampling Location: CGGS MADIIUBAN NEAR FLARE AR
		Ref No.:W.O. NO - 8125981 a	f Contract No. 6116895	GPS Reading N 27°51'38", E 95
Date of Sumpling	Sample Received Date	Analysis Start Date	Analysis Complete Date	
04.01.2024	07.01.2024	07.01 2024	14 01 2024	

		Analysis Result			
SI. No.	Test Parameter	Method	Unit	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS: 5182 (Part-23)-2006	(µg/m3)	65.1	100
2	Particulate Matter (PM ₁₅)	IS: 5182 (Part-24)	(µg/m3)	40.7	οů
3	Sulphur Dioxide (SO ₁)	IS: 5182 (Part-2)-2001	(µஜ/m3)	67	80
4	Nitrozen Dioxide (NO ₂)	IS: 5182 (Part-6)-2006	(µg/m3)	20.7	80
5	Carbin Monoxide (CO)	IS 5182 : (Part-10) :1999	(mg,m3)	0.68	1
2	Ozone (J.)	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m3)	<20 0	180
7	Ammin 11 NH.)	1S 5182 (Part 25) = 2018	(µg/m3)	<10.0	400
	Lead Pri	USEPA IO-3.4	(µg/m3)	<0 ();	1
9	Nickel (Nil)	USEPA IO-3.4	(ng/m3)	<5.0	20
10	Arsenic As)	USEPA IO-3.4	(ng/m3)	<1.0	6
.4	Benzene CaFla	1S 5182 : (Part 11) .2006	(µg/m3)	<4 2	ź
L	Benzula ryrene (BaP)	IS 5182 : (Part 12) :2004	(ng.m3)	<05	1
13	Mercity Hg)	USEPA 10-5 0	(µg/m3)	<0.002	1000
1:	Methane (Hydrocurbon)	IS 5182 : (Part 17)	ppm	1.80 .	
15	Non-methane (Hydrocarbon)	IS 5182 : (Part 17)	pptn	<0.5	-
16	Totai : Iydrocarbon	IS 5132 : (Part 17)	ppm	1.80	
12	Volatile irganic Compounds (VOC)	IS 5132 : (PART-11):2006	(µg/m3)	<4.2	1

Analyzed By:

Designation.

Signature Name

Mr. Dipankar Mazumdar Executive Chemist

Name Designation.

Prepared By:

Signature Office Assistant

Miss Jyosmita Borah

Authorized Signatory Mitra S.K. Private Omited

Signature

Designation ... Branch Manager

The results relate only to the item(s) tested.

This I est Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

Our List is Approved by NABL & MOEF, Lab Address : P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrach: Centre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016. West Bengal, India. Tel.: 91 33 40143000 | 22050006 / 22650007 Fax: 91 33 22650008 |
Email: :nfo@mitrass co. 4. Website: www.mitrask.com





Ambient Air Quality Monitoring Report

Name & Address of the Customer		Report No = MSK/2023-24/2308					
"M/s OIL INDIA LIMITED", Duliajan, Dibrugiath, Assam-786602 Ref. No. W.O. N.D. 8125981 of Contract No. 6116895		Report Date 30.01.2024 Sample Description : Ambient Air Sample Number : MSKGL/ED/2023-24/12/00717					
					Sampling Location: CGGS MADHUBAN NEAR GENERATOR ROOM		
					GPS Reading N 27051 387, E 95	⁰ 42 53	
		Date of Sungling	Sample Received Date	Analysis Start Date	Analysis Complete Date		
		04.01.202	07.01.2024	07.01.2024	14.01.2024		

Environmental Conditions During Sampling & Transport Condition :Temperature : 25°C, Rain fall : NO

Analysis Result						
SI. No.	Test Parameter	Method	Unit	Results	CPCB Limi	
1	Particulate Matter (PM ₁₀)	IS: 5182 (Part-23)-2006	(µg/m3)	57.6	100	
2	Particulare Matter (PM15)	IS: 5182 (Part-24)	(μg/m3)	37.6	60	
ß	Sulphyr Dioxide (SO ₁)	IS: 5182 (Part-2)-2001	(µg/m3)	6.9	\$0	
4	Nitroger, Dioxide (NO ₂)	IS: 5182 (Part-6)-2006	(μg/m3)	21.3	80	
5	Carbon Monoxide (CO)	IS 5182 : (Part-10) :1999	(mg/m3)	0.68	2	
ó	Ozone (O ₁)	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m3)	20 6	180	
	i Ammen i NH ₁ s	IS 5182 (Part 25) 2018	(ជនយាវ)	16.3	400	
8	Leac Phil	USEPA IQ-3.4	(µg/m3)	<0.01	1	
9	Nicker (INI)	USEPA IO-3.4	(ng/m3)	<5.0	20	
10	Arsenie As)	USEPA 10-3.4	(ng/m3)	<1.0	6	
33	Benzene (C ₀ H ₄)	IS 5182 : (Part 11) :2006	(µg/m3)	<4.2	5	
12	Bank, a rivrene (Big)	IS 5182 : (Part (2) :2004	(ng/m3)	<0.5	1	
13	Mercusy (tg.)	USEPA 10-5.0	(µg m³)	<0.002		
14	Melnice Hydrocarbon:	IS 5182 : (Part 17)	ppm	78		
(64) (64)	Non-metriane (Hydrocarbon)	IS 5182 : (Part 17)	mgq	<0) 5		
16.	Total (i) drocarbon	IS 5182 : (Part 17)	ppni	1.73	× ×	
15	Volenie Organic Compounds (VOC)	IS 5182 : (PART-I1):2006	(µg/m3)	<4.2		

Analyzed By:

Signature Name Designation. Prepared By:

Signature

Name Designation

Office Assistant

Authorized Signatory Mitra S.K. Private Limited

Signature

: Mr. Rajib Kby Name Designation: Branch Manager

Executive Chemist

Mr. Dipankar Mazumdar

13 or wills relate only to the liem(s) tested.

This is a Report shall not be reproduced except in full, without the permission of Maro S.K. Private Limited.

Our Lib is Approved by NABL & MOEF, Lab Address: P-48 Udayan Industrial Estate-3 Pagladanga Road Kol-700015

Head Office: Shrachi Leutre (5th floor), 74B, A.J.C. Bose Road, Kolkata - 700 016. West Bengal, India. Tel.: 91 33 40143000 | 22 a50006 / 22650007 Fax: 91 33 22650008

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





Nan	n & Address of th	e Customer R	eport No		: MSK/2023-24/	2166
800	22THMLEATER S	, R	eport i)ate	i	30,12,2023	
			ature of S	unple	Stack Emissio	n
- 17 L B + 534 n - 7 X 6rt			ample Mar		CGGS MADE	
			ampie Nui	nber — +		2023-24/12/00662
00	8 S. San Oggi	31 of "miracity of 8		1	MBIKOTI LON	5025-24/12/00(02
	Sampling	Sample Received Date	Analysis :	Start Date	Anal	ysis Complete Date
	1 3023	27 (* 2023	27 (1	2023		04 12 2021
		A	NALYSIS	RESULT		
Α.	General information	tion about stack :		: GEG-I		
1	- ack dennee ud to		-	TI RBINE		
2	heart die		N7 7 W	50		
3	Kita a maans a	U. Bart Stacks		Nis.		
4	Stape of Stack		4	Circular		- ER turners
5 '	Whether stuck is mi-	evidec wide permanent platforn. a	& Indefer	7 28	-	
5	Or espacity		- dorde	: 906 KVA		
В.	Physical charact	enstics of stack		. 700 16174		
1	rleight or the stack			12.192 m		
2 1		ck at sampling poin		0.1016 in		
3	Stack	and traff lavin		0 1010 in	n	
C	\nalysis/Charact	teristic of stack	110	9 MIG 1-7 ID.		
	150 35 T					
۵. "	Result of sample	ling & analysis of gaseous e	mission	-	Limit as	a = 0.0
				Result	per CPCB	Method
1	graps recure of the x	Sign (C)		1 116	PC. 51. 55	USEP 1 Part 2, 23 /9 1996
2.	aron atric Pressure		-	762		USEPA Part 2, 25/09/1996
	ב מהן שמם יס אן סט נ			14.66	1 - E	USEP A Part 1, 25 10 1954
	Charles of Gas Flow		-	326		USEPA Peri 2, 25 09 1996
	moratration of Oxy			13.6		IS 13270 1992 Reaft, 2014
5.	art atration of Car	hen Monovide (ing/Nm3)		28.2	150	IS 17279 1992 Real F, 2014
7 =				6.2	* * * **	15 y 12" 12 Years 2 1
8 :	मद्रास्था छ ज्ञान्य ५००	phur (Movide (mis/Nm3)		24.5		USEPA-20 25/06 1996
9 (Second Resear Name	rogen Oxide (ppm) i		74.6	360	USEPA Pare 6, 25 09/1496
10 (once whiten of Lea	d (me Nm3)				1 KEP 4-20 00 0 1494
		ticulate matter (mg Nm3)		35.5	75	SEPARANT OF SPINE
	mee stration of the	in a character of		40 000E	100	LSEPA 18-25 IC
E.	Pollution control	devica				•
	Jeta is of pollution	control devices attached with	the stant	Kili		Remarks Nil
		The second of the second with	wie stack	TNII		

Analyzed By:

Prepared By:

Sano

Attaparley colocutive Chemics Designation,

Signature

Miss Neena Sarman

Office Assistant

Authorized Signatory ForMitra S.K. Private Limited

Signature

Name Mr. Allie w Designation 15 and Charger

A Dirigithe person from a Marco S.C. (**) sale sum ability of the State of the Stat dend Office: Shrach: Centre (5th floor), 74K, Au. C. Best Road, Kulksta (700 of 6, West Bengal, Indus) : cl. (1.43.40)43000 / 22650406 | 22650607 has (191.33.22650608 Forasic: infixit mitratal.com, Website, www.mitratal.com

 $\mathrm{Adj}(\mathcal{D}^{-1}(\mathcal{A}))$

(*) (*)



hun: & sildress of the Customer	Report No Report Date	: MSK/2023-24/2167 30.12.2023
हरू हैं - याम् वर्ग अस्त्राहरू केर्ति।	Nature or Sample Sample Mark	Stack Emission CGGS MADHUBAN
that has a reconstruction	Sample Number	MSKGL/ED/2023-24/12/00663
(1 + + W 1) SO = \$125981 of Contract No. 6136895	and the same of th	
ate : Sampling Sample Received Day	c Authorithme	Analysis Complete Date
21 12621 27 112625	2~1 202	04 (2 2023

ANALYSIS RESULT

A.	General information about stack :	: GEG-2			
1	Stack connected to	FURBINE			
2	200 la C 125 ll	NG.			~
<u>.3</u>	1 later at of construction of Stack	l MS			
4	Stape of Stack	Circular		2	
5 6	Whener stack is a model with permanent platform & ladder	Ves			
:	DG c η αcar	: 906 KVA			-
В.	'hysical characteristics of stack :				
1	leight of the lack from ground fevel	i: 12,192 in			-
2	Here started and water in the control of the contro	1 '016 m			
3	THE CHIEF	1.0081 m2			40.00
C.	\nalysis/Characteristic of stack	20001 111	140	- 4	

aracteristic of stack.

D. Re-ult of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1 Comportative of emission (°C)	107		USI PA Pait 2, 25 09 1596
d grometric Pressure (mm of Hz)	762		IL SEPA Part 2 25 09 1996
3 tine ty it, gas (m/sec.)	15.48		USEPA Part 2, 25 09 1996
4	352	448	USEPA Part 2, 25 59 1996
5 _ Carce matter of Oxygen 19 .	13.4		IS 13270 1992 Reut 2014
i me itrain of theboo Mon inde img Nm3)	28.2	150	TS 13270 1392 Keef 21.4
a with the state of the state (%avfr)	5.8	1949	18 10270 (1992 Real Edition)
8 ones instend a Sulphur Dioxide (mg/Nm3)	27.1	1	LSI PA-29 25 06 1999
3 (dec stration of Nitrogen Oxfue (ppmy)	74.1	360	UShPA Part-6, 25/00/, 395
t succentration - Lead (mg/Nm3)	40.005		L SEP A-29 25 06/, 999
11. Once it ution of Particulate matter (mg/Nm3)	35.1	75	SEPA Parts 17, 16 (8) 1416
2. I since itration. (Hydrocarbons (ppm)	< 0.0003	100	Sala is at a me

ollution control device letails of pollution control devices attached with the stack. Nill

THE RESERVE DESCRIPTION OF THE

Remarks:Nil

Analyzed Syr

4

Prepared By:

Signature

Name Designation.

Miss Necha Sarmah Office Assistant

Authorized Signatory ForMitra S.K. Private Limited

Heriza on BranckManager

the long open shall have be reproduced a commuter than a neglection of the state of the control and the control of the state of the sta

7-24-18-1

App Dealer to 7 - 1 Postante Dealer Tonion





Nam: & vidress of the Customer	Report No.	: MSK/2023-24/2169
Man of School Schools	Report Dat:	30.12.2023
dh isan-isa	Nature of Sample	Stack Emission
	Sample Mark Sample Number	CGGS MADHUBAN MSKGL/ED/2023-24/12/00665
- <u>- ₩</u> - 1981 of Cootra. (1891/6-1883	A	
8 Sample Received Da	ite Analysis Start Date	Analysis Complete Onte
21 2721 2721	27 11 2023	04 2 2023

ANALYSIS RESELT

300	ANALISE	SKESULT	
A	General information about stack :	: DRENCHING PUMP-1	
. 1	stack connected to	WATER TANK	
Ζ	import due to	HSD	
3	flater a of construction of Stuck	- MS	
4	Snape of Stack	Circular	-
5	who her stack is provided with permanent platform & ladde-	Yes	
0	Micaga, G	: 255 HP	
В.	Physical characteristics of stack.		
1	fleight of the stack from ground level	3.048 m	
2	Hameter of the strick at amiling point	10.16 m	
-	MGB NI404	00810 m2	
٥,	Analysis/Characteristic of stack		91.1

D.	Re-uit of sampling 8 analysis of gaseous emission	Result	Limit as	Method
	emperature of emission (*C)	124		SEPA Part 2, 25 09 1796
4_	from etcle Pressure (min of Hg)	762	1122200	USEPA Part 2, 25 09,1598
3.	electy of gas im sect)	20.86	244	TLSFPA Part 2, 25 14 1145
4	eart ty of Gas Flow (Nm3/hr)	454		USEPA Part 2, 25 09 1995
٥. ـ	Concentration of Oxygen (85)(v)	13.8		IIS 13270 1992 Reaff, 20 4
5	Concentration of Carbon Monoxide (g/kW-hr)	0 126	≤ 3.5	IIS 13270 1992 Reaft 2111
	encentral up of Carbon Dioxide ("avxy	5.6		18 13270 PAZ HORO C TO
8	oncentration of Sulphur Direct, rengNiety	23.7		USEPA-29, 25 05/1996
9	Concentration of Nitrogen Oxide & Hydrocarbons kW-rr	0.274	≤ 4.0	USEPA Part-7 12 07 494 &
13	meent on Clead (mg/Nm3)	<0.005		LSEPA-29 25/69/1996
11 E.	neum non of Particulate matter 2 kW-hr).108	≤ 0.2	1 SEPA PURETTE SER CAR

Pollution control device :

Atlagar day

Details of pollution control devices attached with the stack. Nil

Remarks.Nil

Analyzed By:

The said

Prepared By:

Designation.

Vame

Miss Necha Sarman Office Assistant

Authorized Signatory ForMitra S.K. Private Limited

Name : Air Roy Roy Designation | Branch Manager

to the state of the second of the second of the second of the state of the second of t

Approximation

Nam & Address of the Customer

"Ma Hitara Chillip



STACK GAS MONITORING REPORT

: MSK/2023-24/2170

30 12 2023

Report No.

Report Date

			10 12 202	
	Nature . Sample		Stack Emission	
130 fr / Sarth 10 frz	- Sample Mar	k .	CGGS MAD	
	Sample Nun	neer		/2023-24/12/00666
3 25981 of Contact So 5115895				14-5 24.12.0000
Nam pre Received Date	Analysis S	art Date	Ans	lysis Complete Date
\$4 (a)(b)	7.3	27.1		Tal Tal Es
	-			or rate
	ANALYSIS	RESULT		
A. General information about stack :		1: DRENCH	ING PUMP-2	15
Stack connected to .		WATER		5.4
2 mandor due :		HSD		
3. States of of construction of Stack		MS	16/4	-
Shape of Stack		. Circular		
Whereir stick is provided with permanent platfo OG capacity	orn & ludder	: Yes		
		255 HP		1 1011
B. Physical characteristics of stack :				
Height of the stack from ground level		: 3 048 m		
Dian efector the stack at sampling point		: 0.1016 m		
Area is States		. 0.00810 m2		
C. Analysis/Characteristic of stack			2007	1 1 11 11 11 11
D. Re ult of sampling & analysis of gaseou	IF the section of the section			
	is mussion	Result	Limit as	Method
amperature of emission (°C)	71 ====	:15	per CPCB	USEPA Part 2, 25 0% (%)
2. journ etric Pressure (mm of Hp)		762	*	SL2 \ Part 2 2519 (W)
		24 55		USEPA Pure 2, 15 07 1996
d. sam ty of Gas Flow (Nm3/hr)		480		UsT 14 - Lrt 2, 25 09 1996
5 For the St Oxygen (Cat.)	-	14.0		98 197 1641 Fest (50.4
A CONTRACT OF THE PROPERTY OF		J 125	≤ 3,5	15 13270 1742 Reaft 21.4
Cance atration of Carbon Dioxide (*av-y)	i i	5.2	***	IS 132 0 1992 Reaff, 2014
met (rationed Sulphur Dassale (mg/Nm3)		24.1		USEPA-29, 25/06/1996
Once Unition of Nitrogen Oxide & Hydrocarbons		0.266	640	TSEPA Parts 7, 12,03, 1996, 1

Pollution control device :
Details of pollution control devices attached with the stack . Nil

Remarks Vil

"SEPA Part-7, 12 03 1996 &

USEPA 18 -25 09 (1996) USEPA-29 25 04 390 USEPA-29 25 04 390 USEPA-29 25 04 390

Analyted by:

Έ.

10 C mai stration of Lead (mg Nm3)

11 Concentration of Particulate matter (g/kW-hr)

Prepared By:

Mr. Dipanker Mazain sar Execute Clemes

Signature N. Amic Designation

Miss Nocha Sarman Collice Assistant

0.266

<0.005

0.105

Authorized Signatory ForMitra S.K. Private Limited

54.0

≤ 0.2

Signature, Name Me. Mo. Designation : Branch Manager

15 dayon le astron et et l'agrendange (sau Ko-Fide)

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Rose Road, Kulkata - 700 015, West Bengal, Jadia. ict.; 31 33 40143000 / 22650006 / 22650007 Fax: 91 33 22650008 mail infogmitrash.com Website: www.mitrash.com

> 34.61 Approved by Tallebas . Sinda Keledali yan 1975 Deli

this control of the second



Annexrue III

FORM - O

[See Rules 29-F (2) and 29(L)

REPORT OF MEDICAL EXAMINATION UNDER RULE 29-B

Certificate No. : BL = 0.33 / 2 c 23

Certified	that sri/S	Shrimotį employed as
		mine. Form D. No has been examined for an initial/
periodical* med	dical exa	amination. He/She appears to be3.6
The finding of	the exar	mining authority are given in the attached sheet it is considered that
Shri/Shrimoti .	MR	IDUL GOACI
		cally fit for any employment in mines.
*(b),	ls suffri	ng fromand is medically unit for
	(:)	any employment in mine or
	(ii)	any employment below ground; or
	(iii)	any employment or work
*(0)×	ls suffri	ing from and should get this disability
cured/controlle	d and sh	ould be again examined within a period by months.
		r re-examination with the result of test of
		specialist from
		ited/ Not permitted to carry on his duties this period



6

Signature of Examining Authority

DR D. PHVICON

Name and Designation in Block Letters

Place

Date 🕪 💯 🖼 🗷

Delet whatever not applicable.

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



REPORT OF THE EXAMINING AUTHORITY

		ether initial or periodical or re-examination or after
	Annexure to certificate No. BL-065	
-	nedical examination that make	as a result
	Identification Mark	
	100. Choddon Mark	Left Thumb impression of the Candidate
1		Good/ Fair/ Poof
2	Height Cms	
3	Weight Kg.	
4	Eyes	
	(i) Visual distance vision (with	Or without glasses)
	tel	Right Eve NCRM A I
	(7)	Right Eye <i>外で見か 月し</i> Left Eye <i>八で見か 月し</i>
	(ii) Any organic disease of eyes NC	Long Land A. V. Prof. of L. C. Commission of the
	(III) Night Blindness _ NIA	
	(iv) Sound - No	
5	(*to be tested in special cases) Ears	
J	(i) Hearing Dight East NOS NA)	Nie e
	(i) Hearing Right Ear NORTHAL (ii) Any Organic Disease - NO	Left Ear NUK M AL
6	Respiratory System	
	O:	
	(i) After full inspection	
	(ii) After full examination 9	
7	- " outdon'y Gystern	· · · · · · · · · · · · · · · · · · ·
	Blood Presure 1237gc	
6	Puise _ < s / L s	
8	Abdomen _ A A A	
	Tenderness NL Liver	
	NERRO AL	
	Tumour note	
9	Nervous System N, F, C	
	History of fits or NC	
	Paralysis - NO	
	Mental Health	
10.	#000motor System = N.Ah	
1 1	OVIII - IN CHANGE	
12	Hernia - N°C	
13	Hydroceie - r/l	
14	Any other normality - NO	
15.	Urine	¥
	Reaction	
	Albumin	
16	Suger / Skiagram of Chest	
17	Any other Citest considered =	
18	Any other C test considered necessary by the Any opinion of specialist considered necessa	e examining authority.
	y Thinney of Specialist Considered necessa	7 7.
		`* y

Place



Report of Medical Examination as per the recommendations of National Safety Conferences in Miners

(To be used in continuation with Form "O")

Certificate No..

BL-065

Name

Identification Marks

Moviduel Grogai Cul mark on (Rt) hand

1. Cardiological Assessment

	S1	T. ORMAL
Auscultate	S2	MORMAL
	Additional Sound	Ne-mui-mul
Electrocardiograph (12 leads) finding		Normal / Abnormal

Enclosed ECG

2 Neurological Assessment

Findings	η Normal / Abnermal
Superficail Reflexes	MORMAL
Deep Reflexes	NORMAL
Peripheral Circulation	NORMAL
Vibrational Syndromee	NO

3. ILO Classification of Chest Radiograph

Profusion phonumoconiotic opacitiee	Grades	Types
Present / absant		

Enclosed Chest Radiograph

4. Audiometry Findings

Conduction Type	Left Ear	Right Ear
Ear Cunduction	Normal / Abnormal	Normal / Abnormal
Bone Conduction	Normal / Abnormal	1 Normal / Abnormal

Enclosed Audiomatry Report

Pathological / Microbiological Investigations

SI No.	Tests	Findings
1	Blood-Tc dc Hb Esr Piateiets	WNL/Abnormal
2	Blood Suger - Fasting & PP	WNL/Abnormal
3	Lipid Profile	L-WNL/Abnormal
4	Blood Urea, Creatinine	WNL/Abrjormal
5	Urine Routine	L-VVNL/Abhormal
6	Stool Routine	L-WNL/Abnomai

Enclosed Audiomatry Report

5. Special tests for Mn exposure !

Behavioural Disturbances		Present / Not Present
	Speech Defect	Present / Not Present
Neurologica:	Tremor	Present / Not Present
Disturbances	Adiadocokinesla	Present / Not Present
	Emotional Charges	Present / Not Present

 $ilde{ ilde{}}$ Any Other Special Test Required . \mathcal{NO}

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)			
Forced Vital Capacity 1 (FEV1)		WNL	
FEV 1 / FVC			
Peak Expiratory Flow		4	



3

Annexrue III

FORM - O

[See Rules 29-F (2) and 29(L)

REPORT OF MEDICAL EXAMINATION UNDER RULE 29-B

Certificate No.: 131/039/2023

Certified	that sri/Shrimoti employed as
1n	mine. Form D. No has been examined for an initial/
periodical* med	dical examination. He/She appears to be46 years of age.
The finding of	the examining authority are given in the attached sheet it is considered that
Shri/Shrimoti	MUKUT DAS
Jay .	Is medically fit for any employment in mines.
*(p)/	Is suffring fromand is medically unit for
	(i) any employment in mine or
	(ii) any employment below ground; or
	(iii) any employment or work
*(c) >	Is suffring fromand should get this disability
cured/ controlled	d and should be again examined within a period by months
"He/ She will ap	opear for re-examination with the result of test of
*and the option	of specialist from
He/ She may be	e permitted/ Not permitted to carry on his duties this period.



b

Signature of Examining Authority

DR. D. PHU Con Name and Designation in Block Letters

Place

Date | 20 | 10 | 2023

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



REPORT OF THE EXAMINING AUTHORITY

	and sorth of disability)	ether initial or periodical or re-examination or after
	Annexure to certificate No 84 - 027	
n	nedical examination. Cut manz	as a result
	Identification Mark	Left Thumb impression of the Candidate
1. 2. 3. 4.	, -	Good/ Fair/ Poof
	(i) Visualdistance vision (with	or without glasses)
	(ii) Any organic disease of eyes — ND (iii) Night Blindness — ND (iv) Sound — ND (*to be tested in special cases)	Right Eye NORMAL Left Eye NORMAL
5	Ears	
	(i) Hearing Right Ear NORMAL (ii) Any Organic Disease — NO	Left Ear. NORMAL
6.	Respiratory System	
	Chest Measurement	
	(i) After full inspection	Cme
	(ii) After full examination	Cms
7.	Circulatory System	
	Blood Presure - 140/80	
•	Pulse — 84/min	
8.	Abdomen — NAD	
	Tendemess — No	
	Liver NORMAL	
	Tumour → NÔ	
9.		1.01
	History of fits or	
	Paralysis — No	D1
	Mental Health - Good	
10.	Locomotor System — NAD	
11.	Skin - NORMAL	
	Hernia — № 0	P
	Hydrocele — № C	
14.	Any other normality — N 5	
15.	Urine	
	Reaction / W/ OC/	
	Urine Reaction Albumin Suger	
	ouger **	
16.	Skiagram of Chest	
17.	Any other C test considered necessary by the	e examining authority.
18.	Any opinion of specialist considered necessar	ary.

Place

Signature of Examining Authority



Report of Medical Examination as per the recommendations of

National Safety Conferences in Miners (To be used in continuation with Form "O")

Certificate No

: BL-077

Name Identification Marks Mukut Das Cut mark on (R+) Knu

1. Cardiological Assessment

į.	S1	NORMAI
Auscultate	S2	NORMAI
	Additional Sound	No-mur-mu
Electrocardiograph (12 leads) finding		Normal / Abpermal

Enclosed ECG

2 Neurological Assessment

Normal / Abpermal
MORMAI
20020041
100000
TV UKITIAL

3. ILO Classification of Chest Radiograph

Profusion pnonumoconiotic opacitiee	Grades	Types
Present / absant		1,7,000

Enclosed Chest Radiograph

4. Audiometry Findings

Conduction Type	Left Ear	Right Ear
Ear Cunduction	Normal / Abnormal	Normal / Abnormal
Bone Conduction	Normal / Abnormal	Normal / Abnormal

Enclosed Audiomatry Report

5 Pathological / Microbiological Investigations:

SI. No	Tests	Findings
1	Blood-Tc, dc, Hb, Esr, Platelets	L WNL/Abnorma!
2	Blood Suger - Fasting & PP	LWNL/Abnormal
3	Lipid Profile	LWNL/Abnormal
4	Blood Urea, Creatimine	LWNL/Abnormal
5	Urine Routine	LWNL/Abrormal
6	Stool Routine	L-WNL/Abnormal

Enclosed Audiomatry Report

Special tests for Mn exposure :

Behavioural Disturbances		Present / Not Present	
	Speech Defect	Present / Not Present	
Neurologicai	Tremor	Present / Not Present	
Cisturbances	Adiadocokinesia	Present / Not Present	
	Emotional Charges	Present / Not Present	

7 Any Other Special Test Required : WO

8. Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)			70 011110010100
Forced Vital Capacity 1 (FEV1)		WMI	
FEV 1 / FVC		100	
Peak Expiratory Flow			



STATUS OF COMPLIANCE OF EC CONDITIONS

Installation: GCS-HEBEDA VILLAGE

Period: 01.10.2023 - 31.03.2024

EC No: F. No J-11011/682/2008-I A II(I) Dated 17.06.2013

	A. Specific Condition		
SI No.	EC Condition	Compliance status/ Remark	
i	Prior clearance under the Wildlife (Protection) Act, 1972, should be obtained from the Standing Committee of the National Board for Wildlife as the project is located within 10 Km distance of Eco sensitive areas (Dehing Patkai WLS, Bherjan-Borajan-Podumoni WLS and Dibru-Saikhowa National Park).	NBWL clearance received vide letter No. WL/FG-35/Standing Committee NBWL dated 09.10.2014 & copy enclosed.	
ii	No facility shall be developed in forest land.	Complied	
iii	Adequate buffer zone around the oil and gas facilities, as may be required as per OISD or other statutory requirements.	Complied	
iv	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The company shall take necessary measures to prevent fire hazards and soil remediation as needed. At the place of ground flaring, the flare pit shall be lined with refractory bricks and efficient burning system. In case of overhead flare stacks, the stack height shall be provided as per the regulatory requirements and emissions from stacks shall meet the MOEF/CPCB guidelines.	Complied	
V	Regular ambient air quality monitoring of PM ₁₀ , SO ₂ , NO _x , VOC _s and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations should be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum 3 ground level concentration and downwind direction of wind. If required, additional stations should be set up. It will be ensured that at least one monitoring station is set up in up-wind & in downwind direction along with those in other directions.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed.	
vi	Regular monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to Ministry's Regional Office at Shillong, CPCB and Assam Pollution Control Board.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed.	



		Online Fire & Gas Detection System is also
		installed in this station.
vii	Vapor recovery system shall be installed to prevent leakage of vapor from tank/ vessels / processing and filling areas to ensure no hydrocarbon vapors are released unchecked.	Complied
viii	Total fresh water requirement from ground water source shall not exceed 18 m³/day per GCS, 17 m³/day per FGS and around 15 m³/day per CGGS & OTP and prior permission shall be obtained from the CGWA/SGWA.	Complied. Water consumption is within the prescribed limit.
ix	The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system should be	Complied
	created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted	No.
X	Produced water/wastewater separated during processing in GCSs/FGSs/CGGS shall be treated in efficient Effluent Treatment Plants and then routed to the nearby oil collecting station for injection into underground structures at depth between 1000m to 1500 m. Water quality of treated effluent shall conform to CPCB standards. No effluent shall be discharged outside the premises of facilities	The installation has an Effluent Treatment Plant to maintain treated water quality as per CPCB norms. No effluent is discharged outside the premises of the installation.
хi	Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. should be followed. Company shall ensure no oil spillage occur during loading / unloading of petroleum products.	Complied
xii	The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste should be properly treated and disposed off in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Complied
xiii	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Complied DGMS approval available. On-site and Off-site Disaster Management Plans available and implemented.
xiv	The company shall obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.	Complied



XV	All storage tanks should be provided with design features based on applicable OISD standards.	Complied
xvi	No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.	Complied
xvii	Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Not Applicable No oil storage tank farm is present at site
xviii	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	Complied
xix	Bottom oil sludge should be handled, stored and disposed as per CPCB/ MoEF guidelines. An action plan in this regard including bioremediation should be submitted to the Ministry and its Regional Office at Shillong within 3 months of issue of the letter.	Secured, covered, impermeable sludge storage facility is already available
XX	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	Complied
xxi	Green belt should be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around POL depot should be ensured.	Being complied. Green belt is being developed.
xxii	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 23rd August, 2011, 25th August, 2011 and 26th August, 2011 for the project shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	Complied
xxiii	At least 5 % of the total cost of the project shall be earmarked towards corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	The CSR Policy of the company is already in place and the same is being implemented in time bound phased manner as per government directive.
xxiv	Company shall prepare operating manual in respect of all activities. It should cover all safety & environment related issues and system measures to be taken for protection. One set of environmental manuals shall be made available at the drilling site/project site. Awareness should be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Complied
XXV	Project proponent shall comply with the environment protection measures and safeguards recommended in the EIA/EMP/risk analysis report/disaster management plan.	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, Safe drinking water,	Presently Not Applicable



medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

	B. General Condition		
SI No.	EC Condition	Compliance status/ Remark	
i	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied	
ii	No further expansion or modification 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.	Will be complied	
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 overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied	
V	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Being Complied	
vi	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Being Complied	
vii	The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied Monitored data enclosed.	



viii	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied
ix	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	Complied Compliance status including monitored data is regularly uploaded in company's website and sent to
	CPCB and the PCB, Assam. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x , CO, HC (Methane & Non-methane), VOC _s (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.	concerned government authorities. Monitored data is also enclosed herewith.
X	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the PCB, Assam. The Regional Office of this Ministry / CPCB / MPPCB shall monitor the stipulated conditions.	Complied Monitored data enclosed.
xi	The environmental 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
xii	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 PCB, Assam and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be	Complied Copy of newspaper advertisement forwarded with our Compliance Status Report submitted in April,
	advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	2014.



	xiii	Project authorities shall inform the Regional office as well as	Complied
ı		the Ministry, the date of financial closure and final approval	Copy of newspaper
١		of the project by the concerned authorities and the date of	advertisement forwarded
١		commencing the land development work. Same shall be	with our Compliance Status
		forwarded to the Regional office.	Report submitted in April,
			2014.



Ambient Air Quality Monitoring Report

Name & Address of the Custom-	er	Report No.: MSK/2023-24/2263		
		Report Date: 30.01.2024 Sample Description: Ambient Air Sample Number: MSKGL/ED/2023-24/12/00672		
"M/s OIL INDIA LIMITED",				
Duliajan, Dibrugarh, Assam-780	6602			
		Sampling Location G.C.S. HEBEDA GAON		
Ref. No :W O. NO 8125981 o	f Contract No. 6116895	GPS Reading: N 27°51′38", E 95	⁰ 42′53′′	
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date	
22.12.2023	25.12.2023	25.12.2023	01.01.2024	

Environmental Conditions During Sampling & Transport Condition: Temperature: 27°C, Rain fall: NO

	1	Analysis Result			
SI. No.	Test Parameter	Method	Unit	Results	CPCB Limi
1.5	Particulate Matter (PM ₁₀)	IS: 5182 (Part-23)-2006	(µg/m3)	73.7	100
2	Particulate Matter (PM _{2.5})	IS: 5182 (Part-24)	(µg/m3)	40.9	60
3,,	Sulphur Dioxide (SO ₂)	1S: 5182 (Part-2)-2001	(µg/m3)	7.7	80
4.	Nitrogen Dioxide (NO ₂)	IS: 5182 (Part-6)-2006	(µg/m3)	23.5	80
5.	Carbon Monoxide (CO)	IS 5182 : (Part-10) :1999	(mg/m3)	0.78	2
6	Ozone (O ₁)	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m3)	22.9	180
7_	Ammonia (NH ₂)	IS 5182 (Part 25): 2018	(µg/m3)	11.5	400
8_	Lead (Pb)	USEPA IO-3.4	(µg/m3)	< 0.01	1
9	Nickel (Ni)	USEPA 10-3.4	(ng/m3)	<5.0	20
10,	Arsenic (As)	USEPA IO-3.4	(ng/m3)	<1.0	6
110	Benzene (C ₆ H ₆)	IS 5182 : (Part 11) :2006	(µg/m3)	<4.2	5
12	Benzo(a)Pyrene (BaP)	IS 5182 : (Part 12) :2004	(ng/m3)	< 0.5	1
13.	Mercury (Hg)	USEPA 10-5.0	(µg/m3)	< 0.002	300
14.	Methane (Hydrocarbon)	IS 5182 : (Part 17)	ppm	1.80	170
15.	Non-methane (Hydrocarbon)	IS 5182 : (Part 17)	ppm	<0.5	
16.	Total Hydrocarbon	IS 5182 : (Part 17)	ppm	1.80	171
17,	Volatile Organic Compounds (VOC)	IS 5182 : (PART-11):2006	(µg/m3)	<4 2	

Analyzed By:

Prepared By:

Authorized Signatory
Mitra S.K. Private Limited

Signature Name

Designation.

Delgoly

: Executive Chemist

: Mr. Dipankar Mazumdar

Signature Name : Miss Jyosmita Borah

Designation. Office Assistant

Signature :

Name : Mr Rajio 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 NABL & MOEF, 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





Name & Address of the Customer		Report No.	: MSK/2023-24/2351
		Report Date	; 29.04.2024
"M/s OIL INDIA LIMITED	`	Nature of Sample	: Stack Emission
Duliajan, Dibrugarh, Assam-786602		Sample Mark	GCS HEBEDA GAON
		Sample Number	: MSKG1/ED/2024-25/04/01116
Ref. No.:W.O. NO 812598	It of Contract No. 6116895		
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
19.01.2024	22.01.2024	22.01.2024	29.01.2024

ANALYSIS RESULT

A.	General information about stack : : DRENCHING PUMP-2				
ş.	Stack connected to	: WATER TANK			
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	: 190 HP			
В.	Physical characteristics of stack :				
1:	Height of the stack from ground level	: 3.048 m			
2.	Diameter of the stack at sampling point	: 0.203 m			
3.	Area of Stack	: 0.00810 m2			
C.	Analysis/Characteristic of stack: 1. Fuel used : HSD Popult of compling & analysis of gaseous emission.		Limit as	I	
D.	Result of sampling & analysis of gaseous emission	Result	per CPCB	Method	
1	Temperature of emission (°C)	131	3,00	USEPA Part 2, 25.09.1996	
2.	Barometric Pressure (mm of flg)	762.0	3440	USEPA Part 2, 25.09.1996	
3.	Velocity of gas (m/sec.)	18.83		USEPA Part 2, 25.09 1996	
4.	Quantity of Gas Flow (Nm3/hr)	403	1	USEPA Part 2, 25 09 1996	
5.	Concentration of Oxygen (%v/v)	13.6	111	IS:13270:1992 Reaff, 2014	
6.	Concentration of Carbon Monoxide (g/kW-hr)	0.147	≤ 3.5	IS:13270:1992 Reaff, 2014	
7.	Concentration of Carbon Dioxide (%v/v)	5.4	***	IS:13270:1992 Reaff, 2014	
8.	Concentration of Sulphur Dioxide (mg/Nm3)	22.9	***	USEPA-29, 25/06/1996	
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.250	≤ 4.7	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09.1996	
10.	Concentration of Lead (mg/Nm3)	< 0.005	0999	USEPA-29, 25/06/1996	
11.	Concentration of Particulate matter (g/kW-hr)	0.092	≤ 0.3	USEPA Part-17, 16/08/1996	
E.	Pollution control device : Details of pollution control devices attached with the stack	: Nil		Remarks:Nil	

Analyzed By:

Prepared By:

Signature

Name Designation. : Mr. Bipankar Mazumdar

: Executive Chemist

Signature

Designation.

: Mr.Gaurav Gogoi : Office Assistant Authorized Signatory ForMitra S.K. Private Lin

Signature

Name : Mc. Tajib 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 NABL & MOEF, 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

· /



Name & Address of the Customer		Report No.	: MSK/2023-24/2352
		Report Date	: 29.04.2024
"M/s OIL INDIA LIMITED		Nature of Sample	: Stack Emission
Duliajan, Dibrugarh, Assam-786602		Sample Mark	GCS HEBEDA GAON
	July Dioragana radian roots		: MSKGL/ED/2024-25/04/01117
Ref. No.: W.O. NO 812598	31 of Contract No. 6116895		
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date
19.01.2024 22.01.2024		22.01.2024	29.01.2024

	ANALYSIS	RESULT		
A.	General information about stack :	: DRENCHI	NG PUMP-3	
1.	Stack connected to	: WATER TANK		
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	: 190 HP		
B.	Physical characteristics of stack :			
1	Height of the stack from ground level	: 3.048 m		
2.	Diameter of the stack at sampling point	: 0.203 m		
3.	Area of Stack	: 0.00810 m2		
C.	Analysis/Characteristic of stack: 1. Fuel used : HSD Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (°C)	128		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.)	19.16	189	USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	413	1669	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)	0.154	≤ 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)	23.9	***	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (g/kW-hr)	0.261	≤ 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)	0.098	≤ 0.3	USEPA Part-17, 16/08/1996
E.	Pollution control device : Details of pollution control devices attached with the stack	: Nil		Remarks:Nil

Analyzed By:

Signature Name Designation.

: Mr. Dipankar Mazumdar

: Executive Chemist

Prepared By:

Signature Name Designation.

: Mr. Gaurav Gogoi : Office Assistant

Authorized Signatory ForMitra S.K. Private Limited

Signature Name

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 NABL & MOEF, Lab Address : P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015



Name & Address of the Customer "M/s OIL INDIA LIMITED"		Report No.	: MSK/2023-24/2353
		Report Date	: 29.04.2024
		Nature of Sample	: Stack Emission
Duliajan, Dibrugarh, Assam-786602		Sample Mark	: GCS HEBEDA GAON
		Sample Number	MSKGL/ED/2024-25/04/01118
Ref. No.:W.O. NO 812591	81 of Contract No. 6116895		
Date of Sampling Sample Received Date 19.01.2024 22.01.2024		Analysis Start Date	Analysis Complete Date
		22.01.2024	29.01.2024

ANALYSIS RESULT

A.	General information about stack :	: GEG-1		
1.	Stack connected to	: NIL		
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		
ŝ.	DG capacity	: 803 KW		
В.	Physical characteristics of stack :			
(a)	Height of the stack from ground level	: 3.048 m		
2.	Diameter of the stack at sampling point	: 0.203 m		
3,	Area of Stack	: 0.00810 m2		
C.	Analysis/Characteristic of stack: 1. Fuel used : NG			
D.	Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1	Temperature of emission (°C)	161		USEPA Part 2, 25.09.1996
		7/20		USEPA Part 2, 25,09,1996
2.	Barometric Pressure (mm of Hg)	762.0	***	USEPA Part 2, 23 09 1990
2. 3.	Velocity of gas (m/sec.)	20.91	14.	USEPA Part 2, 25,09,1996
		+		
3.	Velocity of gas (m/sec.)	20.91	10.	USEPA Part 2, 25.09.1996
3. 4.	Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr)	20.91 416		USEPA Part 2, 25.09 1996 USEPA Part 2, 25.09 1996
3. 4. 5.	Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v)	20.91 416 13.8		USEPA Part 2, 25.09, 1996 USEPA Part 2, 25.09, 1996 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014
3. 4. 5. 6.	Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3)	20.91 416 13.8 21.9	 ≤ 3.5	USEPA Part 2, 25.09, 1996 USEPA Part 2, 25.09, 1996 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014
3. 4. 5. 6.	Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v)	20.91 416 13.8 21.9 6.2	 ≤ 3.5	USEPA Part 2, 25.09, 1996 USEPA Part 2, 25.09, 1996 USEPA Part 2, 25.09, 1996 US:13270:1992 Reaff, 2014 US:13270:1992 Reaff, 2014 USEPA-29, 25/06/1996 USEPA Part-7, 12/03/1996 &
3. 4. 5. 6. 7.	Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v) Concentration of Sulphur Dioxide (mg/Nm3) Concentration of Nitrogen Oxide & Hydrocarbons	20.91 416 13.8 21.9 6.2 26.6	 ≤ 3.5	USEPA Part 2, 25.09 1996 USEPA Part 2, 25.09 1996 USEPA Part 2, 25.09 1996 US:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014 USEPA-29, 25/06/1996

Analyzed By:

Signature Name

Designation.

: Mr. Dipankar Mazumdar

Executive Chemist

Prepared By:

Signature Name

Designation.

: Mr.Gaurav Gogoi : Office Assistant

Authorized Signatory ForMitra S.K. P

Signature

Name 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 NABL & MOEF, Lab Address :P-48 Udayan Industrial Estate,3 Pagladanga Road Kol-700015

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





Name & Address of the Customer		: MSK/2023-24/2354
"M/s OIL INDIA LIMITED"		: 29.04.2024
	The second second second	#Stack Emission
786602		: GCS HEBEDA GAON
Duliajan, Dibrugarh, Assam-786602		: MSKGL/ED/2024-25/04/01119
1 of Contract No. 6116895		•
		Analysis Complete Date
		29.01.2024
		Report Date Nature of Sample Sample Mark Sample Number I of Contract No. 6116895 Sample Received Date Analysis Start Date

ANAL VOIC DECLIET

	ANALYSIS RE	<u>SULT</u>	<u> </u>	
A.	General information about stack :	: GEG-2		
1.	Stack connected to	NIL		
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	: 803 KW		
B.	Physical characteristics of stack :			
1.	Height of the stack from ground level	: 3.048 m		
2.	Diameter of the stack at sampling point	: 0.203 m		
3.	Area of Stack	: 0.00810 m2		
D.	Analysis/Characteristic of stack: 1. Fuel used : NG Result of sampling & analysis of gaseous emission	Result	Limit as per CPCB	Method
1.	Temperature of emission (°C)	168		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.)	20.03		USEPA Part 2, 25.09.1996
4.	Quantity of Gas Flow (Nm3/hr)	392		USEPA Part 2, 25.09, 1996
5.	Concentration of Oxygen (%v/v)	13.6	***	IS:13270 1992 Reaff, 2014
6.	Concentration of Carbon Monoxide (mg/Nm3)	21.9	≤ 3.5	IS:13270:1992 Reaff, 2014
7.	Concentration of Carbon Dioxide (%v/v)	6.2		IS:13270:1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	26.6	***	USEPA-29, 25/06/1996
9.	Concentration of Nitrogen Oxide & Hydrocarbons (mg/Nm3)	74.4	≤ 4.7	USEPA Part-7, 12/03/1996 & USEPA 18 -25.09 1996
10.	2.7.21	< 0.005	1222	USEPA-29, 25/06/1996
11.	Concentration of Particulate matter (mg/Nm3)	32.5	≤ 0.3	USEPA Part-17, 16/08/1996
E.	Pollution control device :			Remarks:Nil

Analyzed By:

Signature

: Mr. Dipankar Mazumdar

Designation. : Executive Chemist Prepared By:

Details of pollution control devices attached with the stack : Nil

Signature

Name

Designation.

Office Assistant

Authorized Signatury/A ForMitra S.K. P.

Signature

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 NABL & MOEF, 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



STATUS OF COMPLIANCE OF EC CONDITIONS

Installation: GCS-TENGAKHAT

Period: 01/10/2023-31/03/2024

EC No: F. No J-11011/682/2008-I A II(I) Dated 17.06.2013

HIM	A. Specific Condition			
SI No.	EC Condition	Compliance status/ Remark		
į	Prior clearance under the Wildlife (Protection) Act, 1972, should be obtained from the Standing Committee of the National Board for Wildlife as the project is located within 10 Km distance of Eco sensitive areas (Dehing Patkai WLS, Bherjan-Borajan-Podumoni WLS and Dibru-Saikhowa National Park).	NBWL clearance received vide letter No. WL/FG-35/Standing Committee NBWL dated 09.10.2014 & copy enclosed.		
ii	No facility shall be developed in forest land.	Complied		
iii	Adequate buffer zone around the oil and gas facilities, as may be required as per OISD or other statutory requirements.	Complied		
iv	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The company shall take necessary measures to prevent fire hazards and soil remediation as needed. At the place of ground flaring, the flare pit shall be lined with refractory bricks and efficient burning system. In case of overhead flare stacks, the stack height shall be provided as per the regulatory requirements and emissions from stacks shall meet the MOEF/CPCB guidelines.	Complied. Common flare is used for OCS-Tengakhat and GCS-Tengakhat		
V	Regular ambient air quality monitoring of PM ₁₀ , SO ₂ , NO _x , VOC _s and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations should be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum 3 ground level concentration and downwind direction of wind. If required, additional stations should be set up. It will be ensured that at least one monitoring station is set up in up-wind & in downwind direction along with those in other directions.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed.		
vi	Regular monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to Ministry's Regional Office at Shillong, CPCB and Assam Pollution Control Board.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed.		



vii	Vapor recovery system shall be installed to prevent leakage of vapor from tank/ vessels / processing and filling areas to ensure	Not Applicable No hydrocarbon storage
	no hydrocarbon vapors are released unchecked.	facility planned.
viii	Total fresh water requirement from ground water source shall not exceed 18 m ³ /day per GCS, 17 m ³ /day per FGS and around 15 m ³ /day per CGGS & OTP and prior permission shall be obtained from the CGWA/SGWA.	Complied. Water consumption is within the prescribed limit.
ix	The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system should be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted	Complied
X	Produced water/wastewater separated during processing in GCSs/FGSs/CGGS shall be treated in efficient Effluent Treatment Plants and then routed to the nearby oil collecting station for injection into underground structures at depth between 1000m to 1500 m. Water quality of treated effluent shall conform to CPCB standards. No effluent shall be discharged outside the premises of facilities	Being complied. Construction of ETP at Tengakhat is in progress where the produced water will be treated to the desired level and then reused for internal purpose.
xi	Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. should be followed. Company shall ensure no oil spillage occur during loading / unloading of petroleum products.	Complied
xii	The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste should be properly treated and disposed off in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Complied
xiii	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Complied DGMS approval available. On-site and Off-site Disaster Management Plans available and implemented.
xiv	The company shall obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.	Complied
XV	All storage tanks should be provided with design features based on applicable OISD standards.	Not Applicable. No storage tank planned.



xvi	No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.	Will be complied
xvii	Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Not Applicable Tank farm will not be
		constructed.
xviii	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	Complied
xix	Bottom oil sludge should be handled, stored and disposed as per CPCB/ MoEF guidelines. An action plan in this regard including bioremediation should be submitted to the Ministry and its Regional Office at Shillong within 3 months of issue of the letter.	Not Applicable. No tank installation is planned.
XX	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	Complied
xxi	Green belt should be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around POL depot should be ensured.	Being complied.
xxii	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 23rd August, 2011, 25th August, 2011 and 26th August, 2011 for the project shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	Complied
xxiii	At least 5 % of the total cost of the project shall be earmarked towards corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	The CSR Policy of the company is already in place and the same is being implemented in time bound phased manner as per government directive.
xxiv	Company shall prepare operating manual in respect of all activities. It should cover all safety & environment related issues and system measures to be taken for protection. One set of environmental manuals shall be made available at the drilling site/ project site. Awareness should be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Complied
XXV	Project proponent shall comply with the environment protection measures and safeguards recommended in the EIA/EMP/risk analysis report/disaster management plan.	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, Safe drinking water, medical health care, crèche etc. The housing may be in the form	Presently Not Applicable



of temporary structures to be removed after the completion of the project.

	B. General Condition			
SI No.	EC Condition	Compliance status/ Remark		
i	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied		
ii	No further expansion or modification 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.	Will be complied		
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 overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied		
V	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Being Complied		
vi	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Being Complied		
vii	The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied Monitored data enclosed.		



viii	A copy of clearance letter shall be sent by the proponent to	Complied
* 111	concerned Panchayat, Zila Parishad /Municipal Corporation,	Compiled
	Urban Local Body and the local NGO, if any, from whom	
	suggestions / representations, if any, were received while	
	processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	
ix	The project proponent shall upload the status of compliance of	Complied
	the stipulated environment clearance conditions, including	Compliance status including
	results of monitored data on their website and shall update the	monitored data is regularly
	same periodically. It shall simultaneously be sent to the	uploaded in company's
	Regional Office of the MOEF, the respective Zonal Office of CPCB and the PCB, Assam. The criteria pollutant levels	website and sent to concerned government
	namely; PM ₁₀ , SO ₂ , NO _x , CO, HC (Methane & Non-methane),	authorities. Monitored data
	VOC _s (ambient levels as well as stack emissions) or critical	is also enclosed herewith.
	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.	0 1 1
X	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental	Complied Monitored data enclosed.
	conditions including results of monitored data (both in hard	Wiomtored data enclosed.
	copies as well as by e-mail) to the Regional Office of MOEF,	
	the respective Zonal Office of CPCB and the PCB, Assam.	
	The Regional Office of this Ministry / CPCB / MPPCB shall	
	monitor the stipulated conditions.	Committee
xi	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the	Complied
	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	
xii	respective Regional Offices of the MOEF by e-mail.	Complied
XII	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry	Complied Copy of newspaper
	and copies of the clearance letter are available with the PCB,	advertisement forwarded
	Assam and may also be seen at Website of the Ministry of	with our Compliance Status
	Environment and Forests at http://envfor.nic.in. This shall be	Report submitted in April,
	advertised within seven days from the date of issue of the	2014.
	clearance letter, at least in two local newspapers that are	
	widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of	
	the same shall be forwarded to the Regional office.	
xiii	Project authorities shall inform the Regional office as well as	Complied
	the Ministry, the date of financial closure and final approval	Copy of newspaper
	of the project by the concerned authorities and the date of	advertisement forwarded
		with our Compliance Status



commencing the land development work. Same shall be	Report submitted in April,
forwarded to the Regional office.	2014.





Name &	Address of the Customer		Report No.: M	ISK/2023-24/2526		
24.00 0000			Report Date 28,02.2024			
"M/s OIL INDIA LIMITED",			Sample Descrip	otion : Ambient Air		
Duliajan	, Dibrugarh, Assam-786602		Sample Number	r: MSKGL/ED/2023-	-24/02/00434	
			Sampling Loca	tion : GCS TENGAL	KHAT	
Ref. No.	:W O. NO - 8125981 of Cont	ract No. 6116895	GPS Reading .	N 27°51′38″, E 95°42	2'53"	
Da	ate of Sampling	Sample Received Date	Analysi	s Start Date	Analysis C	omplete Date
	19.01.24	22.01.24	22	.01.24	29.	01.24
Environ	nental Conditions During S	ampling & Transport Co	ndition:Temperature	e: 22°C, Rain fall:	NO	
		<u>An</u>	alysis Result			
SI. No.	Test Paramete	F	Method	Unit	Results	CPCB Limit
l.	Particulate Matter (PM ₁₀)	IS : 5182 (Pa	art-23)-2006	(µg/m3)	66.8	100
2	Particulate Matter (PM25)	IS : 5182 (Pa	art-24)	(µg/m3)	41.8	60
3	Sulphur Dioxide (SO ₂)	IS : 5182 (Pa	art-2)-2001	(µg/m3)	7.5	80
4.:	Nitrogen Dioxide (NO ₂)	IS : 5182 (Pa	IS: 5182 (Part-6)-2006		20.7	80
5	Carbon Monoxide (CO)	IS 5182 : (Pa	IS 5182 : (Part-10) 1999		0.74	2
6.	Ozone (O ₃)	IS:5182 (Par Reaffirmed-	/	(µg/m3)	<20.0	180
7	Ammonia (NH ₁)	nia (NH ₁) IS 5182 (Part 25)		(µg/m3)	<10.0	400
8.	Lead (Pb)	USEPA IO-3	3.4	(µg/ m 3)	< 0.01	Ĭ
9.1	Nickel (Ni)	USEPA 10-3	3.4	(ng/m3)	<5.0	20
10.	Arsenic (As)	USEPA 10-3	3.4	(ng/m3)	<1.0	6
11.	Benzene (C ₆ H ₆)	IS 5182 : (Pa	urt 11) 2006	(µg/m3)	<4.2	5
12	Benzo(a)Pyrene (BaP)	IS 5182 (Pa	rt 12) 2004	(ng/m3)	<0.5	1
13,	Mercury (Hg)	USEPA IO-5	0	(µg/m3)	< 0.002	200
14.	Methane (Hydrocarbon)	IS 5182 : (Pa	IS 5182 : (Part 17)		1.80	
15.	Non-methane (Hydrocarbon	IS 5182 : (Pa	art 17)	ppm	<0.5	
16	Total Hydrocarbon	IS 5182 : (Pa	rt 17)	ppm	1.80	-4+
17.	Volatile Organic Compound	Is (VOC) IS 5182 : (PA	ART-11):2006	(μg/m3)	<4.2	The state of the s
imit as n	er CPCB notification, New D	elhi 18th Nov 2009 for Av	mhient air quality			

Analyzed By:

Prepared By:

Authorized Signatory Mitra S.K. Private Kirlite

Designation : Branc

Signature

Name

Signature Name Designation.

Mr. Dipankar Mazumdar

Signature Name

: Miss Jyosmita Borah

Designation.

: Office Assistant

The results relate only to the item(s) tested.

Executive Chemist

This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
Our Lab is Approved by NABL & MOEF, Lab Address: P-48 Ulayan Industrial Estate, 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





Name &	Address of the Customer		Report No.: M	SK/2023-24/2240		
			Report Date : 30.01.2024			
"M/s OIL INDIA LIMITED",			Sample Descrip	tion: Ambient Air		
Duliajan,	Dibrugarh, Assam-786602		Sample Number	: MSKGL/ED/2023-	24/01/00133	
			Sampling Loca	tion : GCS TENGAR	JHAT	
Ref. No.:	W.O. NO 8125981 of Contract No. 6	116895	GPS Reading:	N 27°51′38″, E 95°42	53"	
Da	ate of Sampling Sample	Received Date	Analysis	Start Date	Analysis Co	omplete Date
	18.12.2023 21	12.2023	21.1	2.2023	28.12	2.2023
Environ	nental Conditions During Sampling	& Transport Cond	ition :Temperature	: 22°C, Rain fall : 1	VO	101
		Anal	ysis Result		т.	
SI. No.	Test Parameter		Method	Unit	Results	CPCB Limi
1.	Particulate Matter (PM ₁₀)	IS: 5182 (Part	-23)-2006	(µg/m3)	59.6	100
2	Particulate Matter (PM _{2.5})	IS: 5182 (Part	-24)	(µg/m3)	33.1	60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part	-2)-2001	(µg/m3)	<6.0.	80
4:	Nitrogen Dioxide (NO2)	IS: 5182 (Part	IS: 5182 (Part-6)-2006		15.8	80
5	Carbon Monoxide (CO)	IS 5182 : (Part-10) 1999		(mg/m3)	0.62	2
6	Ozone (O ₃)	,	IS:5182 (Part-IX)-1974 Reaffirmed-2019		<20.0	180
7_	Ammonia (NH ₁)	IS 5182 (Part 2	(5): 2018	(µg/m3)	<10.0	400
8_	Lead (Pb)	USEPA IO-3.4	USEPA IO-3.4		< 0.01	1
9	Nickel (Ni)	USEPA IO-3.4		(ng/m3)	<5.0	20
10.	Arsenic (As)	USEPA 10-3.4		(ng/m3)	<1.0	6
11	Benzene (C ₆ H ₆)	IS 5182 : (Part	11) :2006	(µg/m3)	<4.2	- 5
12.	Benzo(a)Pyrene (BaP)	IS 5182 : (Part	12) :2004	(ng/m3)	<0.5	L. Ti
13	Mercury (Hg)	USEPA IO-5.0		(µg/m3)	<0.002	
14,	Methane (Hydrocarbon)	IS 5182 : (Part	17)	ppm	1.80	227 77
15	Non-methane (Hydrocarbon)	IS 5182 : (Part	17)	ppm	<0.5	11-
16.	Total Hydrocarbon	IS 5182 : (Part	ĺ7)	ppm	1.80	
17.	Volatile Organic Compounds (VOC)	IS 5182 : (PAF	RT-11):2006	(μg/m3)	<4.2	

Analyzed By:

Designation.

Signature

Name

: Mr. Dipankar Mazumdar : Executive Chemist

Prepared By:

Signature Name

Miss Jyosmita Borah Designation. Office Assistant

Authorized Signatory Mitra S.K. Private Limited

Signature Name

: Mr. Rajib Koy 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 NABL & MOEF, Lab Address: P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shruchi 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 Entail: info@mitrask.com. Website: www.mitrask.com





Name & Address of the Custome	er n	Report No. : MSK/2023-24/2067		
		Report Date : 30, 12, 2023 Sample Description : Ambient Air		
"M/s OIL INDIA LIMITED",				
Duliajan, Dibrugarh, Assam-786602		Sample Number : MSKGL/ED/2023-24/12/00563		
		Sampling Location : GCS TENG	AKIIAT	
Ref. No.:W.O. NO 8125981 o	f Contract No. 6116895	GPS Reading: N 27°51′38″, E 95	⁰ 42 ⁷ 53 ⁷	
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date	
16 11 2023	19 11 2023	19 11 2023	26 11 2023	

Environmental Conditions During Sampling & Transport Condition : Temperature : 27°C, Rain fall : NO

		Analysis Result			
SI. No.	Test Parameter	Method	Unit	Results	CPCB Limi
l.	Particulate Matter (PM ₁₀)	IS: 5182 (Part-23)-2006	(µg/m3)	74_6	100
2	Particulate Matter (PM23)	IS: 5182 (Part-24)	(µg/m3)	46.6	60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part-2)-2001	(μg/m3)	8.0	80
4	Nitrogen Dioxide (NO ₂)	IS: 5182 (Part-6)-2006	(µg/m3)	24 2	80
5	Carbon Monoxide (CO)	IS 5182 : (Part-10) 1999	(mg/m3)	0.66	2
6	Ozone (O ₃)	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m3)	23.5	180
7	Ammonia (NH ₁)	IS 5182 (Part 25) 2018	(μg/m3)	11.8	400
8.	Lead (Pb)	USEPA IO-3.4	(µg/m3)	< 0.01	30
9	Nickel (Ni)	USEPA 10-3 4	(ng/m3)	<5.0	20
10_	Arsenic (As)	USEPA IO-3,4	(ng/m3)	<1.0	6
11_	Benzene (C ₆ H ₆)	IS 5182 : (Part 11) :2006	(µg/m3)	<4.2	5
12	Benzo(a)Pyrene (BaP)	IS 5182 (Part 12):2004	(ng/m3)	<0.5	1
13	Mercury (Hg)	USEPA 10-5.0	(µg/m3)	<0 002	
14:	Methane (Hydrocarbon)	IS 5182 (Part 17)	ppm	1 80	1000
15	Non-methane (Hydrocarbon)	IS 5182 : (Part 17)	ppin	< 0.5	***
16_	Total Hydrocarbon	IS 5182 : (Part 17)	ppm	1 80	000
17_	Volatile Organic Compounds (VOC)	IS 5182 (PART-II):2006	(µg/m3)	<4.2	

Analyzed By:

Prepared By:

Authorized Signatory For Mitra S.K. Private Limited

Signature

: Mr. Dipankar Mazumdar

Signature

Miss Neeha Sarmah

Signature

Name Mr. PehitrRoy

Name Designation.

: Executive Chemist

Name Designation.

Office Assistant

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 NABL & MOEF, Lab Address : P-48 Udayan Industrial Estate, 3 Pagladanya 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

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



Name & Address of the Customer		Report No.: MSK/2023-24/1917		
WALL OIL INDIA LIMERED?		Report Date : 30.11.2023 Sample Description : Ambient Air		
"M/s OIL INDIA LIMITED"				
Duliajan, Dibrugarh, Assam-786602		Sample Number : MSKGL/ED/2023-24/11/00555		
		Sampling Location : GCS TENGAKHAT		
Ref. No.: W.O. NO 8125981 o	Ref. No.:W.O. NO 8125981 of Contract No. 6116895		042'53"	
Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date	
16.10.2023	19.10.2023	19.10.2023	26 10 2023	

		Analysis Result			
SI. No.	Test Parameter	Method	Unit	Results	CPCB Limit
1.	Particulate Matter (PM ₁₆)	IS: 5182 (Part-23)-2006	(µg/m3)	60 5	100
2	Particulate Matter (PM25)	IS: 5182 (Part-24)	(µg/m3)	35.6	60
3	Sulphur Dioxide (SO ₂)	IS: 5182 (Part-2)-2001	(µg/m3)	6.5	80
4	Nitrogen Dioxide (NO2)	IS: 5182 (Part-6)-2006	(µg/m3)	20.8	80
5	Carbon Monoxide (CO)	IS 5182 : (Part-10) : 1999	(mg/m3)	0 62	2
6	Ozone (O ₃)	IS:5182 (Part-IX)-1974 Reaffirmed-2019	(µg/m3)	<20 0	180
7	Ammonia (NH ₁)	IS 5182 (Part 25) 2018	(µg/m3)	<10 ()	400
8.	Lead (Pb)	USEPA IO-3 4	(μg/m3)	<0.01	1
9	Nickel (Ni)	USEPA IO-3.4	(ng/m3)	<5 0	20
10.	Arsenic (As)	USEPA IO-3 4	(ng/m3)	<1.0	6
11	Benzene (C ₆ H ₆)	IS 5182 : (Part 11) :2006	(µg/m3)	<4.2	5
12	Benzo(a)Pyrene (BaP)	IS 5182 : (Part 12) :2004	(ng/m3)	<0.5	1
13	Mercury (Hg)	USEPA 10-5 0	(µg/m3)	< 0.002	
14	Methane (Hydrocarbon)	IS 5182 (Part 17)	ppin	1 80	
15	Non-methane (Hydrocarbon)	IS 5182 : (Part 17)	ppm	<0.5	
16	Total Hydrocarbon	IS 5182 (Part 17)	ppm	1.80	
17	Volatile Organic Compounds (VOC)	IS 5182 (PAR I-11):2006	(µg/m3)	<42	

Analyzed By:

Prepared By:

Authorized Signatory For Mitra S.K. Private Limited

Signature Name Designation.

: Mr. Dipankar Mazumdar Executive Chemist

Signature Name

Designation.

Miss Neeha Sarmah Office Assistant

Signature Name

: Mr. Rajib 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 NABI. & M()EF, I.ab 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

Uttam Prodhan

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





Name & Address of the Customer "M/s OIL INDIA LIMITED"		: MSK/2023-24/2598 : 28.02.2024	
Duliajan, Dibrugarh, Assam-786602		GCS TENGAKHAT	
	Sample Number	: MSKGL/ED/2023-24/01/00642	
I of Contract No. 6116895		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Sample Received Date	Analysis Start Date	Analysis Complete Date	
22.01.2024		Analysis Complete Date	
25,01.2024	23 01 2024	30.01.2024	
,	786602	Report Date Nature of Sample Sample Mark Sample Number I of Contract No. 6116895 Sample Received Date Analysis Start Date	

ANALYSIS RESULT

Α.	General information about stack :	: GB-1			
1.	Stack connected to	: GAS COMPRESSOR			
2	Emission due to	: NG			
3.	Material of construction of Stack	- 1			
4.	Shape of Stack	: MS			
5.	Whether stack is provided with permanent platform & ladder	: Circular			
3.	DG capacity	: Yes			
3.	Physical characteristics of stack :	: N/A			
	Height of the stack from ground level	4 570			
. "	Diameter of the stack at sampling point	: 4.572 m			
_	Area of Stack	: 3.658 m			
C.	Analysis/Characteristic of stack:	: 0.03241m2			
88	1. Fuel used : NG				
D.	Result of sampling & analysis of gaseous emission	Result	Limit as	Method	
4			per CPCB		
f _{ic.}	Temperature of emission (°C)	212	per CFCB		
17.77	Temperature of emission (°C) Barometric Pressure (mm of Hg)	213		USEPA Part 2, 25.09.1996	
2.	Barometric Pressure (mm of Fig)	762.0		USEPA Part 2, 25.09.1996 USEPA Part 2, 25.09.1996	
2. 3.	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.)	762.0 24.88		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996	
2. 3. 1 .	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr)	762.0 24.88 1771		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996	
2 3 4	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v)	762.0 24.88 1771 13.8		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270:1992 Reaff, 2014	
2 3 4 5	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3)	762.0 24.88 1771 13.8 19.3		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014	
2 3. 4 5 6	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v)	762.0 24.88 1771 13.8 19.3 6.2		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014	
2 3 4 5 6 7	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v) Concentration of Sulphur Dioxide (mg/Nm3)	762.0 24.88 1771 13.8 19.3 6.2 21.5		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270:1992 Reaff, 2014 IS:13270:1992 Reaff, 2014	
2 3 4 5 7 3.	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v) Concentration of Sulphur Dioxide (mg/Nm3) Concentration of Nitrogen Oxide (ppmy)	762.0 24.88 1771 13.8 19.3 6.2 21.5 72.8		USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270 :1992 Reaff, 2014 IS:13270 :1992 Reaff, 2014 IS:13270 :1992 Reaff, 2014 USEPA-29, 25/06/1996	
2. 3. 4. 5. 6. 7. 3. 9.	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v) Concentration of Sulphur Dioxide (mg/Nm3) Concentration of Nitrogen Oxide (ppmv) Concentration of Lead (mg/Nm3)	762.0 24.88 1771 13.8 19.3 6.2 21.5 72.8 <0.005		USEPA Part 2, 25 09.1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270 :1992 Reaff, 2014 IS:13270 1992 Reaff, 2014 IS:13270 1992 Reaff, 2014	
3. 4. 5. 6. 7. 3. 9. 0.	Barometric Pressure (mm of Hg) Velocity of gas (m/sec.) Quantity of Gas Flow (Nm3/hr) Concentration of Oxygen (%v/v) Concentration of Carbon Monoxide (mg/Nm3) Concentration of Carbon Dioxide (%v/v) Concentration of Sulphur Dioxide (mg/Nm3) Concentration of Nitrogen Oxide (ppmy)	762.0 24.88 1771 13.8 19.3 6.2 21.5 72.8	 150 	USEPA Part 2, 25 09 1996 USEPA Part 2, 25 09 1996 IS:13270 :1992 Reaff, 2014 IS:13270 :1992 Reaff, 2014 IS:13270 :1992 Reaff, 2014 USEPA-29, 25/06/1996 USEPA Part-6, 25/09/1996	

Analyzed By:

Prepared By:

Authorized Signator ForMitra S.K. Priva

Signature

Name Designation.

Mr. Dipankar Mazumdar Executive Chemist

Signature Name

Designation.

: Miss Jyosmita Borah Office Assistant

Signature

Name

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 NABL & MOEF, 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





Name & Address of the Customer "M/s OIL INDIA LIMITED"		Report No.	: MSK/2023-24/2599 : 28.02.2024	
		Report Date		
Ouliajan, Dibrugarh, Assam-786602 Ref. No.: W.O. NO 8125981 of Contract No. 6116895		Nature of Sample	: Stack Emission	
		Sample Mark	GCS TENGAKHAT : MSKGL/ED/2023-24/01/00643	
		Sample Number		
Date of Sampling	Sample Received Date	A. I. i.o.		
20.01.2024		Analysis Start Date	Analysis Complete Date	
	23.01.2024	23,01.2024	30 01 2024	

ANALYSIS RESULT

A.	General information about stack :	3 KESUL I
1.	Stack connected to	: GB-2
2	Emission due to	: GAS COMPRESSOR
3.	Material of construction of Stack	: NG
4.	Shape of Stack	: MS
5.	Whether stack is provided with permanent platform & ladder	: Circular
6.	DG capacity & ladder	: Yes
B.	Physical characteristics of stack :	: N/A
1	Height of the stack from ground level	
2.	Diameter of the stack at sampling point	4.572 m
3.	Area of Stack	: 3.658 m
C.	Analysis/Characteristic of stack: 1. Fuel used : NG	0.03241m2

1.	Result of sampling & analysis of gaseous emission Temperature of emission (°C)	Result	Limit as per CPCB	Method
2.	Barometric Pressure (mm of Hg)	197		USEPA Part 2, 25 09 1996
3.	Velocity of gas (m/sec.)	762.0		USEPA Part 2, 25 09 1996
١.	Quantity of Gas Flow (Nm3/hr)	24.88	d	USEPA Part 2, 25.09 1996
	Concentration of Oxygen (%v/v)	1771		USEPA Part 2, 25 09 1996
	Concentration of Carbon Monoxide (mg/Nm3)	13.8	4	IS 13270 1992 Reaff, 201-
	Concentration of Carbon Dioxide (%v/v)	19.3	150	IS:13270:1992 Reaff. 2014
	Concentration of Sulphur Dioxide (mg/Nm3)	6.2		IS:13270:1992 Reaff, 2014
	Concentration of Nitrogen Oxide (ppmv)	21.5		USEPA-29, 25/06/1996
	Concentration of Lead (mg/Nm3)	72.8	360	USEPA Part-6, 25/09/1996
.	Concentration of Particulate matter (mg/Nm3)	< 0.005		USEPA-29, 25/06/1996
	Concentration of Hydrocarbons (ppm)	32.8		USEPA Part-17, 16/08/1996
i		< 0.0003		USEPA 18 -25 09 1996
ı	Pollution control device : Details of pollution control devices attached with the stack : N	lit		Remarks:Nil

Analyzed By:

Allegundry

Prepared By:

Authorized Signa ForMitra S.K. P

Signature

Name Designation.

Mr. Dipankar Mazumdar

Executive Chemist

Signature

Name

Miss Jyosmita Borah

Designation. Office Assistant Signature

Name

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 NABL & MOEF, 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





Name & Address of the Customer "M's OIL INDIA LIMITED"		: MSK/2023-24/2600 : 28.02,2024	
Duliajan, Dibrugarh, Assam-786602		GCS TENGAKHAT	
(11490a	Sample Number	: MSKGL/ED/2023-24/01/00644	
ived Date	Analysis Start Date	Analysis Complete Date	
024	23.01.2024	- Harrysis Complete Date	
	6116895 ived Date	Sample Mark Sample Number 6116895 ived Date Analysis Start Date	

ANALYSIS RESULT

A. General information about stack :	S RESULT		
Stack connected to	: GL-2		
2. Emission due to	: GAS COM	IPRESSOR	
and the to	: NG		
- Stack	: MS		
- Stack	Circular		
receiver stack is provided with permanent platform & ladde-	Yes		
O. DG capacity	: N/A		
Enystean characteristics of stack :			
The stack Hottl Pround level	: 4.572 m		
anpling point	3.658 m		
of Biller	: 0.03241m2		
C. Analysis/Characteristic of stack: I. Fuel used: NG			
D. Result of sampling & analysis of gaseous emission	Result	Limit as	
Temperature of emission (°C).		per CPCB	Method
2. Barometric Pressure (mm of Hg)	206		USEPA Part 2, 25.09, 1996
3. Velocity of gas (m/sec.)	762.0		USEPA Part 2, 25.09, 1996
4. Quantity of Gas Flow (Nm3/hr)	24.88	•••	USEPA Part 2, 25 09 1996
5. Concentration of Oxygen (%v/v)	1771		USEPA Part 2, 25,09,1996
6. Concentration of Carbon Monoxide (mg/Nm3)	13.8	•••	IS:13270:1992 Reaff, 201
7. Concentration of Carbon Dioxide (%v/v)	19.3	150	IS:13270:1992 Reaff, 201
3. Concentration of Sulphur Dioxide (mg/Nm3)	6.2	***	IS:13270 1992 Reaff. 201-
Concentration of Nitrogen Oxide (ppmv)	21.5	•••	USEPA-29, 25/06/1996
O. Concentration of Lead (mg Nm3)	72.8	360	USEPA Part-6, 25/09/1996
Concentration of Particulate matter (mg/Nm3)	< 0.005		USEPA-29, 25/06/1996
Concentration of Hydrocarbons (ppm)	32.8	75	USEPA Part-17, 16/08/199
	< 0.0003	100	USEPA 18 -25 09 1996
Pollution control device : Details of pollution control devices attached with the stack : I			Remarks: Nil

Analyzed By:

Prepared By:

Authorized Signatory ForMitra S.K. P

Signature

Name Designation.

: Mr. Dipankar Mazumdar Executive Chemist

Signature Name

Designation.

: Miss Jyosmita Borah : Office Assistant

Signature

Name 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 NABL & MOEF, 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





ame & Address of the	the state of the s	Report No.	: MSK/2023-24/2601	
M/s OIL INDIA LIMITED"		Report Date	: 28.02.2024	
uliajan, Dibrugarh, Assam-786602 ef. No. W O. NO - 8125981 of Contract No. 6116895		Nature of Sample	: Stack Emission	
		Sample Mark	: GCS TENGAKHAT : MSKGL/ED/2023-24/01/00645	
		Sample Number		
Date of Sampling	Sample Received Date			
20.01.2024		Analysis Start Date	Analysis Complete Date	
-5.5. 2524	23.01.2024	23.01,2024	30 01 2024	

ANALYSIS RESULT

A.	General information about stack :	SRESULT
1.	Stack connected to	: PORTABLE AIR COMPRESSOR-1
2	Emission due to	: AIR COMPRESSOR
3.	Material of construction of Stack	: HSD
	Shape of Stack	: MS
5.	Whether stack is provided with permanent platform & ladder	: Circular
+	DG capacity Ladder	: Yes
3.	Physical characteristics of stack:	: N/A
b :	Height of the stack from ground level	
	Diameter of the stack at sampling point	: 4.572 m
	Area of Stack	13.658 m
C.	Analysis/Characteristic of stack: 1. Fuel used : HSD	: 0.03241m2
D.	Result of sampling & analysis of gaseous emission	T

1.	Result of sampling & analysis of gaseous emission Temperature of emission (°C)	Result	Limit as per CPCB	Method
2.	Barometric Pressure (mm of Hg)	117		USEPA Part 2, 25 09 1996
3.	Velocity of gas (m/sec.)	762.0		USEPA Part 2, 25 09 1996
4	Quantity of Gas Flow (Nm3/hr)	18.73		USEPA Part 2, 25 09 1996
5.	Concentration of Oxygen (%v/v)	74		USEPA Part 2, 25 09 1996
6.	Concentration of Carbon Monoxide (mg/Nm3)	13.4		IS 13270 1992 Reaff, 2014
7	Concentration of Carbon Dioxide (%v/v)	21.5	150	IS 13270 1992 Reaff, 2014
8.	Concentration of Sulphur Dioxide (mg/Nm3)	5.2		IS:13270 1992 Reaff, 2014
9.	Concentration of Nitrogen Oxide (ppmv)	21.5		USEPA-29, 25/06/1996
0.	Concentration of Lead (mg \m3)	72.8	360	USEPA Part-6, 25/09/1996
1.	Concentration of Particulate matter (mg/Nm3)	< 0.005	***	USEPA-29, 25/06/1996
2.	Concentration of Hydrocarbons (ppm)	32.8	75	USEPA Part-17, 16/08/1996
Ε,	Pollution control device :	<0.0003	100	USEPA 18 -25 09 1996
	Details of pollution control devices attached with the stack : N			Remarks:Nil

Analyzed By:

Prepared By:

Authorized Signator ForMitra S.K. Priva

Signature Name Designation.

Mr. Dipankar Mazumdar Executive Chemist

Signature Name Designation.

Miss Jyosmita Borah Office Assistant

Signature

Name Designation : Branch

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 NABL & MOEF, Lab Address P-48 Udayan Industrial Estate, 3 Pagladanga Road Kol-700015

Head Office: Shrachi Centre (5th floor), 74B, A.J.C. Bosc 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





Name & Address of the Customer "M/s OIL INDIA LIMITED"		Report No.	: MSK/2023-24/2602	
		Report Date	28.02.2024	
Duliajan, Dibrugarh, Assam-786602 Ref. No.:WO NO 8125981 of Contract No. 6116895		Nature of Sample	: Stack Emission	
		Sample Mark	GCS TENGAKHAT : MSKGL/ED/2023-24/01/00646	
		Sample Number		
Data of C 1				
Date of Sampling Sample Received Date		Analysis Start Date		
20 01.2024	23.01.2024		Analysis Complete Date	
	25.51.2024	23.01.2024	30.01.2024	

A.	General information about stack :	SIS RESULT			
1.	Stack connected to	: PORTABLE AIR COMPRESSOR-2			
2.	Emission due to	: AIR COMPRESSOR			
3.	Material of construction of Stack	: HSD			
4.	Shape of Stack	: MS			
5.	Whether stack is provided with permanent platform & ladder	: Circular			
6.	DG capacity DG	: Yes			
В.	Physical characteristics of stack :	: N/A			
1,	Height of the stack from ground level				
2.	Diameter of the stack at sampling point	4.572 m			
3.	Area of Stack	: 3.658 m			
C.		: 0.03241m2			
	1. Fuel used : HSD				
D.	Result of sampling & analysis of gaseous emission				
1.		Result	Limit as	Method	
2.	Temperature of emission (°C)	103	per CPCB		
3.	Barometric Pressure (mm of Hg)	762.0		USEPA Part 2, 25 09.1996	
_	Velocity of gas (m/sec.)	18.6		USEPA Part 2, 25.09 1996	
4.	Quantity of Gas Flow (Nm3/hr)	77	•••	USEPA Part 2, 25 09 1996	
5.	Concentration of Oxygen (%v/v)	13.4	***	USEPA Part 2, 25.09.1996	
6.	Concentration of Carbon Monoxide (mg/Nm3)		***	IS:13270:1992 Reaff, 201-	
7.	Concentration of Carbon Dioxide (%v/v)	21.5	150	IS:13270:1992 Reaff, 2014	
8.	Concentration of Sulphur Dioxide (mg/Nm3)	5.2		IS:13270:1992 Reaff, 2014	
9.	Concentration of Nitrogen Oxide (ppmy)	21.5	ereta	USEPA-29, 25/06/1996	
0.	Concentration of Lead (mg Nm3)	72.8	360	USEPA Part-6, 25/09/1996	
1.	Concentration of Particulate matter (mg/Nm3)	< 0.005	***	USEPA-29, 25/06/1996	
2.	Concentration of Hydrocarbons (ppm)	32.8	75	USEPA Part-17, 16/08/1996	
		< 0.0003	100	USEPA 18 -25 09 1996	
į	Pollution control device : Details of pollution control devices attached with the stack : Nil Remarks: Nil				

Analyzed By:

Prepared By:

Authorized Signator ForMitra S.K. P

Signature

Name Designation.

Mr. Dipankar Mazumdar : Executive Chemist

Signature Name

Designation.

: Miss Jyosmita Borah Office Assistant

Signature

Name

Designation : Branc

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 NABL & MOEF, 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



Name of the Installation: CHABUA FGGS

EC No and date: F. No J-11011/682/2008-I A II(I) Dated 17.06.2013

Period of Compliance Report: October 2023 to March 2024.

	A. General Condition		
SI No.	- EC Condition	Compliance status/ Remark	
i	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied	
ii	No further expansion or modification 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.	Currently, no future expansion or modification has been planned. The same will be intimated and complied in case of such type of project in the future.	
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 overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied	
V	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Being Complied	
vi	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Being Complied	



	Y	
vii	The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied Monitored data enclosed.
viii	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied
ix	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 PCB, Assam. The criteria pollutant levels namely: PM10. SO2. NOx. CO. HC (Methane & Nonmethane), 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 Compliance status including monitored data is regularly uploaded in company's website and sent to concerned government authorities. Monitored data is also enclosed herewith.
X	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the PCB, Assam. The Regional Office of this Ministry / CPCB / MPPCB shall monitor the stipulated conditions.	Complied Monitored data enclosed.
xi	The environmental 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
xii	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 PCB, Assam and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the	Complied. Copy of newspaper advertisement forwarded with our Compliance Status Report submitted in April, 2014.



	vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.	
xiii	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. Same shall be forwarded to the Regional office.	Copy of newspaper advertisement forwarded

	B. Specific Condition		
SI No.	EC Condition	Compliance status/ Remark	
i	Prior clearance under the Wildlife (Protection) Act. 1972, should be obtained from the Standing Committee of the National Board for Wildlife as the project is located within 10 Km distance of Eco sensitive areas (Dehing Patkai WLS, Bherjan-Borajan-Podumoni WLS and Dibru-Saikhowa National Park).	NBWL clearance received vide letter No. WL/FG-35/Standing Committee NBWL dated 09.10.2014 & copy enclosed.	
ii	No facility shall be developed in forest land.	Complied	
iii	Adequate buffer zone around the oil and gas facilities, as may be required as per OISD or other statutory requirements.	Complied	
iv	The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The company shall take necessary measures to prevent fire hazards and soil remediation as needed. At the place of ground flaring, the flare pit shall be lined with refractory bricks and efficient burning system. In case of overhead flare stacks, the stack height shall be provided as per the regulatory requirements and emissions from stacks shall meet the MOEF/CPCB guidelines.	Complied	
V	Regular ambient air quality monitoring of PM10. SO2, NOx, VOCs and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations should be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum 3 ground level concentration and downwind direction of wind. If required, additional stations should be set up. It will be ensured that at least one monitoring station is set up in upwind & in down-wind direction along with those in other directions.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed.	



vi	Regular monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to Ministry's Regional Office at Shillong, CPCB and Assam Pollution Control Board.	Complied. Latest Report of Ambient Air Quality along with VOC and HC Monitoring is enclosed. Online Fire & Gas Detection System is also installed in this station.
vii	Vapor recovery system shall be installed to prevent leakage of vapor from tank/ vessels / processing and filling areas to ensure no hydrocarbon vapors are released unchecked.	Not Applicable Only 1 small test condensate gauge tank (32 m3) is installed but Currently Not in Operation. Therefore, no possibility of leakage of vapor exist.
viii	Total fresh water requirement from ground water source shall not exceed 18 m ³ /day per GCS. 17 m ³ /day per FGS and around 15 m ³ /day per CGGS & OTP and prior permission shall be obtained from the CGWA/SGWA.	Complied. Water consumption is within the prescribed limit.
ix	The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system should be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted	Complied
X	Produced water/wastewater separated during processing in GCSs/FGSs/CGGS shall be treated in efficient Effluent Treatment Plants and then routed to the nearby oil collecting station for injection into underground structures at depth between 1000m to 1500 m. Water quality of treated effluent shall conform to CPCB standards. No effluent shall be discharged outside the premises of facilities	No water/waste water is separated during processing in the FGGS. The condensate produced in the plant directly transported to nearby installation through pipeline. No effluent is produced or discharged outside the premises of the installation.
хi	Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. should be followed. Company shall ensure no oil spillage occur during loading / unloading of petroleum products.	Complied



xii	The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste should be properly treated and disposed off in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Complied
xiii	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Complied DGMS approval available. On-site and Off-site Disaster Management Plans available and implemented.
xiv	The company shall obtain all requisite clearances for fire safety and explosives and should comply with the stipulation made by the respective authorities.	Complied
XV	All storage tanks should be provided with design features based on applicable OISD standards.	Complied
xvi	No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.	Will be complied
xvii	Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.	Not Applicable Only 1 small test condensate gauge tank (32 m3) is installed which is not in operation.
xviii	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	Complied
xix	Bottom oil sludge should be handled, stored and disposed as per CPCB/ MoEF guidelines. An action plan in this regard including bioremediation should be submitted to the Ministry and its Regional Office at Shillong within 3 months of issue of the letter.	Secured, covered, impermeable sludge storage facility is already available and has already been intimated to MoEF.
XX	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	Complied
xxi	Green belt should be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around POL depot should be ensured.	Being complied. Green belt is being developed.



xxii	All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 23rd August, 2011, 25th August, 2011 and 26th August, 2011 for the project shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	Complied
xxiii	At least 5 % of the total cost of the project shall be earmarked towards corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	The CSR Policy of the company is already in place and the same is being implemented in time bound phased manner as per government directive.
xxiv	Company shall prepare operating manual in respect of all activities. It should cover all safety & environment related issues and system measures to be taken for protection. One set of environmental manuals shall be made available at the drilling site/ project site. Awareness should be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Complied
XXV	Project proponent shall comply with the environment protection measures and safeguards recommended in the EIA/EMP/risk analysis report/disaster management plan.	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. 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.	Presently Not Applicable

