

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

बोंगाइगॉन रिफाइनरी

संकेत : बालीगॉन - 783 385

मिठा : चिरांग (असम)

Indian Oil Corporation Limited

Bongaigaon Refinery

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रिफाइनरी ब्रानच
Refineries Division

REF: IOC/BGR/HSE/ECR-INDMAX&BS-VI/MoEF&CC/2024-25/02

Date: 30/06/25

To

The Regional Officer,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Guwahati,
4th Floor, House 1ed Building,
GS Road, Rukminigaon Guwahati-781022

Subject: 2nd Half Yearly Report for the period (1st Oct'24 to 31st March'25) for
BGR "INDMAX & BS-VI PROJECTS"

Reference: EC Reference: J-11011/48/2016-IA-II (I) Dt. 19.04.2017

Dear Sir,

With reference to above, we are enclosing the Six Monthly EC compliance Report for the period of 1st October'24 to 31st March'25 for your kind perusal.

The reports are being sent as per EIA Rules'2006 for the "Environmental Clearances" issued by MoEF&CC to Bongaigaon Refinery, (BGR) for "INDMAX & BS-VI PROJECTS"

Thanking you,

Yours faithfully,

(Biman Gogoi)

DGM (HSE)

O/P: 03664-25-3302

M-9435122647

Copy to:

1. Member Secretary, Pollution Control Board, Assam
Bamunimaidam, Guwahati - 781 021
2. Zonal Officer, Central Pollution Control Board
Eastern Zonal Office, 'TUM-SIR', Lower Martinagar,
Near Fire Brigade H.Q., Shillong - 793014

रजिस्टर्ड ऑफिस : सी-9, अली खान जंग मार्ग, बान्द्रा (पूर्व) मुम्बई - 400 051

रिफाइनरी विभाग : हेड क्वार्टर - इंडियन ऑयल भवन, स्कोप कॉम्प्लेक्स, कोर - 2, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110 003

Regd. Office : G-9, Ali Yavar Jung Marg, Bandra (East) Mumbai-400 051

Refineries Division : Head Quarter : Indian Oil Bhavan, SCOPE Complex, Core-2, 7, Institutional Area, Lodhi Road, New Delhi - 110 003

Half Yearly Report for BGR INDMAX & BS-VI Project
(1st October 2024 to 31st March 2025)



Submitted by:

Indian Oil Corporation Limited

Bongaigaon Refinery

PO: Dhaligaon, District: Chirang, Assam

(Signature)
O/HSE

Details of the Project

IOCL, the energy of India is contributing the nation in its development by means of employment generation and through CSR activity. For the development of the nation as well as the company and for Environment protection, IOCL is adding new plants for environment friendly and value-added products. IOCL, Bongaigaon Refinery has established a new unit, INDMAX for LPG maximization and BS-VI project for cleaner fuel.

To establish the new unit, EIA study was done by M/s ABC TECHNO LABS INDIA PVT. LTD, Chennai. Based on the EIA study, IOCL, BGR applied for EC to MoEF&CC on 31/05/2015.

Going through all the process and formalities, MoEF&CC granted EC No. J-11011/48/216-1A-II (T), Dated: 19th April 2017 to IOCL, BGR to establish following projects:

Sl. No.	Units	Date of Commissioning
1.	Refinery capacity enhancement from 2.35 MMTPA to 2.70 MMTPA	30.04.2021 (after commissioning of NHT Unit under BS-VI Project)
2.	INDMAX FCC Unit, 740 TMTA	07.11.2020
3.	Prime- G+/- BS-VI projects (Including SRU, SDS/ARU)	Prime G+/-: 05.12.2020 ARU: 30.10.2020 SDS: 30.04.2021 SRU: 24.06.2022
4.	DIHDT capacity enhancement from 1.2 MMTPA to 1.8 MMTPA	15.03.2020
5.	HGU Revamp (Capacity enhancement from 25 TMTA to 30 TMTA)	12.03.2020
6.	CRU-MSQ Revamp	With the commissioning of Prime- G+/- BS-VI projects

Compliance report for the above projects is listed below:

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BGR INDMAX & BS-VI PROJECTS: EC CONDITIONS, COMPLIANCE STATUS.

EC Reference: J-11011/48/2016-IA-II (I) Dt. 19.04.2017

(1st October 2024 to 31st March 2025)

INDEX:

Sl. No	Conditions	Status
1.	General Conditions and Compliance status of INDMAX & BS-VI Projects	Annexure- A
2.	Six monthly Stack Monitoring/ Air Quality Data	Furnished in Appendix-A1
3.	Six monthly Effluent discharged Quantity, Quality	Furnished in Appendix-A2
4.	Tree Plantation Data	Furnished in Appendix-A3
5.	Quarterly Fugitive Emission Data	Furnished in Appendix-A4
6.	Annual return of Hazardous Waste	Furnished in Appendix-A5(a)
7.	Authorization from PCBA under Hazardous Waste (Management, Handling and Transboundary Movement Rules 2008)	Furnished in Appendix-A5(b)
8.	Details of Wastewater treatment and disposal system	Furnished in Appendix-A6
9.	Quarterly Noise Survey Report.	Furnished in Appendix-A7
10.	Status of Rainwater Harvesting	Furnished in Appendix-A8
11.	Screen Shot of IOCL Website upload of report	Furnished in Appendix-A9
12.	NABL certificate of QC Lab of Bongaigaon Refinery	Furnished in Appendix-A10
13.	Employees Occupational Health Checkup Status	Furnished in Appendix-A11
14.	Flare system.	Furnished in Appendix-A12

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1.0 BGR INDMAX & BS-VI PROJECTS: EC CONDITIONS, COMPLIANCE STATUS, EC
Reference: J-11011/48/2016-IA-II (I) Dt. 19.04.2017

(1st October 2024 to 31st March 2025)

Special Conditions:

Sl. No.	Condition	Compliance Status
(i)	All pollution control and monitoring equipment's shall be installed, tested and interlocked with the process. SPCB shall grant 'Consent to Operate' after ensuring that all the mentioned pollution control equipment's construction of storm water drain, rainwater harvesting structure, Greenbelt, uploading of compliance report on the website etc have been implemented.	Complied Total 20 nos. of SOx, NOx, CO and PM analyzers have been installed in all 5 stacks of - 1. ATP Splitter Reboiler 2. New NHT furnace 3. New SRU furnace 4. INDMAX Flue Gas Boiler 5. Prime G-; 2nos. new furnaces with a common stack (102-F-01 & 102-F-02) • CTO "Consent to Operate" for commissioning projects issued by PCBA vide letter no. WB/BONG/T-2266/pt-1/08-09/51/580, dated 15/10/2020. • "Consent to Operate" for whole refinery including all commissioned Projects has been renewed by PCBA with validity period till 31/03/2027 vide letter no. WB/BONG/T-2266/08-09/58/154 dated 25/04/2022. • All the units of the Project were commissioned successfully. • Construction of storm water drains in the project area completed • Two roof top RWH schemes were commissioned in the new project and under function. This is in addition to total 21 nos. of RWH schemes for ground water recharge already existing in BGR combining both refinery and township. • Details of setting up of green belt in different phases (Phase-I & II) ☐ Phase-1: 10000 saplings planted in newly developed green belt area (Old debris yard area) during May-July 2017. Photograph of the green belt attached. <u>Details of plantation done in and around the complex, since 2017-18</u> ❖ Year 2017-18: 29600 nos. of saplings ❖ Year 2018-19: 30060 nos. of saplings ❖ Year 2019-20: 14340 nos. of saplings ❖ Year 2020-21: 25606 nos. of saplings ❖ Year 2021-22: 1,00,000 nos. of saplings (Including outside location from the refinery, township & North side of the INDMAX Unit: 11,500 saplings planted) ❖ Year 2022-23: 27610 nos. of saplings planted ❖ Year 2023-24: 100630 nos. of saplings planted ❖ Year 2024-25: 107530 nos. of sapling planted ☐ Phase-2: Plantation will be continued in the following areas:

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Sl. No.	Condition	Compliance Status
		Surroundings of PSF Building area Uploading of EC compliance status report on the website is in practice. See (Appendix-A9).
(ii)	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16th September 2009. The levels of PM10, PM2.5, SO2, NOx, VOC and CO shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company or at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF&CC, the respective Zonal office of CPCB and the state Pollution Control Board (SPCB).	- Online Ambient air quality data & Stack emission monitoring data of the existing units including new units via INDMAX, Prime-G, NHT and New SRU (SRU-II) are being displayed at BGR Main Gate. - DHDT ATF furnace has not been commissioned till now. The results of monitored data are uploaded on IOCL website. - Half yearly status reports for the running units are submitted in the month of December and June to the Regional office of MoEF&CC, the Zonal office of CPCB and the State Pollution Control Board (SPCB) regularly
(iii)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/ materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the SPCB.	Fugitive emissions are monitored from all vulnerable sources (i.e. Glands, flanges, pump seal etc) and rectification is carried out if leakage is observed. Quarterly fugitive emissions Survey is being carried out regularly in the work zone environment, product, raw materials storage area etc. and confirm the emission limits stipulated by as per SPCB norms. The quarterly fugitive emission reports for the period of 1st October 2024 to 31st March 2025 are attached as Appendix-A4 All liquid and gaseous products and chemicals are handled in the closed system. Water sprinkling system is being taken care of at loading area to control dust emission.
(iv)	The project proponent shall take due care and adopt best practices to ensure that there is no oil spill. However, to meet with any unforeseen situation and combat the oil spill, the PP shall prepare the Oil Spill Disaster Contingency Plan in line with the provisions of the National Oil Spill Disaster Contingency Plan. Regular mock drills shall also be conducted.	Approved Emergency Response & Disaster Management Plan (ERDMP) is in place at BGR to handle any unforeseen situation due to oil spill and mock drills (on-site & off-site) conducted quarterly on various emergency scenarios. Onsite & offsite Mock drills for FY 24-25 (Q-1, Q-2, Q-3 & Q-4) conducted on 22/06/24, 25/09/24, 31/12/2024 & 07/03/2025 respectively.
(v)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution.	Complied The gaseous emission from DG set is dispersed through adequate stack height (3.0m as per CPCB standards). However, DG set is not available for the new projects.
(vi)	Total freshwater requirement from existing source shall not exceed 370m ³ /hr and prior permission shall be obtained from the Competent Authority. No ground water shall be used without permission.	CGWA has issued NOC No: CGWA/NOC/IND/ORIG/2023/18583, Dated: 24/05/2023, Valid from 21/04/2021 to 20/04/2024 Renewal for NOC from CGWA for ground water extraction for Fresh water requirement for refinery use applied. Application No: 21-4/ 1306 /AS / IND/2021, dated: 04/04/2024.
(vii)	Waste water shall be treated in ETP. The treated effluent water shall be reused as make	Wastewater is treated in ETP and further polished in TIP.

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Sl. No.	Condition	Compliance Status
	up water for cooling tower and green belt development. No Effluent shall be discharged outside the plant premises.	h. The treated effluent water is reused as make up water for cooling towers, Fire water header, housekeeping and horticulture. u. No effluent is discharged outside the plant premises.
(viii)	Automatic / online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.	Online Continuous treated effluent monitoring system for flow measurement and relevant pollutants in the treatment system are available. Online data is made available to CPCB and SPCB and rolling displayed at BGR main gate. Data also uploaded to the company's website along with the six-monthly compliance report.
(ix)	Adequate odour management plan and its mitigation measure to be implemented on priority.	Adequate odour management plan and its mitigation measure had been implemented along with the project.
(x)	Regular VOC monitoring to be done at vulnerable points.	Occupational Health section monitors the VOC at different vulnerable areas in the Refinery on monthly basis.
(xi)	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit.	The oily sludge is processed in melting pit for oil recovery and stored in brick lined sludge lagoon. Oily sludge from lagoon is processed for recovery of oil regularly. A third party is engaged for processing of the oily sludge & recovery of oil from the oily sludge stored in the sludge lagoon. During 1 st October 2024 to 31 st March 2025, 1525.00 MT of oily sludge has been processed by mechanized processing.
(xii)	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MoEF&CC. Outcome from the report to be implemented for conservation scheme.	Complied. - M/s EIL conducted a comprehensive water audit & final report submitted. - Action plan formulated and implemented phase-wise of short- & long-term conservation schemes. - Water Audit conducted in the month of February '24 and submitted to CGWA for NOC renewal application.
(xiii)	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Complied Oil catchers/ oil traps are already there in the existing storm water channel and have been installed in rain/ storm water drainage system in the new project also. One additional oil catcher/oil trap system provided in rain/storm water drain channel along with project
(xiv)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.	Complied Hazardous chemicals are stored in tanks and drums.
		Complied Flame arresters are installed as per design of tanks in tank farm.
		Installation of solvent transfer pumps is completed.
(xv)	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained.	Hazardous by-products generated from commissioned units will be subjected to pretreatment facility in EPT facility being set up in the complex. Post pretreatment, the effluents containing hazardous by-products will undergo treatment in main effluent treatment of refinery complex (WWTP & TTP) for meeting the MINAS as per statutory guidelines.
(xvi)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 are complied.
		Transportation of Hazardous Chemicals is followed as per the Motor Vehicle Act (MVA), 1989.

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Sl. No.	Condition	Compliance Status
xvii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms	Gas detectors with Hooters installed and commissioned in DHDT Revamp, HGU Revamp, INDMAX FCCU, Prime G+, NHT and ARII. Gas detectors also installed in SRU. Firefighting system installed as per OISD-STD-116 and commissioned.
(xviii)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Occupational health surveillance of the workers is done on a regular basis and records maintained as per the Factories Act. Details attached as Appendix-A II.
(xix)	At least 2.5 % of the total cost of the project shall be committed towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup /details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	As per MoEF&CC guideline dtd. 1 st May 2018, ESC has been replaced with CER (Corporate Environment Responsibility). Expenditure incurred under CSR for the year: 2016-17: INR 304.84 lakhs 2017-18: INR 740.95 lakhs 2018-19: INR 960.00 lakhs 2019-20: INR 916.08 lakhs 2020-21: INR 184.66 lakhs 2021-22: INR 681.41 lakh 2022-23: INR 667.54 lakhs 2023-24: INR 1063.43 lakhs 2024-25: INR 520.89 lakhs
(xx)	A regular Environment Manager, having post graduate qualification in environmental sciences/ environmental engineering, to be appointed for looking after the environmental management practices in the plant.	HSE dept. had officer with one year PG Diploma course on Env. Management from Tezpur University complying to EC condition. The officer is posted in Panipat refinery from May'22 as per IOCL transfer posting policy for officers having served one location for more than 5-6 years. 2 nos. of Chemical engineers with rich experience in operations and Technical services have been posted in HSE dept. for environmental monitoring jobs to occupy the role of outgoing officer. Further, HSE dept. puts constant effort for ensuring proper environmental management practices in the plant by both direct monitoring and by engaging MoEF&CC accredited external environmental monitoring agencies. The EC condition therefore may be considered as complied.
(xxi)	As proposed, green belt over 33% shall be developed within plant premises with at least 10 meter wide green belt (perennial trees) on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	* Details of setting up of green belt in different phases (Phase-I & II) ☐ Phase-I: 10000 saplings planted in newly developed green belt area (Old debris yard area) during May-July 2017. Photograph of the green belt attached. <u>Details of plantation done in and around the complex, since 2017-18</u> ❖ Year 2017-18: 29600 nos. of saplings ❖ Year 2018-19: 30060 nos. of saplings ❖ Year 2019-20: 14340 nos. of saplings ❖ Year 2020-21: 25606 nos. of saplings ❖ Year 2021-22: 1,00,000 nos. of saplings (Including outside location from the refinery, township & North side of the INDMAX Unit: 11,500 saplings planted) ❖ Year 2022-23: 27610 nos. of saplings planted ❖ Year 2023-24: 100630 nos. of saplings planted

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Sl. No.	Condition	Compliance Status
		❖ Year 2024-25: 107530 nos. of sapling planted ❑ Phase-2: Plantation will be continued in the following areas: Surroundings of PSF Building area Uploading of EC compliance status report on the website is in practice. See (Appendix-A9).

EC GENERAL CONDITIONS:

Sl. No.	Condition	Compliance Status
(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.	Strict adherence to stipulations made by Statutory authorities complied along with project implementation.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and 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.	Noted and being complied.
(iii)	The location of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	• 4(Four) manual ambient air quality monitoring stations (2 at upwind & 2 at down wind direction) are installed inside the refinery complex in consultation with the State Pollution Control Board. • 1(One) manual ambient air quality monitoring station is in BGR township. • 1(One) more continuous ambient air quality monitoring station is in BGR Township. Real time data from the same is being shared with / transmitted to CPCB/PCBA.
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16 th November 2009 shall be followed.	NAAQES issued by the Ministry is being followed & complied.
(v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied. a) Taken care during project implementation. b) Quarterly Noise Survey is being carried out regularly to check noise level. Quarterly Noise survey report for the period of 1st October 2024 to 31st March, 2025 is attached as Appendix A7.
(vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	• 2(Two) roof top RWH schemes commissioned in the new project • This is in addition to total 21 nos. of RWH schemes, including one in storm water channel for ground water recharge, already existing in BGR combining both refinery and township. • Total 45 nos. of Rainwater Harvesting Projects have been implemented so far in BGR covering area of 66057.05m² potential rainwater harvesting volume of 190905.5m³. • Storm water is being collected in the Eco-Pond for ground water recharge and use the same in the projects to the extent possible.

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(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training on safe handling of chemicals is imparted to all employees. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis. • Details of occupational health checkup (OHC) attached as Appendix-A11.
(viii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	• Environmental protection measures and safeguards as recommended in EIA have been complied and implemented along with commissioning of the project.
(ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Measures for improving the socio-economic condition of the surrounding area is undertaken under CSR actively on yearly basis. Expenditure incurred under CSR for the year: 2016-17: INR 304.84 lakhs 2017-18: INR 740.95 lakhs 2018-19: INR 960.00 lakhs 2019-20: INR 916.08 lakhs 2020-21: INR 184.66 lakhs 2021-22: INR 681.41 lakh 2022-23: INR 667.54 lakhs 2023-24: INR 1063.43 lakhs 2024-25: INR 520.89 lakhs
(x)	The company shall undertake coo-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Measures are being undertaken in the nearby villages of the project area under CER. Expenditure incurred under CER for the year 2024-25: INR 520.89 lakhs
(xi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Already exists. • BGR is having a separate environmental monitoring dept. (HSE dept.) and a full-fledged Quality control laboratory to carry-out environment management and monitoring functions. BGR Environment Laboratory is accredited by NABL Appendix-A 10
(xii)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purposes.	Fund is earmarked and available per annum for compliance of jobs pertaining to EC conditions. • No fund is diverted for any other purposes
(xiii)	A copy of the clearance letter shall be sent by the project 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.	Not Applicable. However, the clearance dated 19.04.2017 has been published in local dailies, "The Sentinel" and "Amar Asom" on 27.04.2017.

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(xiv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and concerned SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Noted and being complied. Soft copy of last six monthly compliance reports was submitted and the same has been uploaded in IOCL website Appendix-A9
(xv)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Noted and under compliance. Appendix-A9
(xvi)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moefnic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. • The granting of Environment clearance dated 19.04.2017 has been published in "The Sentinel" and "Amar Asom" on 27.04.2017. The copy of the publication was forwarded to the Regional office of MoEF&CC, Shillong and SPCB office on 08.05.2017.
(xvii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Date of final approval and the date of start of the project were informed to the Regional office as well as Ministry vide letter dtd. 08.05.2017. • Financial closure of the Project is not yet completed due to some legal issues with the vendors/contractors.

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2.0 APPENDIX -A1

STACK MONITORING DATA: (1st October 2024 to 31st March 2025)

A. SO₂ Emission (mg/Nm³)

Stacks	Emission Std.	Observed value		
		Min	Avg.	Max
CDU-I	For Existing Refineries For F.O. = 1700 For F.G. = 50 For New Refineries For F.O. = 850 For F.G. = 50	4.12	36.3	376.06
DCU-I		9.0	19.32	32.0
CDU-II		2.92	5.21	21.20
DCU-II		0.27	5.97	45.81
CPP		0.0	10.24	27.68
HOT-1		0.12	104.58	283.75
Reformer		34.96	35.00	35.06
HOT-2		Shut Down		
Isomerization		0.06	4.73	17.85
DHDT		7.0	8.41	10.15
HGU		6.05	6.97	11.70
NEW SRU		312.0	312.0	312.0
GTG		0.01	8.28	14.38
IGHDS		2.02	6.96	129.30
NHT		6.98	7.0	7.05
INDMAX		1.99	16.26	31.09

B. NO_x Emission (mg/Nm³)

Stacks	Emission Std.	Observed value		
		Min	Avg.	Max
CDU-I	For Existing Refineries For F.O. = 450 For F.G. = 350 For New Refineries For F.O. = 250 For F.G. = 250	3.2	18.63	38.62
DCU-I		5.01	21.78	39.03
CDU-II		6.91	30.63	199.18
DCU-II		13.28	13.54	13.68
CPP		33.48	33.50	33.52
HO-1		0.81	79.84	114.62
Reformer		33.99	34.65	37.19
HO-2		Shut Down		
Isomerization		5.26	7.90	10.22
DHDT		4.39	5.66	7.25
HGU		6.72	24.77	67.22
NEW SRU		N/A		
GTG		15.99	16.02	16.31
IGHDS		17.97	38.44	76.54
NHT		NR	NR	NR
INDMAX		13.54	22.26	22.39

Gradhali
CM(HSE)

C. PM Emission (mg/Nm³)

Stacks	Emission Std.	Observed value		
		Min	Avg.	Max
CDU-I	For Existing Refineries For F.O. = 100 For F.G. = 10 For New Refineries For F.O. = 50 For F.G. = 5	0.9	4.4	17.3
DCU-I		0.7	0.7	0.7
CDU-II		0.9	1.0	1.0
DCU-II		8.1	8.1	8.1
CPP		1.4	1.6	1.7
HO-1		1.6	9.1	24.7
Reformer		2.7	2.7	2.7
HO-2		Shut Down		
Isomerisation		1.3	1.3	1.3
DHDT		2.3	2.3	2.3
HCU		8.8	22.0	33.8
NEW SRU		7.4	7.4	7.4
GTG		0.2	10.0	14.0
IGHDS		0.8	0.9	0.9
NHT		7.1	8.0	8.2
INDMAX		0.0	12.7	27.0

D. CO Emission (mg/Nm³)

Stacks	Emission Std.	Observed value		
		Min	Avg.	Max
CDU-I	For Existing Refineries For F.O. = 100 For F.G. = 150 For New Refineries For F.O. = 150 For F.G. = 100	9.3	10	73.7
DCU-I		1.8	3.0	4.3
CDU-II		0	10.5	70.8
DCU-II		2.0	2.0	2.0
CPP		18.0	18.0	18.0
HO 1		14.9	18.0	157.1
Reformer		12.5	13.0	14.3
HO 2		Shut Down		
Isomerisation		12.0	15.8	20.2
DHDT		2.7	6.3	10.8
HCU		9.6	20.1	34.0
NEW SRU		29	29	29
GTG		0.8	4.8	10.7
IGHDS		2.0	3.3	6.6
NHT		18.2	20.1	22.3
INDMAX		0.0	5.2	6.3

Gandhi
CMCHSE)

E. Ni + V Emission (mg/Nm³)

Stacks	Emission Std.	Observed value		
		Min	Avg.	Max
CDU-I	For F.O. = 5	BDL	BDL	BDL
DCU-I		BDL	BDL	BDL
CDU-II		BDL	BDL	BDL
DCU-II		BDL	BDL	BDL
CPP		BDL	BDL	BDL
HO-1		BDL	BDL	BDL
Reformer		BDL	BDL	BDL
HO-2		BDL	BDL	BDL
Isomerisation		Shut Down		
DHDT		BDL	BDL	BDL
HCU		BDL	BDL	BDL
NEW SRU		BDL	BDL	BDL
GTG		BDL	BDL	BDL
IGHDS		BDL	BDL	BDL
NHT		BDL	BDL	BDL
INDMAX		BDL	BDL	BDL

AMBIENT AIR QUALITY AROUND BGR COMPLEX

(1st October 2024 to 31st March 2025)

	Station	Continuous Monitoring Station	Near Tube Well No.14	Near LPG Bottling plant	Rural Health Centre	Bartola Rail Gate	Near TW No.7 in Township
1	SO ₂ (Std. 50/80 µg/m ³)						
	Min	0.69	18.9	16.4	21.5	20.7	16.48
	Average	1.51	23.61	21.06	27.7	25.46	20.81
	Max	7.34	28.50	25.60	34.6	31.8	26.6
	No. of observation	Continuous	53	53	53	53	53
2	NO ₂ (Std. 40/80 µg/m ³)						
	Min	2.59	24.6	18.8	23.4	22.5	18.5
	Average	2.60	30.8	26.2	33.8	32.9	25.3
	Max	2.61	35.1	32.3	41.0	39.4	33.2
	No. of observation	Continuous	53	53	53	53	53
3	PM-10 (Std. 60/100 µg/m ³)						
	Min	24.18	70.8	68.4	65.4	70.9	46.8
	Average	31.30	80.3	79.1	84.7	83.3	61.5
	Max	50.25	89.9	87.7	96.4	92.3	86.8
	No. of observation	Continuous	53	53	53	53	53

G. M. (HSE)

	Station	Continuous Monitoring Station	Near Tube Well No.14	Near LPG Bottling plant	Rural Health Centre	Bartola Rail Gate	Near TW No.7 in Township
4	PM-2.5 (Std. 40/60 $\mu\text{g}/\text{m}^3$)						
	Min	8.87	25.3	23.1	27.2	27.8	21.5
	Average	19.36	30.2	28.1	37.4	32.5	26.2
	Max	41.51	36.8	32.9	43.2	37.8	31.2
	No. of observation	Continuous	53	53	53	53	53
5	Ammonia (Std. 100/400 $\mu\text{g}/\text{m}^3$)						
	Min	0.69	27.4	20.9	27.1	28.8	21.2
	Average	1.51	33.2	29.8	38.0	35.7	29.2
	Max	7.34	42.2	38.8	48.2	45.6	38.4
	No. of observation	Continuous	53	53	53	53	53
6	Pb (Std. 0.5/1.0 $\mu\text{g}/\text{m}^3$)						
	Min		BDL	BDL	BDL	BDL	BDL
	Average		BDL	BDL	BDL	BDL	BDL
	Max		BDL	BDL	BDL	BDL	BDL
	No. of observation		53	53	53	53	53
7	Arsenic (As) (Std. 6 ng/m^3)						
	Min		BDL	BDL	BDL	BDL	BDL
	Average		BDL	BDL	BDL	BDL	BDL
	Max		BDL	BDL	BDL	BDL	BDL
	No. of observation		53	53	53	53	53
8	Ni (Std. 20 ng/m^3)						
	Min		BDL	BDL	BDL	BDL	BDL
	Average		BDL	BDL	BDL	BDL	BDL
	Max		BDL	BDL	BDL	BDL	BDL
	No. of observation		53	53	53	53	53
9	CO (Std. 2/4 mg/m^3)						
	Min	0.99	1.02	0.95	0.25	1.05	0.98
	Average	1.05	1.23	1.16	1.33	1.27	1.17
	Max	1.33	1.39	1.29	1.64	1.47	1.39
	No. of observation	Continuous	53	53	53	53	53

Signature
CMCHSE

	Station	Continuous Monitoring Station	Near Tube Well No.14	Near LPG Boiling plant	Rural Health Centre	Bartola Rail Gate	Near TW No.7 in Township					
10	Ozone (Std.100/180 $\mu\text{g}/\text{m}^3$ for 8 hrs/1 hr)											
	Min	34.96	18.5	15.4	19.4	20.2	14.2					
	Average	35.03	23.7	21.1	27.9	25.8	20.1					
	Max	35.09	31.2	25.5	34.1	31.5	31.2					
	No. of observation	Continuous	53	53	53	53	53					
11	Benzene (Std. 5 $\mu\text{g}/\text{m}^3$)											
	Min	0.55	BDL	BDL	BDL	BDL	BDL					
	Average	0.65	BDL	BDL	BDL	BDL	BDL					
	Max	0.69	BDL	BDL	BDL	BDL	BDL					
	No. of observation	Continuous	53	53	53	53	53					
12	Benzo (a) Pyrene (Std. 1 ng/m^3)											
	Min		BDL	BDL	BDL	BDL	BDL					
	Average		BDL	BDL	BDL	BDL	BDL					
	Max		BDL	BDL	BDL	BDL	BDL					
	No. of observation		53	53	53	53	53					
Average of Six Stations												
Parameter	SO ₂	NO _x	PM-10	PM-2.5	NH ₃	Pb	As	Ni	Benzo (a) Pyrene	CO	C ₆ H ₆	O ₃
Unit	$\mu\text{g}/\text{m}^3$						ng/m^3			mg/m^3	$\mu\text{g}/\text{m}^3$	
NAAQ Std. 2009	50/ 80	40/ 80	60/ 100	40/ 60	100/ 400	0.5/ 1.0	Max 6	Max 20	Max 1	2/4	Max 5	100/ 180
Min	0.69	2.59	24.18	8.87	1.69	BDL	BDL	BDL	BDL	0.25	0.55	14.20
Average	20.03	25.28	70.03	28.95	27.94	BDL	BDL	BDL	BDL	1.20	0.65	25.58
Max	34.60	41.0	96.40	43.20	48.20	BDL	BDL	BDL	BDL	1.64	0.69	35.09


 G. K. Khatiwada
 C.M.(HSE)

3.0 APPENDIX-A2

Effluent Discharged (in m³/hr): (1st October 2024 to 31st March 2025)

A	Industrial Effluent, m ³ /hr	108.31
B	Domestic Effluent from BGR Township, m ³ /hr	66.69
C	Total Effluent Treated (A + B), m ³ /hr	175
D	Treated Effluent Reused, m ³ /hr	175
E	Effluent Discharged, m ³ /hr	0.00
F	m ³ of Effluent discharged for 1000 MT of Crude processed	0.00

A. Treated Effluent Quality
(1st October 2024 to 31st March 2025)

Sl. No	Parameter	Std, 2008	Min	Avg.	Max
1	pH value	6.0 - 8.5	6.5	7.2	8.5
2	Oil and Grease, mg/l	5.0	1.6	3.5	4.9
3	Bio-Chemical Oxygen Demand (3 Day at 27°C), mg/l	15.0	4	10.3	14.0
4	Chemical Oxygen Demand (COD), mg/l	125.0	30	64.8	117.1
5	Suspended Solids, mg/l	20.0	3.4	10.3	18.8
6	Phenolic compounds (as C ₆ H ₅ OH), mg/l	0.35	0.1	0.2	0.4
7	Sulphide (as S), mg/l	0.50	0.0	0.3	0.5
8	CN, mg/l	0.20	0	0	0
9	Ammonia as N, mg/l	15.0	1.6	2.5	3.2
10	TKN, mg/l	40.0	2.8	3.7	4.6
11	P, mg/l	3.0	0.8	0.9	1.0
12	Cr (Hexavalent), mg/l	0.10	-	BDL	-
13	Cr (Total), mg/l	2.0	-	BDL	-
14	Pb, mg/l	0.10	-	BDL	-
15	Hg, mg/l	0.01	-	BDL	-
16	Zn, mg/l	5.0	0.2	0.3	0.4
17	Ni, mg/l	1.0	-	BDL	-
18	Cu, mg/l	1.0	0.0	0.1	0.2
19	V, mg/l	0.20	-	BDL	-
20	Benzene, mg/l	0.10	-	BDL	-
21	Benzo (a) pyrene, mg/l	0.20	-	BDL	-

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B. Final Outlet (From the Complex) Storm Water channel Quality
(1st October 2024 to 31st March 2025)

Sl. No.	Parameter	Std 2008	Min	Avg.	Max
1	pH value	6.0 - 8.5	7.29	7.39	7.55
2	Oil and Grease, mg/l	5.0	2.0	2.67	4.00
3	Bio-Chemical Oxygen Demand (3 Day at 27°C), mg/l	15.0	12.0	13.33	14.0
4	Chemical Oxygen Demand (COD), mg/l	125.0	60.0	72.33	80.0
5	Suspended Solids, mg/l	20.0	BDL	BDL	BDL
6	Phenolic compounds (as C ₆ H ₅ OH), mg/l	0.35	BDL	BDL	BDL
7	Sulphide (as S), mg/l	0.50	BDL	BDL	BDL
8	CN, mg/l	0.20	BDL	BDL	BDL
9	Ammonia as N, mg/l	15.0	2.40	3.10	3.90
10	TKN, mg/l	40.0	3.40	4.30	5.80
11	P, mg/l	3.0	1.0	1.10	1.30
12	Cr (Hexavalent), mg/l	0.10	-	BDL	-
13	Cr (Total), mg/l	2.0	-	BDL	-
14	Pb, mg/l	0.10	-	BDL	-
15	Hg, mg/l	0.01	-	BDL	-
16	Zn, mg/l	5.0	0.20	0.35	0.56
17	Ni, mg/l	1.0		BDL	
18	Cu, mg/l	1.0	0.05	0.14	0.24
19	V, mg/l	0.20	-	BDL	-
20	Benzene, mg/l	0.10	-	BDL	-
21	Benzo (a) pyrene, mg/l	0.20	-	BDL	-

Good
CM(HSE)

4.6 APPENDIX-A3: Tree Plantation (1st October 2024 to 31st March 2025)

The entire area inside BGR covered with greenery through massive plantation activities. Through massive plantation work and by giving protection to natural forest growth inside BGR premises, the entire area has become green. The entire plant area where processing plant facilities do not exist has a green cover. This helps in reduction of noise and air pollution level in one hand while on the other hand provides protection to ecological features of the area. The refinery has an excellent quality environment around its complex. Natural greenery can be seen all around the complex as well as in BGR Township in all seasons of the year. Tree Census was done by Divisional Forest Office, Chirang in the year 2012-13. As per census, 84545 numbers of plants which include trees including shrubs, ocular estimated 33000 numbers of bamboos in 1150 no. bamboo culms and trees, planted by BGR during 2003 to 2012.

To comply INDIMAX BS-VI EC conditions, BGR planted 29600 No.s of saplings in the FY 2017-18, 30,062 No.s in FY 2018-19, 14340 No.s in FY 2019-20, 25606 No.s in FY 2020-21, 1,00,000 No.s in FY 2021-22, 26710 No.s in FY 2022-23, 100630 No.s in FY-2023-24 while in FY 2024-25, BGR planted 107530 No.s of tree saplings in and around the complex.

Tree Plantation 2017-18



Birhangaon State Dispensary Plantation 10000 No. s in Aug'2017 and 5375 No. s (2nd Phase in August,2019), Sapling Planted by Miyawaki Method. Growth in March 2025.

Ganeshi
CM (HSE)

Tree Plantation 2018-19



BGR TOWNSHIP PLANTATION, Planted Van Mahotsav 2018, Growth in March 2025.

Tree Plantation 2019-20



North Bongaigaon High School, 5250 Sapling Planted by Mitavaki Method in the month of September.2019, Growth in March 2025.

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CMCHSE/

Tree Plantation 2020-21



4816 No.s of sapling Planted in the month of August'2020 at Hatipota Brahma Mandir, Growth in March 2025.

Tree Plantation 2021-22(One Lac sapling planted during FY 2021-22)



For/bali
CM(HSE)

Planted on WED'2021, in BGR Township, Growth in March 2025.

Tree Plantation 2021-22



Planted on Aug.2021, in the complex, North side of INDMAX & BS-VI, Growth in March 2025.

Tree Plantation 2021-22



Planted on Aug.2021, in the complex, North side of INDMAX & BS-VI, Growth in March 2025.

Spillato
CM(HSE)

Tree Plantation 2022-23



Planted on WED*2022, in BGR Township, Growth in March 2025.

Growth
CMCHSE)

5.0 APPENDIX A4: Quarterly Fugitive Emission Survey Data (LDAR)
(1st October 2024 to 31st March, 2025)



IOCL Fugitive
Emission Report Q-4



IOCL Fugitive
Emission Report Q-3

Gurkesh
C.M.A.I.S.E.)

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

बॉंगागाँव रिफाइनरी

बंगालूर : कर्नाटक - 783 335

फोन : 03664 (असम)

Indian Oil Corporation Limited

Bongaigaon Refinery

P.O. : Bongaigaon, Dist. : Chirang, Assam-783335

Phone : 03664-

E-mail :

Website : www.ioil.com FAX : 03664-



रिफाइनरी प्रभाग
Refineries Division

DGR/HSE/HW-RETURN/Fy 24-25/ 01

Date: 30.06.25

To

The Member Secretary,
Pollution Control Board, Assam
Bamunimaidam
Guwahati - 781021

Subject: Regarding Submission of Annual Hazardous Waste Return for Fy 2024-25 in Form-4 along with filled in Format A, B & C as per Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016

Dear Sir,

Please find enclosed herewith the copy of Annual Hazardous Waste Return for Fy 2024-25 in Form-4 along with the filled in Format A,B,C as per Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 for the period from 1st April'24 to 31st March'25.

Thanking You,

Yours faithfully

(Biman Gogoi)

Dy. General Manager (HSE)

IOCL Bongaigaon Refinery

Ph- 03664 25 3302

Copy to:

1. Zonal Officer, Central Pollution Control Board,
Eastern Zonal Office, 'TUM - SIR', Lower Motinagar
Near Fire Brigade H.Q.
Shillong-793014
2. The Regional Executive Engineer
Regional Laboratory cum office
Pollution Control Board, Assam
Rathawali Heights (1st floor)
(Opposite Birjhora HS School)

रिफाइनरी विभाग : वेब पोर्टल : एड्रेस : बॉंगागाँव रिफाइनरी, बंगालूर (एच) पिनकोड - 783 335
पेट्रो. ऑफिस : G-9, Air View Juna Marg, Bhandra (East) Mumbai-400 001
Refineries Division : Head Quarter : RAJANUJ Bhawan, SCOPE Complex, Class-2, 7, Institutional Area, Lodhi Road, New Delhi - 110 003

CM (HSE)

6.0 APPENDIX-A5(a): Annual return of hazardous waste (2024-25)



HW Return FY
2024-25.pdf

Gurdeep Singh
(CMCHSE)

7.0 APPENDIX-A5 (b): Authorization from PCBA for Hazardous Waste (Management and Transboundary Movement) Rules 2016
No. WB/BONG/T-748/19-20/109



Pollution Control Board:: Assam
Bamunimaidam, Guwahati-21
(Department of Environment & Forests:: Government of Assam)
Phone: 0361-2652774 & 3150318; Fax: 0361-3150319
Website: www.pcbaassam.org



No. WB/T-311/21-22/252

Dated Guwahati the 18th September, 2022

FORM - 2
[See Rule 6(2)]

[Grant of Authorization under the Provision of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016]

1. Number of Authorisation and date of issue : No. WB/T-311/21-22/ did. .09.2022
2. Reference of application (No. and date) : 634614
3. M/s Indian Oil Corporation Limited (IOCL), Bongaigaon Refinery, NH 31C (New NH 27), Dhalgaon, Chirang is hereby granted an authorisation based on the signed inspection report for Generation, storage and transportation of Hazardous or Other wastes or bulk:

DETAILS OF AUTHORISATION

Sl. No.	Category of Hazardous Waste as per the Schedules-I, II & III of these rules	Authorized mode of disposal or recycling or utilization or re-processing, etc.	Quantity (tonnes)	Mode of Management
1	Schedule-I, Sl.No. 4.1: Oil sludge or residues	Generation, Storage & Transportation	1100 MT/Annua	Transportation to authorized Refineries/Recyclers/Deposal agencies/repositories and incineration/Captive treatment through the incinerators as per permitted norms
2	Schedule-I, Sl.No. 4.2: Spent catalyst	Generation, Storage & Transportation	2500 MT/Annua	Transportation to authorized Refineries/Recyclers in compliance with RCYMR Rules-2016
3	Schedule-I, Sl.No. 4.3: Used Oil	Generation, Storage & Transportation	1000 MT/Annua	Captive Utilization as per prescribed norms
4	Schedule-I, Sl.No. 4.4: Spent oil	Generation, Storage & Transportation	20 MT/Annua	Transportation to authorized Refineries/Recyclers
5	Schedule-I, Sl.No. 31.1: Empty hazardous containers contaminated with hazardous chemicals/wastes	Generation, Storage & Transportation	7000 numbers/Annua	Transportation to authorized Refineries/Recyclers

4. This authorisation shall be in force in force for the period of five years up to 31-03-2027 unless otherwise renewed or withdrawn within this period.
5. The authorisation is subject to the following general and specific conditions

A. GENERAL CONDITIONS OF AUTHORISATION:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer, authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorisation.
4. The agencies should ensure that the barrels are decontaminated before collection in the premises of the occupier / generator equipped with adequate effluent treatment plant.
5. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.
6. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
7. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

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MCHSE



The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on 'Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty'

9. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
 10. The imported hazardous and other wastes shall be duly insured for transit as well as for any accidental occurrence and its clean-up operation.
 11. The receipt of consignment and date of the imported hazardous and other wastes shall be maintained.
 12. The hazardous and other waste which gets generated during recycling or re-use or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
 13. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
 14. An application for the renewal of an authorization shall be made as laid down under these Rules.
 15. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
 16. Annual return shall be filed by June 30th for the period ending 31st March of the year.
- B. SPECIFIC CONDITIONS:**
1. The unit shall maintain the records of Hazardous & Other Wastes in Form-3 under provision of Rules 9(5), 13(7), 14(6), 16(5) & 20(1).
 2. The unit shall provide the transporter with the relevant information in Form-8 regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.
 3. The unit shall submit Annual Returns in Form-4 to State Pollution Control Board by 30th June of every year for the preceding period April to March.
 4. The unit shall prepare 5 (six) copies of the manifest in Form-10 as per Rules-19(1) for every transit of consignment of hazardous Waste under this authorization.
 5. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest & Climate Change, GOI, New Delhi & Central Pollution Control Board, Delhi shall be complied.
 6. The unit shall submit an Environmental Statement for the financial year ending on 31st March, in Form-V of the Environment (Protection) Rules, 1986 before 30th September every year.
 7. Any occupier handling hazardous or other wastes and operator of the treatment, storage and disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time. The labelling shall be done as per Form 6.
 8. The unit shall submit the report on any accident occurs at their facility immediately to the state Pollution Control Board, in Form-11 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
 9. The transport of the hazardous and other waste shall be in accordance with the provisions of Rule 18 of Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.
 10. The unit shall install a display board in the prescribed format in accordance with PCBIA notification no. WB/T 237/ 10-2000 dated 17.08.2020 and regularly update the same.

(Shantanu Kr. Dutta)
Member Secretary

Dated Guwahati the 04 September, 2022

Memo No. WB/T-31/21-22/252-A

Copy to

✓ MS Indian Oil Corporation Limited (IOCL), Bongaigaon Refinery, NH-31C (New NH 27),
Dhalgaon, Chirang (Assam) for information & necessary action

(Shantanu Kr. Dutta)
Member Secretary

Goehali
CMCHSE)

8.6 APPENDIX-A6: Detail of Wastewater treatment and disposal system.



ETP Description.pdf

Godhuli
CM(HSE)

9.0 APPENDIX-A7: Quarterly Noise Survey Data (1st October, 2024 to 31st March 2025)



IOCL Noise Report
Q-4.pdf



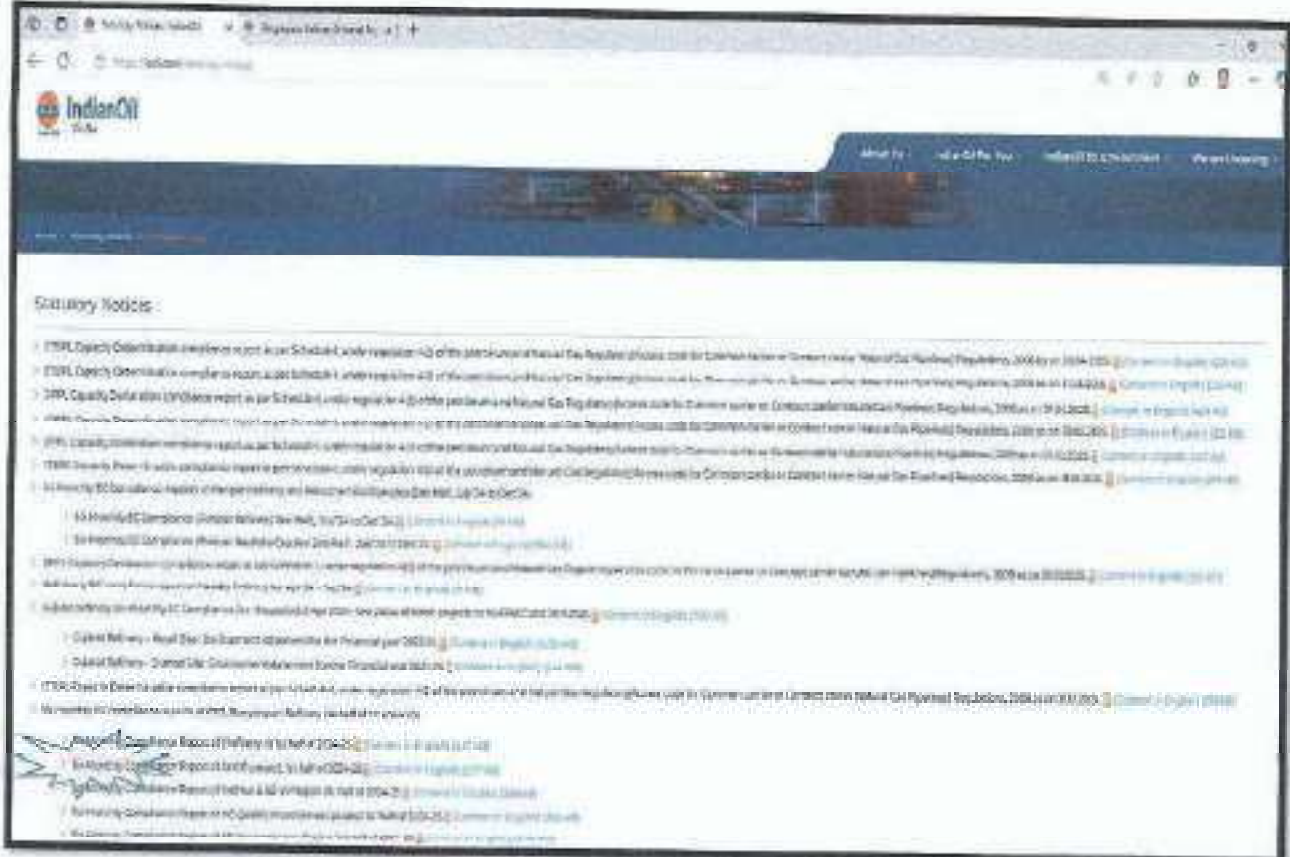
IOCL Noise Report
Q-3.pdf

Gadhali
CM(HSE)

10.0 APPENDIX-A5: Rainwater Harvesting Data

Sl. No.	Name of RWH Site location	Nos. of RWH system	Area (In m ²)	Estimated approximate ground water recharge potential volume (m ³ /year) based on avg. annual rainfall MD data for the last 10 yrs
A	At Township area			
1	Manjara GH	1	677	1956.53
2	Decari GH	4	581	1679.09
3	Manas Guest House	2	639	1845.71
4	BGR HS School, BGR	2	1361	3833.29
5(A)	DPS Block-I (Old)	1	704	2034.56
5(A)	DPS Block-I (New)	2	898.75	2337.2875
5(B)	DPS Block-II	3	1810	5230.9
6	Champa Club (Officers Club)	2	1100	3179
7	Refinery Club cum Community Centre	3	2580	7455.2
8	Employee Union Conference Hall Building	1	273	794.75
9	CISF Office	2	825	2384.25
10	CISF Barrack	4	1050	3034.5
11	BGR Community Centre	2	650	1874.3
12	Sports complex (Football and volleyball Stadium Gallery)	2	988	2855.32
13	Rainwater Harvesting at Mandir Complex Pond	1	7125	20591.25
14	Mandir Complex	1	833	2407.37
15	Temple Complex (NEW)	1	10151	29336.39
16	Cooperative Store/Shipping Complex (Newly constructed in Oct'24)	1	210	606.9
17	BGR Hospital (Newly constructed in Oct'24)	1	736	2127.04
B	At Refinery area			
18	Admin. Block - B Plan	1	1730	4900.7
19	BGR Canteen (Ref.)	2		9057.26
20	CISF Office & Scooter Shed (Ref)	1	3134	
21	Cycle Stand (Near time office)	1		
22	Control Room BS-VI - Plant	1	1372.5	3968.525
23	Sihewari BSVI Plant	1	942	2722.38
24	Parvash Udyan pond	1	5775	16689.75
25	Eco Park Pond including natural pond	1	20000	57800
	Total	43	66057.25	190905.5

Link: <https://ioel.com/statutory-notice>

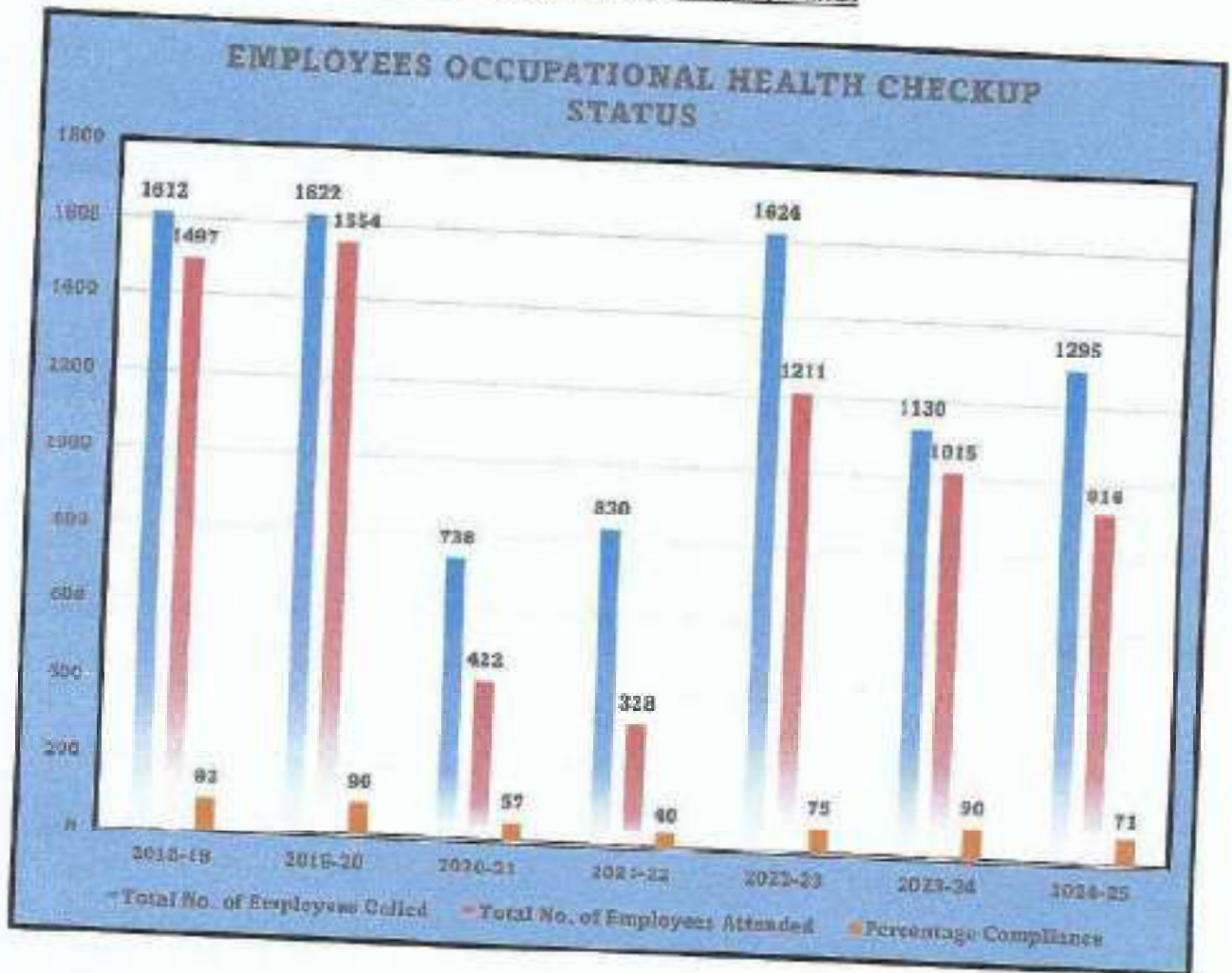


12.0 APPENDIX-A10: NABL certificate of QC Lab of Bongaigaon Refinery

		National Accreditation Board for Testing and Calibration Laboratories
NABL		
CERTIFICATE OF ACCREDITATION		
INDIAN OIL CORPORATION LIMITED, QC LABORATORY, BONGAIGAON REFINERY		
has been assessed and accredited in accordance with the standard		
ISO/IEC 17025:2017		
"General Requirements for the Competence of Testing & Calibration Laboratories"		
for its facilities at		
P.O. BHALIGAON, BONGAIGAON, CHIRANG, ASSAM, INDIA		
in the field of		
TESTING		
Certificate Number: TC-6027	Issue Date: 29/04/2024	Valid Until: 28/04/2026
This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)		
Name of Legal Entity: Indian Oil Corporation Limited		
Signed for and on behalf of NABL		
	 N. VENGALWAR Chief Executive Officer	

Geetha
CM (HSE)

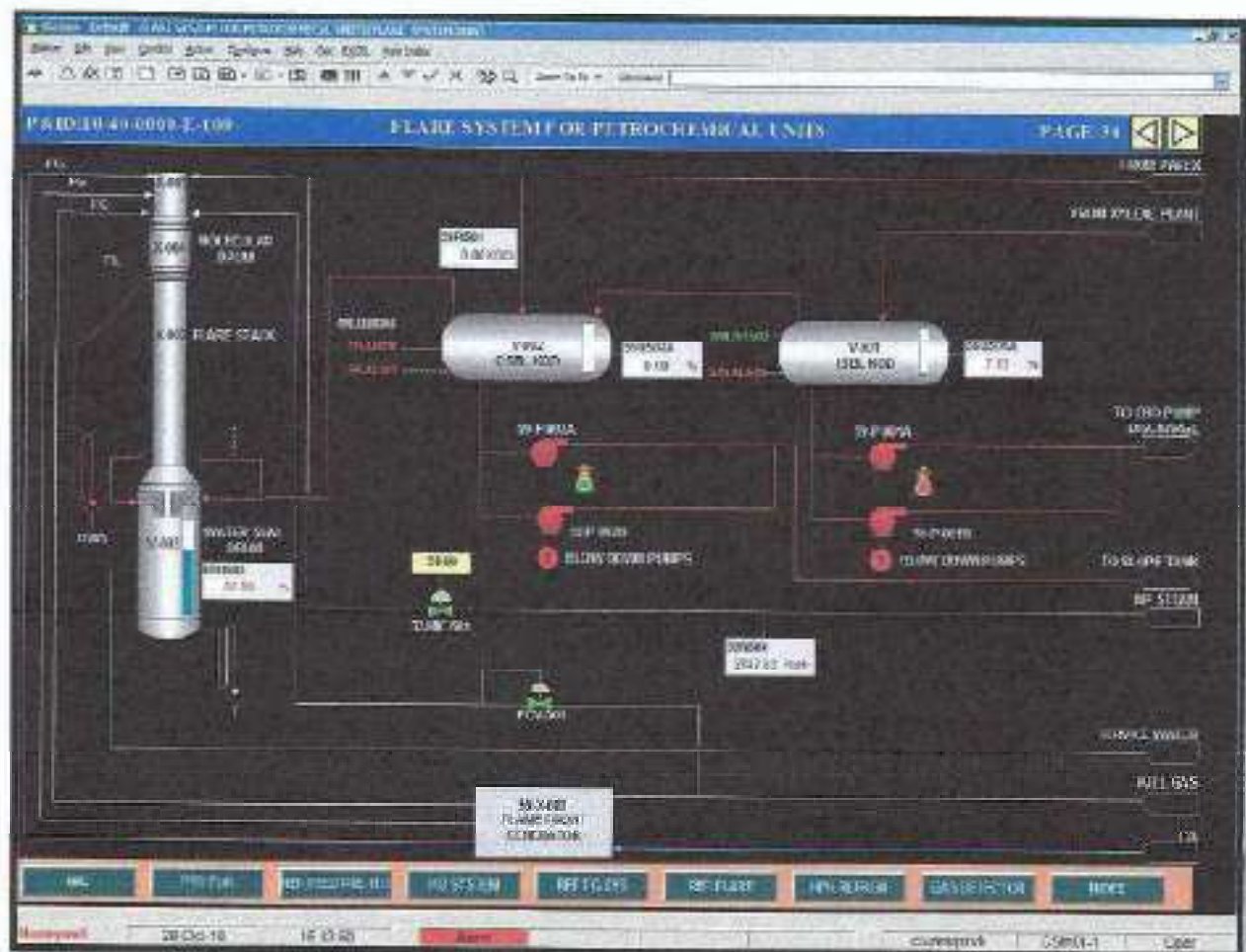
13.0 APPENDIX-A11: Employees Occupational Health Checkup Status



Note: Employees Occupational Health checkup program was affected during the year 2020-2022 owing to COVID-2019 pandemic situation.

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 CMCHSE/

14.0 Appendix-A12: Flare System



Goodbye / CMCHSE