



Oil and Natural Gas Corporation Ltd
Health Safety and Environment Deptt.
Hazira Plant- Surat
Phone no. 0261-2875778/5781/5780

No: ONGC/HZR/HSE/ENV/Six Monthly Report /Oct-24 to March-25

Dated: 30/05/2025

To

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

Sub: Six monthly compliance status report of MoEFCC stipulation for the period 01/10/2025 to 31/03/2025.

Sir,

Please find enclosed herewith Compliance of Stipulations for Environmental clearance accorded by MoEFCC vide letter No F.No.J-11011/149/2016-1A-II(I) dated 22/03/2018 for Expansion of Hazira Gas Processing Complex by adding Captive Combined Power Plant(CCPP).

With Regards,


(R Ramkumar Babu)
CGM (P)-I/c Env. Cell

Environmental clearance Accorded by MoEFCC vide letter No. F.No.J-11011/149/2016-IA-II(I) dated 22/03/2018 for Expansion of Hazira Gas Processing Complex by adding Captive Combined Power Plant(CCPP)

SPECIFIC CONDITIONS		
No	Stipulations	Implementation Status
i	The company shall revamp the effluent treatment plant to treat the waste water generated from the additional facilities including waste water from Sulphur recovery unit. (This is amended condition as per MoEF Letter dated 10/10/2012). The treated waste water shall comply with the standards notified in the Environmental (Protection) Rules 1986.	<u>Stipulation condition is Complied.</u> ETP revamping was carried out in 2012 and was informed during 35th expert appraisal committee on 11/12 May 2012. (Copy of MOM has been submitted earlier.) Later New Equalisation Tank System was installed in WWTP at Hazira Plant for steadier inlet loading of ETP units and better control on quality of treated effluent for disposal conforming to GPCB norms on pollution parameters. The treated waste water complies with the standards notified in the Environmental (Protection) Rules 1986. Detailed Reports is attached (Annexure 1)

ii	The company shall comply with new standards/norms that are being proposed by the CPCB for petrochemical plants and refineries. Point wise status of CPCB guidelines are as follows :- Vide CPCB directive ONGC is required to install online effluent quality monitoring system to monitor pH,BOD,COD and TSS (for Oil industries) and connect it to GPCB/CPCB server. To install continuous stack and process emission monitoring system for PM, CO, NOx and SO2 and connect and upload emission data to CPCB server	Point wise status of CPCB conditions is given below <u>Stipulation condition is complied.</u> Online effluent quality monitoring system to monitor flow ,pH, BOD,COD and TSS has been installed and Connected to CPCB and GPCB server Effluent report is attached at Annexure 1 for your kind reference. <u>Stipulation condition is complied.</u> Online Continuous monitoring system has been installed at all stack of Hazira Plant which monitors CO, SO2, NOx and PM. The system is linked up to CPCB/GPCB server on real time basis. Their all data is available online at GPCB server.
iii.	The process emissions (SO2, NOX, HC, VOCs and Benzene) from various units shall conform to the standards prescribed by the Gujarat State Pollution Control Board from time to time. At no time the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the	<u>Stipulation condition is complied.</u> Yes. These parameters are being monitored form time to time, as per GPCB approval. Yes. Emissions are within the stipulated standards. <u>For Process Emission through Stack (SO2, H2S and HC):</u> Reports is attached at Annexure 2. Online stack monitors round give data of the Pollutants in flue gases. The data indicates PM, SO2, NOx, HC are very well within limit prescribed by GPCB.

	unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	
iv.	Quarterly monitoring of fugitive emissions shall be carried out as per the guidelines of CPCB by fugitive emission detectors and Reports shall be submitted to the Ministry's regional office at Bhopal.	<u>Stipulation condition is complied.</u> Fugitive emission is regularly checked by HC detectors.
v.	For control of fugitive emission all unsaturated hydrocarbon will be routed to the flare system and the flare system shall be designed for smoke less burning.	<u>Yes.</u> <u>Stipulation condition is complied.</u>
vi.	The company shall strictly follow all the recommendation mentioned in the charter on corporate responsibility for environmental protection (CREP).	<u>Stipulation Condition is complied.</u> All the recommendations of CREP are adhered to.
vii.	Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the factories Act.	<u>Stipulation condition is complied.</u> Occupational health surveillance of worker is being carried out on a regular basis by Occupational Health Centre at Hazira Plant. PME of all employees is done at regular interval depending upon age. PME (Occupational health surveillance Record) data for the period Oct 2024- March 2025 available at OHC and tie up details with nearby hospital in case of any emergency is attached at Annexure 3.
viii	Greenbelt shall be developed to mitigate the effect of fugitive emission all around the plant in a	<u>Stipulation condition is Complied</u> Yes. We have maintained green belt in 43.35 of project area as per the latest assessment. Green belt developed Layout plan is attached at Annexure-4.

	minimum 30% plant area in consultation with DFO as per CPCB guidelines.	
ix.	The Company shall make the suitable arrangement for disposal of catalyst waste and other wastes. The report of waste disposal shall be submitted to Ministry's Regional Office at Bhopal	<u>Stipulation condition is complied.</u> Latest Hazardous Waste Disposal Report submitted to GPCB is attached as Annexure-5
x.	The company shall take necessary measures to prevent fire hazards, Containing oil spill and soil remediation as needed. At place of ground flaring the overhead flaring stack with knock out drums shall be installed to minimize gaseous emission during flaring.	<u>Stipulation condition is Complied.</u> Oil spill contingency plan is covered in our Disaster management Plan. Existing elevated flare stack with knock out drum is being used for this purpose. Ground flaring is not done at ONGC, Hazira. Details of firefighting facility are attached at Annexure 6.
xi.	The company shall carry out Risk assessment study and submit to the Ministry and its Regional Office Bhopal within 3 months from date of issue of this letter.	<u>Stipulation condition is Complied.</u>
xii	The company shall develop green belt in 33% area of the project as per the guidelines of the CPCB to mitigate the effect of fugitive emissions.	<u>Stipulation condition is Complied</u> Green belt developed Layout plan is attached at Annexure-4.
xiii.	To prevent fire and explosion at oil and gas facility, potential ignition sources should be kept to	<u>Stipulation condition is Complied</u> Yes .The plant is designed as per OISD standard -118 based on safe layout principle and same is certified by PESO.

	a minimum and adequate separation distance between potential ignition sources and flammable material shall be in place.	
xiv	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile, toilets, Mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<u>Stipulation condition was Compiled during construction phase.</u> Yes.

GENERAL CONDITIONS		
No	Stipulations	Implementation Status
i.	The project authorities must strictly adhere to the stipulations made by the concerned state Pollution Control Board (SPCB) and the State Govt. and any other statutory body.	<u>Stipulation condition is Complied</u> All the stipulations made by State Govt. and State Pollution Control Board are strictly adhered to. GPCB has given CC & A No.AWH-129475 dated 04/10/2023 valid up to 22/04/2029. ONGC; Hazira has strictly adhered to its conditions. (1) Production is within limits of quantity given in CC &A. (2) The effluent quantity and quality is within permissible limits.(Annexure 1) (3) Pollutants in Ambient Air are very much less than maximum permissible limit. (4) Flue gas emission is within permissible limits. (5) Generation of hazardous waste is less than permitted quantity.
ii	No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and forests. In case of deviations or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.	MoEFCC has granted EC for Modification in the process facilities of Gas and Condensate processing at Hazira plant vide F.No. J-11011/677/2008-IA.II (I) dated 27/04/2017 and MoEFCC has granted EC for Expansion of Hazira Gas Processing Complex by adding Captive Combined Power Plant (CCPP) vide F.No.J-11011/149/2016-IA-II(I) dated 22/03/2018. No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and forests.
iii	At no time, the emissions should go beyond the prescribed standards In the event of failure of any pollution control system, the respective well site should be immediately put out of operation	Stipulation Condition is complied Stipulated conditions and recorded data for the period Oct-2024 to March-2025 is given in table below:- CC & A (AWH-129475 DATED 04/10/2023) accorded to ONGC, Hazira by GPCB has set following permissible limits- Online Continuous monitoring system has been installed at all stack of Hazira Plant which monitors CO, SO₂, NO_x and PM. The system is linked up to CPCB/GPCB server on real time basis. Their all data is available online at GPCB server. The data indicates

	and should not be restarted until the desired efficiency has been achieved. Provision of adequate height of stack attached to DG sets and flare is to be done.	CO, SO₂, NO_x and PM are very well within limit. Further H₂S which is not in CC & A is monitored by GPCB approved third party and is within limits. The data of last six months and all previous data indicate that the parameters are well within the permissible limits. If by any chance during any upsets, the parameters are deviating from their normal range, necessary corrective actions are taken to correct the parameters and it is ensured that the units are shut down before the prescribed limits are reached Height of flare/ stacks as per design is attached at Annexure-7. No DG set is installed in Plant.
iv.	Waste water shall be properly collected and treated so as to conform to the standards prescribed under EP Act and Rules and mentioned in the Consents provided by the relevant SPCB.	<u>Stipulation condition is complied.</u> Equalization tanks of capacity ensure proper collection and stabilization before treatment. The liquid effluents are being treated in WWTP and meet EP act, MINAS Standards and GPCB limits stipulated in CC & A Online monitoring system for final effluent discharged measuring flow, pH, COD, BOD ,TSS is linked to CPCB server. Further, effluent quality is • Daily checked by in house Laboratory, • Three times a year during yearly Environmental Audit. Detailed Reports of Effluent Analysis test reports is attached (Annexure 1)
v	The overall noise level is and around the premises shall be limited within the prescribed standards (75 dBA) by providing; noise control measures including acoustic hoods, silencers enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules 1989 viz 75 dBA (day time) and 70 dBA (night time.).	<u>Stipulation condition is Complied</u> PPE such as Ear muffs/Ear plug are used in high noise areas as precaution. High noises prone are segregated with proper signage. Ear muff/ Ear Plugs have been provided to employees working in high noise areas. Details of Noise level Recordings are attached as Annexure 8

vi	The project authorities must strictly comply with the provisions made in Manufacture, Storage and import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the expansion project. if required Requisite On-site and Off-site Disaster management Plans will be prepared and implemented.	<u>Stipulation condition is complied.</u> Prior approval under Factories Act and Explosives Act has been taken. Factory License – Valid till 31.12.2028 Explosive License – Storage of ARN / NGL :- 31.12.28 Storage of SKO & Diesel :- 31.12.28 Storage of HSD (NFU):- 31.12.27 Storage of HSD for Diesel dispensing unit:- 31.12.27 Storage of ATF :- 31.12.28 Storage of Methanol :-31.12.27 Storage of LPG Phase-I (6 Nos. Spheres):- 30.09.27 Storage of LPG Phase-II (3 Nos. Spheres):- 30.09.27 Storage of Propane:- 30.09.27 Onsite and offsite Emergency plan attached at Annexure-9.
vii	Disposal of hazardous waste shall be as per the Hazardous Waste (Management and Handling) Rules 2003. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/storage/disposal of hazardous waste.	<u>Stipulation condition is Complied</u> GPCB has given CC & A No.AWH-129475 dated 04/10/2023 valid up to 22/04/2029
viii	The project authorities will provide adequate funds as non-recurring and	<u>Stipulation condition is Complied</u>

	recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein The funds so provided should not be diverted from any other purposes.	
ix.	The company shall develop rain water harvesting structures to harvest the runoff water for recharge of ground water	<u>Explored the possibility of Rain Water Harvesting but found not feasible</u> In the past M/S Gujarat Water resources development corporation (A Government of Gujarat undertaking) was entrusted the job of feasibility study for carrying out rainwater harvesting at Hazira Plant. Feasibility study for carrying out rainwater harvesting at Hazira Plant, recommended that there is no feasibility of recharging the fresh groundwater aquifer as the shallow aquifer is already saturated. However, as advised, the matter shall be taken up with MoEFCC for necessary amendment.
x	The stipulated conditions will be monitored by the concerned Regional Office of this Ministry /Central Pollution Control Board/State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly. It will also be displayed on Website of the Company.	<u>Stipulation condition is Complied</u> Six monthly compliance reports are being sent to Regional Office, MoEFCC Gandhinagar. The data is displayed on website of company-ongcindia.com
xi	The Project Proponent should inform public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/Committees and may also be seen at Website of the	Exemption for Public Consultation given by MOEFCC vide letter No. MoEF vide letter No. F.No.J-11011/149/2016-IA-II(I) dated 25th July 2017 as the project is in the Notified Industrial area.

	Ministry of Environment and Forests at http://www.env.for.nic.in. It should 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 locally concerned and a copy of the same should be forwarded to the concerned Regional office of this Ministry.	
xii	A separate environment management cell with Full-fledged laboratory facilities to carry out various management and monitoring function shall be set up under the control of a senior executive.	<u>Stipulation condition is Complied</u> Environment Cell headed by CGM(P) has been functioning at ONGC, Hazira and report to CGM (P)–Head HSE(Health, Safety and Environment) who in turn is reporting directly to ED-Plant Manager, Hazira Plant,ONGC, Hazira has the laboratory facilities and skilled personnel environmental quality monitoring of various environmental components. Sulphur Recovery Unit (SRU) Lab and Gas Sweetening Unit (GSU) Lab monitors H₂S and Hydrocarbons in various streams including vent gases. Effluent Lab monitors pH, TSS, Oil & Grease, COD, BOD, Sulphide in Process Waste Inlet & outlet (PWS I & PWS III), Final effluent and storm water drain. In addition pH, TSS, Sulphide and free chlorine in sanitary outlet is monitored. Details of Laboratory facilities have already been submitted for your reference. In view of above it may be treated as complied
xiii	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	The project started on 27/09/2023.

ANALYSIS REPORT

Annexure-1: Quality of Treated Effluent:

FEDS (Final Effluent Discharge Sump) Quality Parameters- Monthly Average Value								
Sr.No	Parameters	Permissible Limit	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	March-25
1.	pH	6.5-8.5	7.19	7.47	7.63	7.57	7.5	8.16
2.	TSS (PPM)	100	25.13	18.43	23.64	23.00	22.0	17.00
3.	Sulphide (PPM)	2	0.27	1.15	1.21	0.80	0.32	0.24
4.	Oil & Grease (PPM)	10	5.03	5.13	4.97	5.00	4.00	4.00
5.	BOD (PPM)	30	6.80	7.40	7.90	7.00	7.00	7.00
6.	COD (PPM)	100	21.27	23.33	25.22	26.00	22.00	25.00

Annexure 2- Quality of Flue Gas Stack/ Process Stack Emission:

Process Stack	NOx	PM	SOx
	Permissible Value(mg/Nm3)		
	350	150	104.8
	Average Value FY 2024-25 (mg/Nm3)		
SRU_61	4.12	6.5	4.93
SRU_62	2.21	4.01	8.54
SRU_63	10.9	2.75	26.66
SRU_64	32.93	1.4	
SRU_66	6.43	2.5	15.3
Flue Gas Stack	NOx	PM	SOx
	Permissible Value(mg/Nm3)		
	94	150	262
	Average Value FY 2024-25 (mg/Nm3)		
HRSG 1	30.92	4.54	13.05
HRSG 2	25.8	5.06	29.4
HRSG 3	14.08	2.27	12.3
KRU 1	2.06	5.61	30.44
KRU 2	19.06	1.49	61.5
KTI	5.16	4.57	29.5
LPG	14.3	1.54	25.8
Thermax	23.16	2.26	16.79

Ambient Air Quality Monitoring Data:

Ambient Air Quality Data FY 2024-25 ,ONGC Hazira Plant																
Parameter	Permissible Limit		Unit	24 hourly Average values												Annual Average 2024-25
	Annual	24 Hrs Average		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	
SO2	50	80	µg/m³	10.22	4.1	0.7	0.1	2.29	5.21	6.35	7.33	13.1	15.35	14.41	10.8	7.49
Nox	40	80	µg/m³	24.54	11.88	9.17	9.69	9.72	10.06	14.83	21.55	18.4	19.42	35.12	29.35	17.81
PM2.5	40	60	µg/m³	24.19	25.45	19.18	10.48	11.34	14.87	29.41	41.2	35.5	35.32	33.13	28.6	25.72
PM10	60	100	µg/m³	43.81	45.01	31.05	17.12	21.16	27.95	44.52	55.16	74.9	75.27	45.98	51	44.41

Annexure-3: PME Data of ONGC Hazira Plant

Particulars	Number
General PME of regular employees	111
Six Monthly Target group PME(Regular employees)	102
Six Monthly Target group PME(Contractual employee)	147

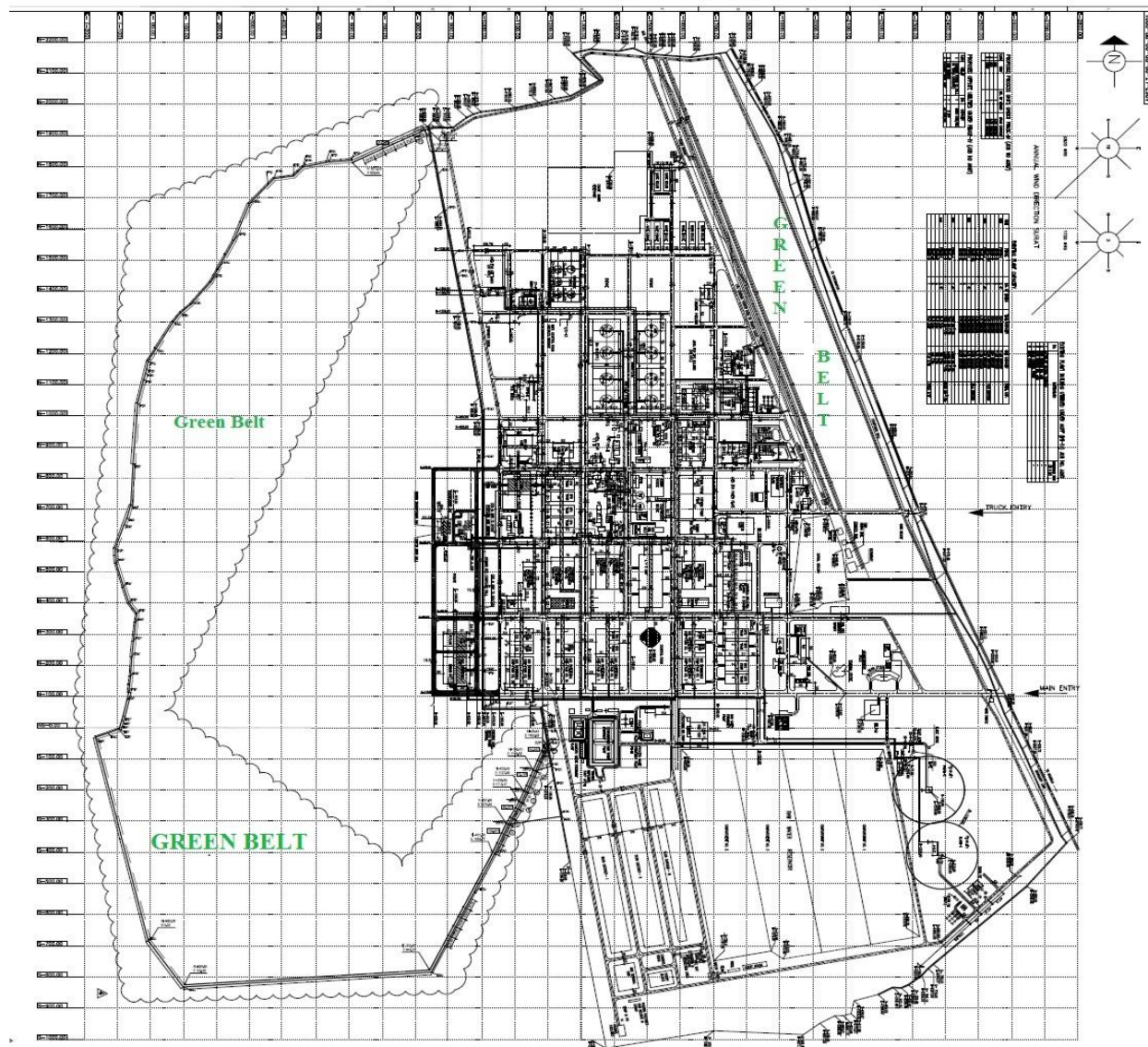
Medical hospital Empanelment in the city

SN	Name	Address	Contact
1	Anand Hospital	1/5, 68b, Athughar Street, Timaliawad, Nanpura, Surat	2474268; 2474229; 9879044491
2	Banker's Cardiology Pvt Ltd	Opp. Lakeview Garden B/H Shardashatan School Floral Park Road, Umra, Surat	2324004; 2320404; 2252123; 8511174103
3	Baps Pramukhswami Hospital	Shri Pramukh Swami Maharaj Marg, Adajan Char Rasta, Surat.	2781000; 9879373901
4	Harsh Hospital & Maternity Home	Shakuntal "B" Apt., Nr. Sanghvi Tower, Gujarat Gas Circle, Adajan Road, Surat.	2781652; 9978987222; 9374593366
5	Metas Of Seventh-Day Adventist Mission Hospital	Athwalines, Surat-1	2667591-95; 3047777; 9574002121
6	Nirmal Multispecialty Hospital	Ring Road, Surat-395002	2333999; 2332999; 2331999; 9909945476; 9909940905

7	Bombay Maternity & Surgical Hospital	202, 2nd Floor, Bhagwati Ashish-2, Above New Janta Ice-Cream, Prem Prakash Circle, City Light Road, Surat	2253954
8.	Me & Mummy Hospital	3rd Floor, Jainidhi Complex, Opp. Bahumali Bldg., Nanpura, Surat	2471111; 2472222; 6777000; 9909091444
9.	Kadhiwala Orthopaedic Hospital	Athulagar Street , Near Sbi Bank, Nanpura, Surat	2464344; 2474344; 9712912735
10.	Surat Life Care Pvt. Ltd (Unique Hospital)	Opp. Kiran Motor, Nr. Canal, Civil Char Rasta, Sosyo Circle Lane, Off Ring Road, Surat	0261 6776600, 2636318/19
11	INS Hospital	Nr. Valentino Business Hub Opp. Khatodra BRTS Bus Stand Surat	0261- 2706000/270 6060
12.	Green Leaf Hospital (unit of Surat Medicare llp)	3rd & 4th Floor, Western Vesu Point, Vesu Char Rasta, Surat	0261 2203550-99
13.	Kiran Multi Super Specialty & Research Centre	Nr Sumul Diary, Katargam Surat	0261- 7161111
14	Shivam Retina Clinic & Eye Hospital	Hg-1-G, ITC Building, Majura Gate, Ring Road, Surat-395001	02612464414 /489441
15.	Param Hospital	Canal(brts) Road, Near Polaris Mall, Punagam, Surat-394530	9624240933/ 44/55
16	United Green Hospital	Green Atria, Beside Silver Park Society In Front Of Sneh-Sankul Wadi, Anand Mahal Road, Adajan, Surat	02617199000 /001
17.	Nirali Cancer Hospital	AM Naik Health Care Complex Survey No. 1522/p/2, Opp. GIDC Kabilpore, NH-48, Ganesh Sisodra, Dist. Navsari	9106067269

18.	Vision Eye super-specialty Hospital	3rd Floor, Union Point, Nr. Kakadia Complex, Parle Point, Ghod-dod Road, Surat - 395 007	9879207604
19.	Eye Q Vision Pvt. Ltd	2/3rd Floor, Raina Arcade, Nr. Navyug College, Rander Road, Surat	07824015453 /9722527141

Annexure-4: GREEN BELT ONGC HAZIRA PLANT LAYOUT



Annexure-5: Waste Disposal Report (Annual Hazardous Waste Report 2023-24)

FORM-IV (See Rule 9(2))

To be submitted to the state Pollution Control Board
Format for the submission of returns, regarding disposal of hazardous waste
(For the period April 2023 to March 2024)

1. **Name and address of the occupier/operator of facility:** Oil & Natural gas Corporation Ltd, Hazira Plant, Surat – 394518.

2. **Categories of waste generated & quantity (in MT's):**

- ETP Sludge- 2.94 MT
- Used Oil –5.04 MT
- Empty Barrels/containers/liners contaminated with hazardous chemicals/wastes- 2.5 MT
- Spent Carbon or Filter Medium —Nil
- Discarded Asbestos- Nil

3. Details of waste treatment operation

SL NO	Name of Hazardous Waste	Treatment
1.	ETP sludge	ETP Sludge is stored in storage pit and treated through Bioremediation.
2	Used activated charcoal/spent carbon	Wash with water before removal from filter and filled in plastic bags.
3	Empty Barrels/containers/liners contaminated with hazardous chemicals/wastes	Treated with zinc acetate solution (method approved by M/S NEERI Nagpur) and stored in main stores for disposal after decontamination.
4	Used oil	Stored in drums at site and sent to main stores for disposal to GPCB registered refiners.

4. Details of Waste disposal operation

No	Date of Issuance of authorization for the disposal of hazardous waste and its reference number	Description of Hazardous Waste	Chemical form	Total Volume of the Hazardous waste disposal with No. of packages	Mode of Transportation to the site of disposal	Site of disposal (attach a sketch showing the location(s) of disposal	Brief description of the method of disposal	Date of disposal	Remarks
1	CCA No. - AWH-129475 dated 04/10/2023. Valid up to 22/04/2029.	ETP sludge	Dry Sludge	2.94 MT	--	--	ETP Sludge is stored in storage pit and treated through Bioremediation by OTBL.	05/03/2024	Process is ongoing
2.		Used activated charcoal/spent carbon	Granules	Nil	Nil	nil	--	--	--
3		Empty Barrels/containers/liners contaminated with hazardous chemicals/wastes	Drum	Nil	Nil	Nil	--	--	--
4		Used oil	Thick burnt Oil	5.04 MT	By Road	M/S Karim Corporation Ahmedabad	Through GPCB registered recyclers	13/10/2023	

5: Details of environmental Surveillance

Analysis of ground water samples			Analysis of soil samples			Analysis of air sampling			Analysis of any Measurement		
Date	Location of Sampling	Depth of sampling	Date	Location of Sampling	Depth of sampling	Date	Location of Sampling	sampling	Date	Location of Sampling	Depth of sampling
-NA--			-NA-			Ambient Air stations are installed in 6 locations. The real time data is captured in the AAQMS work stations. Continues Emission Monitoring System is installed in our Plant for monitoring Stack Emissions. Ambient air quality/Environment Audit by GPCB Nominated schedule -1 Auditor: 1 st 17.10.2023-19.10.2023 2 nd 27.12.2022-29.12.2022 3 rd 18.03.2024			-NA-		

* ONGC Hazira Plant follows the approved practices for disposal of all hazardous waste.

** GPCB Nominated Auditors M/s, Centre for Environment Research of S. N. Patel Institute of Technology and Research Centre, Umrakh, Bardoli, Surat carried out Environment Audit of ONGC Hazira Plant thrice in year, as per the GPCB mandated audit norms, to verify and confirm that our operations are as per our CC&A, valid till 2029.

Place: Hazira Plant, Surat
Date : 27/08/2024

आर रामकुमार बाबु / R RAMKUMAR BABU
महामंडळ (उत्पादन) / GM (PROD.)
ओ. एन. जी. सी. रजिस्ट्रार संयंत्र, सुरत
ONGC HAZIRA PLANT, SURAT.

(R Ramkumar Babu)
GM (P) I/c -Env,
ONGC Hazira Plant

Annexure-6: FIRE FIGHTING FACILITIES AT HAZIRA PLANT**A. DETAILS OF FIXED FIRE FIGHTING SYSTEM / NETWORK**

Sr. No.	Item Description	Qty. (Nos.)	Capacity
1.	Fire water tank (Main FWPH)	02	4500 m ³ each tank
2.	Fire water tank (Addl. FWPH)	02	5000 m ³ each tank
3.	Electrical Driven Pumps	04(M) / 02(A)	410 m ³ /hr / 616 m ³ /hr
4.	Diesel Driven Pumps	04(M) / 04(A)	410 m ³ /hr / 616 m ³ /hr
5.	Jockey Pumps	02(M) / 01(A)	50 m ³ /hr

B. DETAILS OF MOBILE FIRE APPLIANCES :

Sr. No.	Item Description	Qty. (Nos.)	Year of Purchase	Pump Capacity	Tank Capacity		
					Water	Foam	DCP
1.	Multipurpose F/T (25 TON)	04	2016-18	450	4500 lts	5500 lts	800 kg
2.	Foam Nurser (16 TON)	01	2016	560 lpm	N/A	8000 ltrs	N.A
3.	DCP Tender (16 TON)	01	2022	N/A	N/A	N/A	2000 Kg.
4.	Rescue Tender (25 TON)	01	2022	--	--	--	--
5.	Emergency Rescue Tender(11 TON)	01	2025	--	--	--	--
	Total	08	--	--	--	--	--

C. DETAILS OF OTHER FIRE PUMPS:

Sr. No	Item Description	Qty. (Nos.)	Year of Purchase	Pump Capacity
1.	Trailer Fire Pump	01	2018	2250 lpm
2.	Trailer Fire Pump	01	2012	1800 lpm
3.	Portable Fire Pump	03	2008	275 lpm
4.	Floating Pump	01	--	275 lpm

D. DETAILS OF FIRE FIGHTING EQUIPMENT

Sr. No	Activity/Equipment	Qty
1.	Fire Extinguisher	2245
2.	Hydrants & Monitors	1147 & 245
3.	HVLR	46
4.	Deluge valve along with spray system	56
5.	ROV along with spray system	136
6.	FOAM Pourer system	70
7.	Rim Seal Fire Protection system	08
8	IG-514	02
9	NOVEC-1230	13
10	CO2 Total flooding system	06
11	MPFT/RT/FT	09
12	SCBA Sets	269
13	Wind socks	50
14	Eye wash station	104
15	ELSA	80

E. LIFE SAVING EQUIPMENT

Sr.No:	Equipment	QTY
1.	Self-contained breathing apparatus (SCBA)	269
2.	Emergency Life Saving Apparatus (ELSA)	625

Annexure-7: Stack Height

Flue Gas Stack		
Stack No.	Stack attached to	Stack Height in Meter
1	Steam Boiler (58 TPH)	32
2	HRSG Boiler-1	30
3	HRSG Boiler-2	30
4	HRSG Boiler-3	30
5	KTI Boiler	25
6	IAES Boiler-3 Nos.	25 (Each)
7	LPG Furnace	32
8	KRU-1 Furnace	25
9	KRU-2 Furnace	27
10	HRSG Boiler	43
Process Emission Stack		
1	SRU Incinerator	70
2	SRU Trains (61 to 66)	28

Annexure-08: Noise Measurement



PACIFIC SCHOOL OF ENGINEERING
Kadodara, Surat
Centre for Environmental Research & Technology
(GPCB RECOGNIZED SCHEDULE-1 ENVIRONMENTAL AUDITOR ; NABL ACCREDITED LABORATORY)



TEST REPORT

Page No.: 1 of 1
Customer Name and Address:

Report No.	: PSE/CIV/TR/735	M/s.	O.N.G.C Ltd,
Issue Date	: 22/10/2024		RS Survey 68 & others in Bhatpore,
Customer Ref.	: GPCB Env. Audit Scheme		Hazira Plant,ONGC,NearVillageBhatpore,
			PO.O.N.G.C.Nagar, Surat- PinCode : 394518
Sampling Date	: 17/10/2024	Date of Completion	: 17/10/2024
Test Method	: The Noise Pollution (Regulation and Control) Rules, 2000		

RESULT TABLE

Sr. No.	Location	Observation Day Time dB(A)
1	Near Main Gate	65.4
2	Near ETP Area	62.0
3	Near SRU Plant	68.5
4	Near LPG Gate	65.3
5	Near Training Centre/Administration	60.2
Ambient Air Quality Standards in respect to Noise [Day Time]*		75
Ambient Air Quality Standards in respect to Noise [Night Time]*		70

Note:
1. The mentioned results are applicable only to the submitted sample.
2. The report should not be released without prior permission of Pacific School Of Engineering, Surat.
3. Sample will be disposed after 07 days from the date of issue of report.
4. For the publication of the report, prior permission must be required from Pacific School Of Engineering, Surat.

Analyzed by:

H.J. Patel
Dr. Himanshu Patel
(Sr. Chemist)

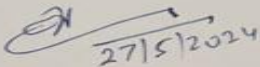
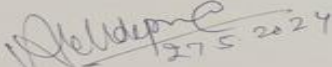
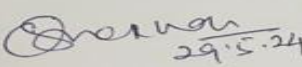


Authorized by:

Dr. Hiral Tailor
Dr. Hiral Tailor
(Technical Manager)

END OF REPORT

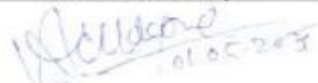
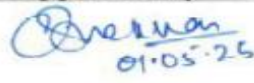
Annexure-09: ONSITE & OFFSITE EMERGENCY PLAN

Doc. No.: HZR/HSE/OEP-DMP		
ON-SITE EMERGENCY PLAN (May - 2024)		
 ONGC, Hazira Plant, Surat		
Reviewed by  27/5/2024 V A Rao GM(P)-HSE	Co-Reviewed by  27.5.2024 A E Udapure CGM-Head HSE	Approved by  29.5.24 Chandra Shekhar ED-Plant Manager

Offsite Emergency Plan Of Hazira Plant (Revision-14)



Updated May, 2025

Prepared by	Reviewed by	Approved by
 V A Rao GM(P)-HSE	 A E Udapure CGM - Head HSE	 Chandra Shekhar ED - Plant Manager

Oil and Natural Gas Corporation Limited, Hazira Plant,
PO. ONGC Nagar. District Surat – 394518.