



गेल (इंडिया) लिमिटेड

GAIL (India) Ltd.

(A Government of India Undertaking)
(A Maharatna Company)

पोस्ट: गेल कॉम्प्लेक्स, विजयपुर

जिला गुना (म.प्र) 473 112

P.O. GAIL COMPLEX, VIJAIPUR

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GAIL/VIJP/EMC/10/EC-Compliance/05/2023

Date: 26.05.2023

To,

Addl. Principal Chief Conservator of Forests (Central),
Ministry of Environment & Forests,
Regional Office,
Kendriya Paryavaran Bhavan,
Link Road No .3,
Bhopal – 462016.

Sub: Regarding Six Month Point-wise Compliance (Oct'22 to Mar'23) Status of Conditions under Environment Clearance accorded to GAIL (India) Ltd. Vijaipur, by Ministry of Environment & Forests.

**Ref.: Your letter No. J-11011/168/2011-IA II (I) dated 02.03.2012 for C2C3 recovery & GPU
Your letter No. J-11011/46/2002-IA II (I) dated 09.10.2002 for Dahej Vijaipur Pipeline (DVPL).
Your letter No. J-11011/1054/2007-IA II (I) dated 08.01.2008 for Vijaipur Dadri Pipeline (VDPL).
Your letter No. J-11011/234/2005-IA(II)-I Dated 25.08.2005 for Vijaipur Kota Pipeline (VKPL).
Your letter No. J-11011/11/91-IA-II Dated 17.07.1992 for upgradation of HBJ pipeline
Your letter No. J-11011/19/88-IA Dated 24.05.1988 for LPG recovery plant**

Dear Sir,

This is in reference to the Environment Clearances, under the provisions of EIA Notification dated 14th September 2006, accorded by your good office to **GAIL (India) Ltd.** Respectively as per ref. in accordance with the Environment (Protection) Act, 1986; Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981.

In regard to the same & in compliance of the conditions stipulated in the respective Environment Clearances, the Six – monthly (October 2022 to March 2023) point-wise compliance status of the conditions under the various clearances accorded by MoEF for the pipelines under the aegis of GAIL Vijaipur are being enclosed for your ready reference.

Thanking you.

Sincerely Yours,

For GAIL (India) Ltd., Vijaipur


Pintu Jain

Manager (EMC)

GAIL Vijaipur

CC : 1.Member Secretary, Madhya Pradesh Pollution Control Board, E-5, Arera Colony ,Bhopal
2.In charge , Central Pollution Control Board, Parivesh Bhawan, E-5, Arera Colony,Bhopal

**Point-wise Compliance Status of Conditions under Environmental Clearance accorded to C2C3 Complex,
GAIL Vijapur**

EC Ref. No. J-11011/168/2011-IA II (I) dated 02.03.2012

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
B	General Conditions	
1	The Project Authorities must strictly adhere to the stipulations made by the Madhya Pradesh Pollution Control Board.	We will strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
2	No further expansion or modifications in the plant 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 the conditions imposed & add additional environmental protection measures required, if any.	No further expansion or modification will be carried out without prior approval of the Ministry of Environment & Forest.
3	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) & 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.	Complied. 2 nos. of real time AAQMS stations have installed in upwind & downwind directions. Photos of AAQM station is attached as Annexure 1
4	The overall noise levels in the plant shall be kept well within the standards by providing noise controls measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dB (A) (day time) & 70 dB (A) (night time).	Acoustic enclosures provided for all points sources for noise emissions as well as high noise zones clearly demarcated within plant premises as per Factories Act and it is mandatory for all personnel to wear ear protection PPE in plant areas. Additionally, noise levels at plant boundary are monitored & are found well within permissible limits of Noise Pollution (Control & Regulation), 2010
5	The Company shall harvest rainwater from the rooftops of the buildings & storm water drains to recharge the ground water & use the same water for the process activities of the project to conserve fresh water.	Rain water harvesting through roof-top has been provided for buildings in the new plant.

6	Training shall be imparted to all employees on safety & health aspects of chemicals handling. Pre-employment and routine periodical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	First-time & refresher training is regularly provided by F&S department on safety & health at GAIL Vijaipur. Annual Overall Health Check-up (OHC) done as per Factories Act for all employees. Safety Training roster is being maintained for all contract employees as well.
7	The company shall also comply with all the environment protection measures & safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/ EMP in respect of environment management, risk mitigation measures and public hearing relating to the project shall be implemented.	All the environment protection measures & safe guards proposed are complied at the time of commissioning.
8	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 & administration.	Same is in practice as is evident from the all-round development in surroundings and shall be continued as part of Corporate CSR strategy. CSR Activities for FY 22-23 is attached as Annexure 2
9	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied as part of CSR Programme.
10	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Environment Management Cell headed by Sr. Executive is already functioning to carry out the Environment Management & Monitoring functions.
11	The company shall earmark sufficient funds towards capital cost & recurring cost per annum to implement the conditions stipulated by the MoEF as well as State government alongwith the implementation schedule of for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	The funds so provided to implement the conditions shall not be diverted for any other purpose
12	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla parishad/ Municipal corporation, Urban local body, & the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied at the time

13	The Project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental clearance conditions including results of monitoring data (both in hard copies as well as by e-mail) to the respect regional office of MoEF, the respective zonal office of CPCB & MPPCB. A copy of Environmental clearance & six monthly compliance status shall be posted on company's website.	Six monthly EC compliance reports are sent to regional office of MoEF, zonal office of CPCB & MPPCB. Six monthly compliance reports is also posted in the company's website
14	The environment statement for each financial year ending 31st March in Form V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of the MoEF by e-mail.	Environmental Statement for each financial year is submitted to the Madhya Pradesh Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. And the same is uploaded in the company's website. Attached as Annexure 3
15	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 State Pollution control Board/ Committee & may also be seen at the website of the Ministry & Forests at http://www.envfor.nic.in . This shall be advertised within 7 days from the date of issue of the clearance letter, in at least 2 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 should be forwarded to the Ministry's RO at Bhopal.	Complied at the time of receiving the clearance
16	The project authorities should inform the regional office as well as the Ministry, the state of financial closure and final approval of the project by the concerned authorities and the date of commencing the Land development work.	Complied at the time of receiving the clearance
A	Specific Conditions	
1	All the specific and general conditions specified in the environment clearance letters accorded vide Ministry's letter nos. J-11011/19/88-IA.II-(I) dated 24th May 1988, J-11011/46/2002-IA.II dated 9th October 2002 & J-11011/1054/2007-IA.II dated 8th January 2008.	Complied and status submitted at the time of application to SPCB as well.

2	M/s GAIL (India) Ltd. shall comply with new standards / norms prescribed for petrochemical industry notified under the Environment (Protection) Rules, 1986.	Necessary precautions and actions have been taken care while designing & engineering of the project by M/s EIL and standards/norms are being taken care of during operation of plant.
3	The process emissions (particulate matter, SO ₂ , NO _x , HC, CO & VOCs) from various units shall conform to all standards prescribed by the CPCB/ MPPCB from time to time. At no time, the emissions levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measure are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	Necessary precautions and actions have been taken care while designing & engineering of the project by M/s EIL and levels of emissions are being taken care of during operation of plant.
4	Low NO _x burner shall be installed to control NO _x emissions.	Already incorporated in design of the units and Low NO _x burners have been installed and hence the condition is complied.
5	Ambient Air Quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R. No. 826 €dated 16th September, 2009.	All Ambient Air data is collected and analyses based on NAAQS Standards.
6	In-plant control & monitoring measures for checking fugitive emissions from all the vulnerable sources should be provided. Adequate dust suppression systems with water spray system shall be provided for storage yard, junction houses. Raw material loading & unloading areas should be covered and also provided with water spraying systems. Fugitive emission in the Work zone environment, product, raw materials, storage area etc. shall be regularly monitored and record maintained. The emissions should conform to the limits stipulated by MPPCB.	Natural Gas which is a clean fuel is the raw material for our plant and the same is received through pipeline. Hence dust suppression system is not required. Necessary emission detection instruments are strategically installed at various locations in the plant. They are being continuously monitored and records maintained during operation of the plant
7	Steps shall be taken to minimize fugitive emissions. Monitoring of fugitive emissions shall be carried out as per guidelines of CPCB by fugitive emissions detector and report shall be submitted to the Ministry's Regional Office at Bhopal. Continuous monitoring system for VOC's at all important places / areas should be ensured. When monitoring results indicate above the permissible limits, effective measures need to be taken immediately.	Necessary emission detection instruments are strategically installed at various locations in the plant. They are being continuously monitored and records maintained during operation of the plant. Continuous monitoring system for VOC's are provided in the AAQMS stations. Effective measures would always be put in place to keep emissions within limits.

8	<p>Continuous ambient air quality monitoring stations for PM10, SO2, NOx, CO, HC & VOCs shall be set up in the petrochemical complex in consultation with CPCB/ MPPCB. Unit shall follow CPCB/ MoEF calibration protocol for the calibration of continuous Stack as well as ambient air quality monitoring analyzer installed in all stations. Data of stack monitoring and ambient air shall be displayed on web as well as outside the premises at prominent place for public viewing. The company shall upload the results of the monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, respective zonal offices of CPCB & MPPCB.</p>	<p>Two numbers of AAQMS are placed inside the plant. One in the upwind direction and other in the downwind direction of the constructed plant. Data being transmitted to CPCB & MPPCB website and also displayed at prominent place (Annexure 4). The monitoring reports are uploaded in the company's website. And the same is sent to Regional Office of MoEF, respective zonal offices of CPCB & MPPCB. The monitoring report is attached as Annexure 5</p>
9	<p>A proper Leak detection & Repair (LDAR) Program shall be prepared and implemented. Focus shall be given for prevention of fugitive emissions for which maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to.</p>	<p>A proper Leak Detection & Repair program is being carried out . Proper maintenance of mechanical seals of pumps and valves are given. Preventive maintenance schedule is prepared and being followed. The latest report is attached as Annexure 6</p>
10	<p>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 the noise pollution.</p>	<p>For dispersal of gaseous emissions if any from DG set is done through adequate stack height. Acoustic enclosure is provided to the DG sets to mitigate the noise pollution</p>
11	<p>The total freshwater requirement from Gopikrishna Sagar Dam shall not exceed 830 m3/hr and prior permission from the concerned authority. No ground water shall be used.</p>	<p>Total fresh water requirement from GopiKrishna Sagar dam will not exceed 830 m3/hr. No ground water is used in the plant.</p>
12	<p>As proposed additional effluent generation shall not exceed 133 m3/hr. Industrial effluent shall be treated in effluent treatment plant (ETP) and treated effluent shall be recycled and reused within factory premises. Company shall construct guard pond for collection of treated effluent and shall carry out water quality test by collecting the treated effluent before application. Water quality of treated effluent shall conform to the norms prescribed by CPCB/ MPPCB from time to time. As proposed, sewage shall be transferred to aeration tank alongwith process wastewater.</p>	<p>Additional effluent generation shall not exceed 133 m3/hr. Treated effluent is constantly monitored through real-time EQMS and conforms to prescribed limits. As per design, sewage is transferred to aeration tank.</p>
13	<p>No effluent shall be discharged outside factory premises and 'Zero' discharge concept shall be adopted.</p>	<p>Noted. The same shall be complied at all times since GAIL Vijaipur is already a Zero-discharge facility.</p>

14	Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Noted. The same shall be complied.
15	The company shall obtain Authorisation for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling & Trans-boundary movement) Rules, 2008 and amended as on date for management of Hazardous Wastes and prior permission from MPPCB shall be obtained for disposal of solid/ hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency.	Hazardous waste authorization has been obtained under combined consent for C2C3 & Gas Processing Unit, GAIL Vijaipur
16	Spent catalyst & bottom tank sludge shall be sent to authorised recyclers/ reprocessors.	Noted and shall be complied in case applicable.
17	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process like material handling. Fire fighting system should be as per the OISD norms. All the OISD standards shall be followed.	Full-fledged Fire & safety department exist and is well equipped with adequate infrastructure & resources to meet any emergency. All OISD norms are followed.
18	OISD guidelines shall be followed for minimum distance between various units.	Complied during design and engineering.
19	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 Vehicles Act (MVA), 1989	Complied as applicable.
20	The company shall undertake following waste minimisation measures:	
	a) Metering & control of quantities of active ingredients to minimise waste.	Complied.
	b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Noted and shall be complied in case applicable.
	c) Use of automated filling to minimize spillage	Not applicable since no routine filling activity takes place.
	d) Use of Close feed system in batch reactors	Not applicable since batch processing does not take place at GAIL Vijaipur. However, entire plant operation is in closed loop.
	e) Venting equipment through vapor recovery system.	All gas venting (either planned or unplanned) is routed through our Flare recovery system wherein Flare gas is recovered & utilized as Fuel gas at plant & township (cooking gas).

	f) Use of High pressure hoses for equipment cleaning to reduce wastewater generation	High pressure air line as part of utilities has been installed in plant areas for reducing water-based cleaning activities.
21	Green belt shall be developed in 33% area to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO. Thick greenbelt with suitable plant species shall be developed around the proposed expansion.	Existing Green Belt area is greater than 33% of total plant area inclusive of 10000 nos. of local species of trees are planted in the campus.
22	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened & the regular medical test records of each employee shall be maintained separately.	Occupational health surveillance programme is under taken as regular exercise for all employees (Annexure 7). Regular medical test records of each employee are maintained separately.
23	All the recommendation mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	Complied at the time.
24	All the commitments made during the Public hearing/ Public Consultation meeting held on 9th September 2011 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Complied at the time.
25	Company shall prepare project specific environmental manual and a copy shall be made available at the project site for the compliance.	Complied
26	Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006/-IA.II(I) dated 26th April, 2011 and implemented. Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in & around the project.	Complied at the time. Sufficient budgetary expenditures are being undertaken under GAIL CSR programs with project details appended.
27	Provision shall be made for the housing for the construction labor within the site with all the necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical healthcare, creche, etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surroundings.	Complied at the time.

Point-wise Compliance Status of Conditions under Environmental Clearance accorded to Vijaipur - Dadri Pipeline (2008)

EC Ref No : J-11011/1054/2007-IA II(I) Dated :08.01.2008

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
B	General Conditions	
1	The Project Authority must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We will strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
2	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry. While laying the pipeline, OISD standards with regard to distance etc; from private buildings, industrial buildings or placed or habitation etc should be followed	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry. The pipelines are laid and operated in compliant with OISD Standards.
3	During the project construction phase, adequate care must be exercised for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.	Adequate care has been made during the project construction phase for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.
4	The Project Authorities must strictly comply with the rules & regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained.	We are complying to the rules and regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 2000. Necessary approvals had been obtained from other statutory bodies
5	Detailed Risk Analysis of the pipeline and associated facilities must be done once the Engineering design & layout is frozen. Based on this, on site & off site Emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning the project.	Based on the risk analysis onsite and offsite Emergency preparedness plan has been prepared and approval has been obtained. Attached as Annexure 8
6	Adequate provisions for infrastructural facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during construction phase so as to avoid felling of trees & pollution of water & the surroundings.	Complied during construction phase.

7	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.	We shall ensure to comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.
8	The project proponent should have a scheme for social upliftment in the surrounding villages with reference to contribution to road construction, education of Health centres, sanitation facilities, drinking water supply, community awareness and employment to local people whenever & wherever possible both for technical & non-technical jobs.	Complied time to time through CSR Projects. FY 22-23 CSR activities are attached as Annexure 2
9	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence
10	The project authorities will provide adequate funds both recurring & non-recurring to implement the conditions stipulated by the Ministry of Environment & 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 for any other purpose.	The funds so provided to implement the conditions shall not be diverted for any other purpose
11	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A Six monthly compliance status report should be submitted to monitoring agencies.	Half yearly Environmental Clearance compliance report is being submitted to the Board regularly
12	A separate environmental management cell with full-fledged laboratory facilities to carry out various management & monitoring activities should be set up under the control of a senior executive.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence

13	The project proponent should advertise in at least 2 local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned informing the 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/ Committee & may also be seen at the website of the Ministry & Forests at http://www.envfor.nic.in the advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's RO at Bhopal.	Complied at the time of receiving the clearance
14	The project authorities should inform the regional office as well as the Ministry, the state of financial closure and final approval of the project by the concerned authorities and the date of commencing the Land development work.	Complied at the time of receiving the clearance
A	Specific Conditions	
1	Environmental Clearance is subject to obtaining clearance from the national board for Wildlife/ Competent Authority under the Wildlife (Protection) Act, 1972	Complied. Forest clearance has been obtained for this project.
2	Environmental Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation vs. Union of India in writ petition (civil) No. 460 of 2004 as may be applicable to this project.	The final decision of the Hon'ble SC in the matter of W.P. (civil) no. 460 of 2004 is not applicable since mining activity was not carried.
3	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas shall be governed by ASME/ANSI B31.8/ B31.4 and OISD standard 141	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas area as per ASME/ANSI and OISD standards
4	Annual safety audit should be carried out for the initial 3 years by an independent agency and report submitted to this Ministry for ensuring the strict compliance of safety regulations on Operation & Maintenance.	External safety audit is being carried out and the report of the same along with compliance report is being submitted to PESO regularly. Copy attached as Annexure 9

5	The construction of Pipeline particularly at the river and stream crossings should be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankments and dykes shall be restored adequately after installation of crossings.	At the time of construction of pipeline were done in such a manner that avoids disturbance of breeding seasons and soil erosions. And everything were restored adequately after installation of crossings
6	Pipeline Wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings should be in conformity with ANSI/ASME requirements.	Pipeline Wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings are as per ANSI/ASME requirements.
7	The company shall follow horizontal drilling technique for laying of the pipeline while passing through major rivers.	Horizontal drilling technique for laying of pipeline was followed while passing through major rivers if any
8	The company shall obtain forest clearance under the forest (Conservation) Act 1980 while passing through forest land.	Complied. Forest clearance has been obtained for this project.
9	The project authorities should plant a minimum of 10 trees for every tree cut along the pipeline route in consultation with the local DFO (s).	Complied at the time of construction
10	The project authorities should install SCADA system for safe operation of Pipeline & Leak detection system. Additional sectionalizing valves in the residential areas and sensitive installations should be provided to prevent the amount of LNG going to the atmosphere in the event of pipeline failure. Intelligent pigging facility should be provided for the entire pipeline system for internal corrosion monitoring. Coating & Impressed current cathodic protection system should be provided to prevent external corrosion.	SCADA system is installed throughout the pipeline. SV stations are provided in sensitive areas. Intelligent pigging facility is available at intermediate stations throughout the pipeline. Pipeline is coated with 3 Layer PE Coating and provided with Impressed Current Cathodic Protection System for mitigation of external corrosion
11	The project authorities will patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method (s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection systems.	Complied. Patrolling of pipeline is being done at regular intervals as stipulated in standards. Same is included in O&M guidelines of pipeline.

12	<p>The fire water facilities at the terminals must be designed as per OISD – 117 guidelines. However, for fighting prolonged fires, the company should firm up a plan for assured water supply from nearby ground water source/ surface water source. This must be complied before commissioning the project.</p>	<p>The fire water at the terminals are designed as per OISD-117 guidelines. As per calculation our fire water requirement For fighting two major fires is 5000M3/hr. For fighting two major fires for four hours fire water requirement is 20000M3/hr. in addition to above we have inter connection of fire water storage tank with Raw water reservoir</p>
13	<p>Green belt of adequate width and density should be provided to mitigate the effects of fugitive emissions all around the intermediate pumping stations. A minimum of 25 % of the total land acquired should be developed as green belt in consultation with the local DFO.</p>	<p>At Vijaipur GAIL complex, the greenbelt is developed in an area of 320 Acre. Inside the Vijaipur Plant complex there are about 74786 nos of trees and around 15000 nos in the vijaipur township. At the intermediate pumping station of Kaliaras in a land area of 6 acres greenbelt is developed with 354 nos. of trees. In Chhainsa pumping station greenbelt is developed at an area of 9.51 acre with approx. 5500 nos of trees</p>

Point-wise Compliance Status of Conditions under Environmental Clearance accorded to Vijaipur-Kota Pipeline (2005)

EC Ref No: J-11011/234/2005-IA(II)-I Dated 25.08.2005

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
A	Specific Conditions	
1	The design, material of construction, assembly, inspection, testing and safety aspects of operation & maintenance of pipeline and transporting the natural gas shall be governed by ASME/ANSI B31.8/B31.4 and OISD standard 141	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas area as per ASME/ANSI and OISD standards
2	Annual safety audit should be carried out for the initial three years by an independent agency and report submitted to this Ministry for ensuring the strict compliance of safety regulations on Operation & Maintenance.	External safety audit is being carried out and the report of the same along with compliance report is being submitted to PESO regularly
3	The construction of Pipeline particularly at the river and stream crossings should be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankments and dykes shall be restored adequately after installation of crossings.	At the time of construction of pipeline were done in such a manner that avoids disturbance of breeding seasons and soil erosions. And everything were restored adequately after installation of crossings
4	Pipeline Wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings should be in conformity with ANSI/ASME requirements.	Pipeline Wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings are as per ANSI/ASME requirements.
5	The company shall follow horizontal drilling technique for laying of the pipeline while passing through major rivers.	Horizontal drilling technique for laying of pipeline was followed while passing through major rivers if any

6	The project authorities should plant a minimum of 10 trees for every tree cut along the pipeline route in consultation with the local DFO (s).	Complied at the time of construction
7	The project authorities should install SCADA system with dedicated optical fibre based telecommunication link for safe operation of Pipeline & Leak detection system. Additional sectionalizing valves in the residential areas and sensitive installations should be provided to prevent the amount of gas going to the atmosphere in the event of pipeline failure. Intelligent pigging facility should be provided for the entire pipeline system for internal corrosion monitoring. Coating & Impressed current cathodic protection system should be provided to prevent external corrosion.	SCADA system is installed throughout the pipeline. SV stations are provided in sensitive areas. Intelligent pigging facility is available at intermediate stations throughout the pipeline. Pipeline is coated with 3 Layer PE Coating and provided with Impressed Current Cathodic Protection System for mitigation of external corrosion
8	The project authorities will patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method (s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection systems.	Complied. Patrolling of pipeline is being done at regular intervals as stipulated in standards. Same is included in O&M guidelines of pipeline.
9	The fire water facilities at the terminals must be designed as per OISD – 117 guidelines. However, for fighting prolonged fires, the company should firm up a plan for assured water supply from nearby ground water source/ surface water source. This must be complied before commissioning the project.	The fire water at the terminals are designed as per OISD-117 guidelines. As per calculation our fire water requirement For fighting two major fires is 5000M3/hr. For fighting two major fires for four hours fire water requirement is 20000M3/hr. in addition to above we have inter connection of fire water storage tank with Raw water reservoir
10	Green belt of adequate width and density should be provided to mitigate the effects of fugitive emissions all around the intermediate pumping stations. A minimum of 25 % of the total land acquired should be developed as green belt in consultation with the local DFO.	At Vijaipur GAIL complex, the greenbelt is developed in an area of 320 Acre. Inside the Vijaipur Plant complex there are about 100000 nos of trees in the plant and vijaipur township
B	General Conditions	

1	The Project Authority must strictly adhere to the stipulations made by the Madhya Pradesh and Rajasthan State Pollution Control Board and the State Governments.	We will strictly adhere to the stipulations made by the State Pollution Control Board and the State Government
2	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry. While laying the pipeline, OISD standards with regard to distance etc; from private buildings, industrial buildings or placed or habitation etc should be followed	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry. The pipelines are laid and operated in compliant with OISD Standards.
3	During the project construction phase, adequate care must be exercised for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.	Adequate care has been made during the project construction phase for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.
4	The Project Authorities must strictly comply with the rules & regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended in 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained.	We are complying to the rules and regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 2000. Necessary approvals had been obtained from other statutory bodies
5	Detailed Risk Analysis of the pipeline and associated facilities must be done once the Engineering design & layout is frozen. Based on this, on site & off site Emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning the project.	Based on the risk analysis onsite and offsite Emergency preparedness plan has been prepared and approval has been obtained. Attached as Annexure 8
6	Adequate provisions for infrastructural facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during construction phase so as to avoid felling of trees & pollution of water & the surroundings.	Complied during construction phase
7	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.	We shall ensure to comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.
8	The project proponent should have a scheme for social upliftment in the surrounding villages with reference to contribution to road construction, education of Health centres, sanitation facilities, drinking water supply, community awareness and employment to local people	Complied time to time through CSR Projects. FY 22-23 CSR activities are attached as Annexure 2

	whenever & wherever possible both for technical & non-technical jobs.	
9	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence
10	The project authorities will provide adequate funds both recurring & non-recurring to implement the conditions stipulated by the Ministry of Environment & 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 for any other purpose.	The funds so provided to implement the conditions shall not be diverted for any other purpose
11	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional office at Bhopal/ Lucknow State Pollution Control Board/ Central Pollution Control Board. A Six monthly compliance status report should be submitted to monitoring agencies.	Half yearly Environmental Clearance compliance report is being submitted to the Board regularly
12	A separate environmental management cell with full-fledged laboratory facilities to carry out various management & monitoring activities should be set up under the control of a senior executive.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence
13	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 state pollution control board/Committee & may also be seen at the website of the Ministry & Forests at http://www.envfor.nic.in . This should be advertised within seven days from the date of issue of 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 should be forwarded to the Regional Offices at Bhopal and lucknow.	Complied at the time of receiving the clearance
14	The project authorities should inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the Land development work.	Complied at the time of receiving the clearance

Point-wise Compliance Status of Conditions under Environmental Clearance accorded to Dahej - Vijaipur Pipeline (2002)

EC Ref. No J-11011/46/2002-IA II(I) Dated :09.10.2002

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
B	General Conditions	
1	The Project Authority must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We will strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
2	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry.	There will be no change in the Pipeline route, design, capacity without the prior approval of this Ministry
3	During the project construction phase, adequate care must be exercised for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.	Adequate care has been made during the project construction phase for protection to public life, wildlife, forest, power line, buildings etc. in the vicinity of Pipeline and in consonance with local government regulations.
4	The Project Authorities must strictly comply with the rules & regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained.	We are complying to the rules and regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 2000. Necessary approvals had been obtained from other statutory bodies
5	Detailed Risk Analysis of the pipeline and associated facilities must be done once the Engineering design & layout is frozen. Based on this, on site & off site Emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning the project.	Based on the risk analysis onsite and offsite Emergency preparedness plan has been prepared and approval has been obtained. Attached as Annexure 8
6	Adequate provisions for infrastructural facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during construction phase so as to avoid felling of trees & pollution of water & the surroundings.	Complied during construction phase.

7	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.	We shall ensure to comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan and risk analysis report.
8	The project proponent should have a scheme for social upliftment in the surrounding villages with reference to contribution to road construction, education of Health centres, sanitation facilities, drinking water supply, community awareness and employment to local people whenever & wherever possible both for technical & non-technical jobs.	Complied time to time through CSR Projects. FY 22-23 CSR activities are attached as Annexure 2
9	A separate Environmental Management Cell equipped with full-fledged laboratory facilities must be set up to carry out the Environmental Management and monitoring functions.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence
10	The project authorities will provide adequate funds both recurring & non-recurring to implement the conditions stipulated by the Ministry of Environment & 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 for any other purpose.	The funds so provided to implement the conditions shall not be diverted for any other purpose
11	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A Six monthly compliance status report should be submitted to monitoring agencies.	Half yearly Environmental Clearance compliance report is being submitted to the Board regularly
12	A separate environmental management cell with full-fledged laboratory facilities to carry out various management & monitoring activities should be set up under the control of a senior executive.	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence

13	<p>The project proponent should advertise in at least 2 local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned informing the 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/ Committee & may also be seen at the website of the Ministry & Forests at http://www.envfor.nic.in the advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's RO at Bhopal.</p>	Complied at the time of receiving the clearance
14	<p>The project authorities should inform the regional office as well as the Ministry, the state of financial closure and final approval of the project by the concerned authorities and the date of commencing the Land development work.</p>	Complied at the time of receiving the clearance
A	Specific Conditions	
1	<p>The design, material of construction, operation & maintenance of pipeline shall be as per API.ANSI.ASME Codes and OISD standards. Pipeline wall thickness and minimum depth of burial a river crossings and casing at rails, major road crossings should be in conformity with ANSI/ ASME requirements.</p>	<p>The design, material of construction, operation & maintenance of pipeline are as per API.ANSI.ASME Codes and OISD standards.</p>
2	<p>Annual safety audit should be carried out for the initial 3 years by an independent agency and report submitted to this Ministry for ensuring the strict compliance of safety regulations on Operation & Maintenance.</p>	<p>External safety audit is being carried out and the report of the same along with compliance report is being submitted to PESO regularly. Copy of the latest submission letter is attached as Annexure 9</p>
3	<p>The construction of Pipeline particularly at the river and stream crossings should be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankments and dykes shall be restored adequately after installation of crossings.</p>	<p>At the time of construction of pipeline were done in such a manner that avoids disturbance of breeding seasons and soil erosions. And everything were restored adequately after installation of crossings</p>

4	<p>The project authorities should plant a minimum of 10 trees for every tree cut along the pipeline route in consultation with the local DFO (s). The company should develop a special forestry programme to benefit the project affected local people in consultation with the local DFO/ village Panchayat/ NGO.</p>	<p>Adequate amount of green belt were developed during the construction of pipeline.</p>
5	<p>The project authorities will patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method (s) of testing as envisaged in the LMP. Pearson survey and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection systems.</p>	<p>Complied. Same is included in O&M guidelines of pipeline.</p>
6	<p>The project authorities should install SCADA system for safe operation of Pipeline & Leak detection system. Additional sectionalizing valves in the residential areas and sensitive installations should be provided to prevent the amount of LNG going to the atmosphere in the event of pipeline failure. Intelligent pigging facility should be provided for the entire pipeline system for internal corrosion monitoring.</p>	<p>SCADA system is installed through out the pipeline. SV stations are provided in sensitive areas. Intelligent pigging facility is available at intermediate stations through out the pipeline.</p>
7	<p>Hydrocarbon gas detectors should be installed at strategic locations in the compressor stations and intermediate pigging stations.</p>	<p>Hydrocarbon gas detectors are installed at strategic locations.</p>
8	<p>The fire water facilities at the terminals must be designed as per OISD – 117 guidelines. However, for fighting prolonged fires, the company should firm up a plan for assured water supply from nearby ground water source/ surface water source. This must be complied before commissioning the project.</p>	<p>The fire water at the terminals are designed as per OISD-117 guidelines.</p>
9	<p>Green belt of adequate width and density should be provided to mitigate the effects of fugitive emissions all around the intermediate pumping stations. A minimum of 25 % of the total land acquired should be developed as green belt in consultation with the local DFO.</p>	<p>Adequate greenbelt is developed so as to mitigate the effects of fugitive emissions if any</p>

Point-wise Compliance Status of Conditions under Environmental Clearance accorded to Upgradation of HBJ Pipeline

EC Ref No: J-11011/11/91-IA-II Dated 17.07.1992

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
1	Clearance under the Forest (Conservation) Act,1986 should be obtained from this Ministry for the lands proposed to be acquired will remain unchanged. A study should be made on the likely impact of pipeline on the forests and wildlife in consultation with Wild Life Institute of India, Dehradun	Complied at that time
2	Approval from the respective State Pollution Control Board, Rajasthan, UP and Haryana should be taken. Project authorities must strictly adhere to the stipulation made by the State Pollution Control Boards, State governments and Central Pollution Control Board.	Complied at that time
3	While laying the pipeline, Oil Industries Safety Directorate standards with regard to the distance or place from private buildings industrial buildings or placed or habitation etc should be followed	All the pipelines were laid as per the standards given by Oil Industries Safety Directorate.
4	The project authorities must provide proper safe measures against the damage due to leak and explosions to adjacent facilities and on terminals	All the required safe measures has been provided
5	The authorities must install necessary measures for safety audits on the pipeline system, in respect of regulation of flow, remedial measure against gas pilferage etc. Annual safety audit should be sent to this Ministry every year	Annual safety audits are carried out and reports are sent to the ministry
6	The project authorities must ensure that during laying of the pipeline minimum damage occurs to the land and it does not lead to corrosive conditions. The land has to be restored to its original condition to the extent possible.	Complied at that time
7	All construction activities should be in accordance with the local government regulation and shall be performed by the competent and qualified personnel for providing adequate protection to the general public, livestock, wildlife, forest powerlines, buildings etc. in the vicinity of the pipeline	Complied at that time
8	The project authority will setup adequate run of effluent quality monitoring stations in consultation with the concerned state Board. Recorded data should be furnished to the state Boards once in three months and once in 6 months to this ministry	Complied. Monthly monitoring reports are sent to the ministry regularly

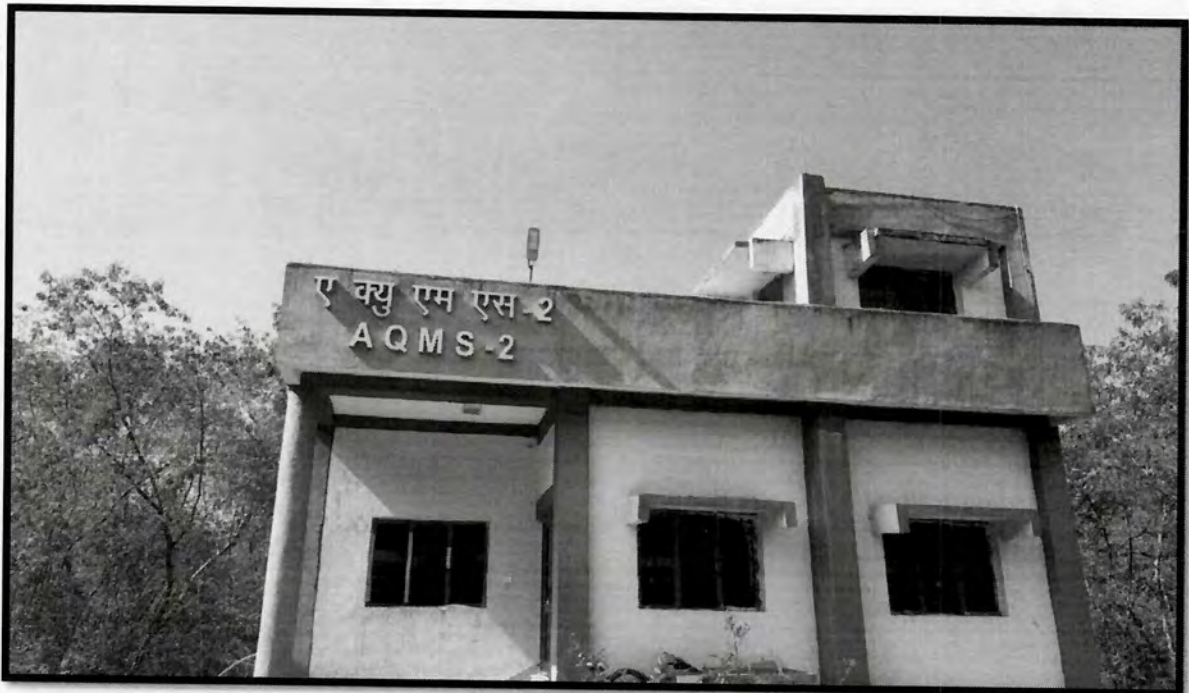
9	The project authority must submit detailed statement on equipment proposed to be used for oil recovery within three months to this ministry	Complied at that time
10	The project authority will inspect the pipeline regularly for any defects by adopting a non destructive method of testing and take corrective steps, if necessary.	Complied. Patrolling of pipeline is being done at regular intervals as stipulated in standards. Same is included in O&M guidelines of pipeline.
11	The project authority should submit detailed report on the proposed compensatory afforestation programme within a period of three months	Complied at that time
12	The project authority should submit a disaster management plan specially with regard to public safety, based on risk analysis within a period of one year. The detailed risk analysis report should also be prepared including the existing HBJ pipelines	Onsite and offsite disaster management plan has been prepared
13	The project authority must submit a field survey report indicating the major human settlements, structure, no.of trees to be cut etc. along the proposed pipeline route within six months	Complied at that time
14	The project authority should establish laboratory facilities for collection and analysis of samples under the guidance of senior technical persons	Complied
15	The project authority will set up a separate Environmental management cell for implementation of all the above stipulations under the central of a senior technical person who will report directly to chief executive	Separate environmental management cell with laboratory facilities to carry out various management & monitoring activities is in existence
16	Project authority will provide adequate funds both actual and recurring expenditure along with the implementation schedule for all conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	The funds so provided to implement the conditions shall not be diverted for any other purpose
17	Six monthly progress report on the action taken to implement the above conditions should be submitted	Complied at that time
18	Comprehensive EIA report should be prepared and submitted by December 1992	Complied at that time

Point-wise Compliance Status of Conditions under Environmental Clearance accorded to LPG Recovery Plant

EC Ref No: J-11011/19/88-IA Dated 24.05.1988

S. No.	Details of Conditions under Environmental Clearance	Status of Compliance
1	A greenbelt of 42 ha would be developed all along the periphery of the plant. Another greenbelt will be developed between the plant and the colony. Prior approval will be obtained on the design of the greenbelt.	Greenbelt has been developed all along the periphery of the plant. Greenbelt is developed between the plant and the colony
2	Project authorities will maximize transportation of goods by rail to minimize congestion and distributed sources of pollutants	Complied during project commissioning.
3	Fuel will be provided to construction workers by the project authorities	Complied during project commissioning
4	Guard pond of sufficient holding capacity will be provided. In no case untreated effluents would be let out for irrigation or other purposes outside the premises of the plant	Complied. Guard pond of sufficient holding capacity is provided. There is no disposal of treated or untreated effluents outside the premises.
5	Sludge shall be stored in polythene lined pit of 15 years capacity	In case of sludge generation, it will be properly stored and sent to authorized recyclers.
6	All points of gaseous emission in the system will be taken to flare system	Complied. All points of gaseous emission in the system is taken to flare system.
7	Regular monitoring of ambient air quality will be undertaken and monthly results of the survey will be submitted to the State Pollution Control Board	Complied. Ambient air quality is being monitored regularly and the reports of the same is submitted to Madhya Pradesh Pollution Control Board. Monitoring reports attached as Annexure 5.
8	Any site from which earth fill is removed/ would be rehabilitated by the project authorities.	Complied at the time of construction.

AAQM STATION



Status of Vijaipur "CSR-Projects" approved for FY:2022-23

SN	Thrust Area	Details of activities	LOCATION from Vijaipur	Agreement Amount (In Lac)	No. of beneficiaries
1	GAIL-Arogya	"Support towards Providing Healthcare facility through STI-Clinic for truckers at Vijaipur, Guna(MP)"	Tanker Waiting Area, GAIL Complex, Vijaipur	15.46	5000
2	GAIL-Kaushal	"Empowerment through employment & entrepreneurship initiative for sustainable livelihood support in textile and jute to women in Vijaipur" Guna	Within 100 Km radius to GAIL-Vijaipur	36.285	60
3	GAIL-Arogya	Support for "Comprehensive General Health Camps-Focus on Skin and Eye disease" at Guna	Within 100 Km radius to GAIL-Vijaipur	49.625	12500
4	GAIL-Kaushal	"Support for sustainable livelihood of poor women SHG members by providing skill training & establishing rural marts at Guna (MP)"	Within 30 Km radius to GAIL-Vijaipur	97.27	600
5	GAIL-Kaushal	Provision for statutory payment towards recurring leasing rent against GAIL-Institute of Skills land, Guna (FY:2022-23)	Within 30 Km radius to GAIL-Vijaipur	6	400
6	GAIL-Arogya	"Providing Health care facility through Nishulk Chikitsa Paramarsh Kendra (NCPK), GAIL-Vijaipur (MP)"	Phase-II, GAIL-Township, Vijaipur	6	5000
7	GAIL-Ujjwal	Support for establishment of Atal Tinkering Labs (ATLs) in Guna district of Madhya Pradesh	Within 100 Km radius to GAIL-Vijaipur	78.125	4000
8	GAIL-Kaushal	Support for job linked skill training at GAIL Skill Schools Guna (MP)	Within 30 Km radius to GAIL-Vijaipur	158.94784	400
9	GAIL-Unnati	Support for Inverter & Batteries for Public waiting room near Vijaipur	Nearby to GAIL-Vijaipur	0.5	500
10	GAIL-Saksham	Support for Govt. Disabled Rehabilitation Centre-Guna	Within 30 Km radius to GAIL-Vijaipur	3.375	1000
11	GAIL-Arogya	Construction of community toilets at 04 locations at Shivpuri	Within 100 Km radius to GAIL-Vijaipur	24.70035	5000 Annual
Total Amount approved for FY (22-23) (₹ In lacs)				440.0	

ok

ANNEXURE-3



गेल (इंडिया) लिमिटेड
GAIL (India) Ltd.
(A Government of India Undertaking)
(A Maharatna Company)

पोस्ट: गेल कॉम्प्लेक्स, विजापुर
बिला गुना (म.प्र.) 473 112
P.O. GAIL COMPLEX, VIJAIPUR
DISTT. GUNA (M.P.) 473 112
दूरभाष/Phone: (07544) 274444
फैक्स/Fax: (07544) 274800

XGN ID: 19125

GAIL/VIJP/EMC/02/GPU-ES/04/2023

Date: 26.04.2023

To,
The Superintendent Engineer,
M.P. Pollution Control Board,
Paryavaran Parisar
E-5 Sector, Arera Colony,
Bhopal - 462016.

Sub: Environment Statement in respect of C2C3 Recovery & Gas Processing Unit, GAIL (India) Ltd., Vijaipur for the year 2022-23.

Ref: Combined Consent Authorisation No. AWH-54718 dated 27.11.2021.

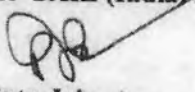
Dear Sir,

Enclosed please find herewith the copy of Form-V "Environment Statement" for the year 2022-2023, for C2C3 Recovery & Gas Processing Unit, GAIL Complex, Vijaipur.

This is for your information & record purpose please.

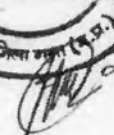
Sincerely Yours,

For GAIL (India) Ltd., Vijaipur,


Pintu Jain
Manager (EMC)

प्रबंधक (ईएमसी-जीएस) जी.पी.यू.
Manager (EMC-GPU)
गेल (इंडिया) लिमिटेड, विजापुर-गुना (म.प्र.)
GAIL (India) Ltd., Vijaipur-Guna (M.P.)




26/04/23

CC: The Regional Officer, MPPCB, Vijaipur - Guna.

पंजीकृत कार्यालय : 16, भीकाएजी कामा प्लेस, आर.के पुरम, नई दिल्ली - 110 066
Regd. Office: 16, Bhikatji Cama Place, R.K. Puram, New Delhi - 110 066

FORM – V

(See Rule – 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING 31ST MARCH 2023

C2C3 RECOVERY & GAS PROCESSING UNIT: PCB ID 19125

PART – A:

- | | |
|---|---|
| | Shri S. S. Agrawal
Executive Director (O&M – Central Region) |
| 1. Name & Address of the Owner/
Occupier of the Industry | C2C3 Recovery & Gas Processing Unit
GAIL (India) Ltd.,
Vijaipur, Dist. – Guna (MP)
Pin – 473112. |
| 2. Date of Last Environment Statement
Submitted | 05 th May, 2022 |

PART – B:

WATER AND RAW MATERIAL CONSUMPTION:

1. Water Consumption

Total Consumption	: 14404 M ³ / Day
Process	: Nil (No water is consumed for LHC production)
Industrial (Cooling/ Boiler)	: 12740 M ³ / Day
Domestic (including township)	: 1664 M ³ / Day

Name of the Product	Water consumption per unit of Product	
	During the previous Financial Year (2021-22)	During the current Financial Year (2022-23)
	(1)	(2)
Liquid Hydrocarbon (LPG, Propane, Naphtha/ SBP, & Pentane)	4.69 M ³ / MT	6.09 M ³ / MT

2. Raw Material Consumption

Name of the Raw Material	Name of the Product	Consumption of raw material per unit of output	
		During the previous Financial Year (2021-22)	During the current Financial Year (2022-23)
		Natural Gas	Liquid Hydrocarbon (C2C3, LPG, Propane, Naphtha/ SBP,

& Pentane)

PART - C:

POLLUTION GENERATED:

(Parameters as specified in the consent issued)

Sr. No.	Pollutants	Quality of Pollution Generated	Generated Percentage of variation from prescribed Standards with Reasons
(a)	Water	BOD = 8.37 mg/l COD = 47.9 mg/l pH = 7.31 units TSS = 30.2 mg/l O & G = 1.28 mg/l Phenol = Not Detectable	The actual values of the parameters are well within the limits of the prescribed standards as per Consent Conditions
(b)	Ambient Air	PM ₁₀ = 55.13 µg/m ³ PM _{2.5} = 26.18 µg/m ³ SO ₂ = 13.63 µg/m ³ NO ₂ = 22.08 µg/m ³ CO = 0.75 mg/m ³ O ₃ = 14.87 µg/m ³ NH ₃ = < 20 µg/m ³ VOC = 0.009 µg/m ³	
(c)	Stack	SO ₂ = 12.5 mg/Nm ³ NO _x = 28.3 mg/Nm ³ CO = 19.4 mg/Nm ³ PM = 10 mg/Nm ³	

PART - D:

HAZARDOUS WASTES:

(As specified under Hazardous Wastes – Management & Handling Rules, 2016-Amended)

Sr.No.	Hazardous Wastes	Total Quantity (Litres)	
		During the previous Financial Year (2021-22)	During the current Financial Year (2022-23)
(a)	From Process (Spent Oil, Waste Stream 5.1)	18430 Litre	14900 Litre
(b)	From Control Facility (ETP) (Waste oil, Waste stream 5.2)	0 Liters	0 Liters

PART - E:

SOLID WASTES:

Sr. No.	Source	Total Quantity (Metric tonnes)	
		During the previous Financial Year (2021-22)	During the current Financial Year (2022-23)
(a)	From Process (Mol. sieves, PUF-Glass Wool, Wastes with oil residues)	10.7	15.12
(b)	From Pollution Control Facility	NIL	NIL

(c) Quantity Recycled or Reutilized	NIL	NIL
-------------------------------------	-----	-----

PART – F:

Condition	Remarks
Please specify the characteristics and quantum of hazardous as well as solid wastes and indicate disposal practices adopted for these categories	1) Used oil is being collected in drums and kept at designated storage shed and sold to CPCB/MPPCB/MoEF authorized re-processors as per authorization guidelines. 2) Solid Hazardous Wastes generated from Plant process is currently disposed through PCB authorized TSDF.

PART – G:

Condition	Remarks
Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.	1) GAIL has constantly taken the measures to conserve energy and consumption of Natural resources for its energy requirement i.e. Gas. Constant efforts in this direction has enabled the company reduce its specific energy consumption and thereby saving cost of production. 2) Approximately 5 lacs sq. mts. of Land is being maintained as a lawn area and approx. 1 Lakh trees of different categories (Teak, Ashoka, Royal Palm, Sisam, Awala, Jamun, Gulmohar, Imli, Botal Brush etc.) are planted inside plant, township & surrounding area and maintained well. 3) Total Plantations for GAIL Complex, Vijapur in FY 22-23 are 803 nos.

PART – H:

Condition	Remarks
Additional investment proposal for environmental protection including abatement of pollution.	Rs. 4.29 Cr-- for Energy Saving initiatives, Environment Monitoring, ETP O&M, Consent Fees and Waste Management (FY 2022 – 2023).

PART – I:

Miscellaneous

Condition	Remarks
Any other particulars in respect of environment protection and abatement of pollution.	1) All Hazardous Wastes disposed through Authorized recyclers/ disposal agency only. 2) All Horticulture and Food waste converted to Manure.

Authorized signatory



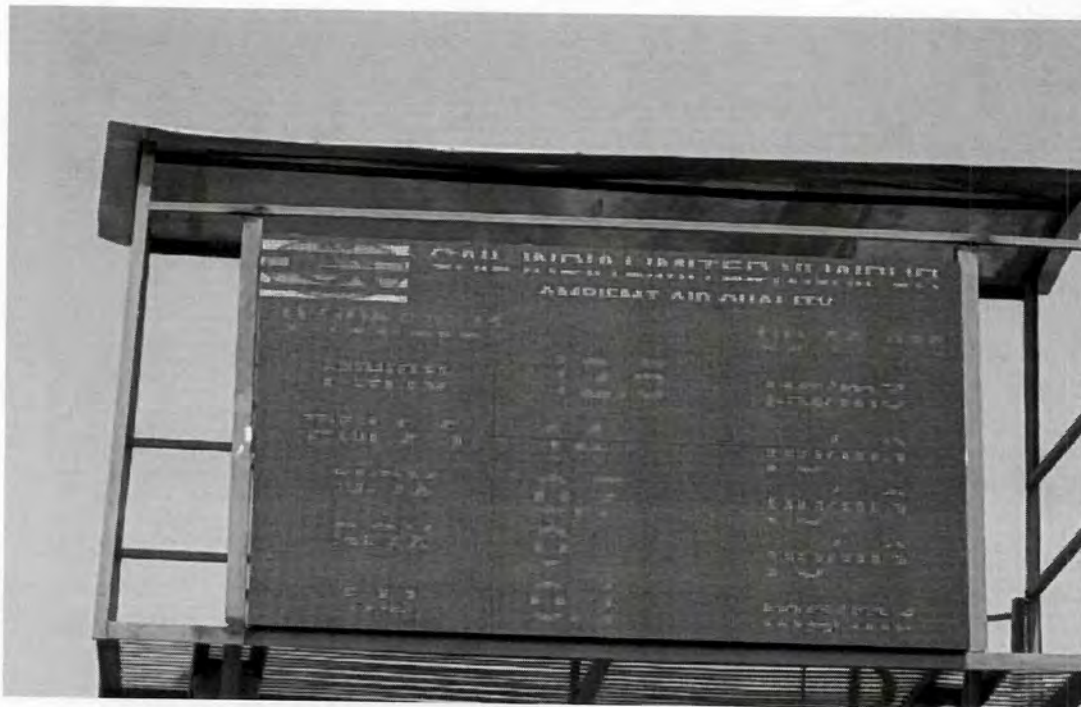
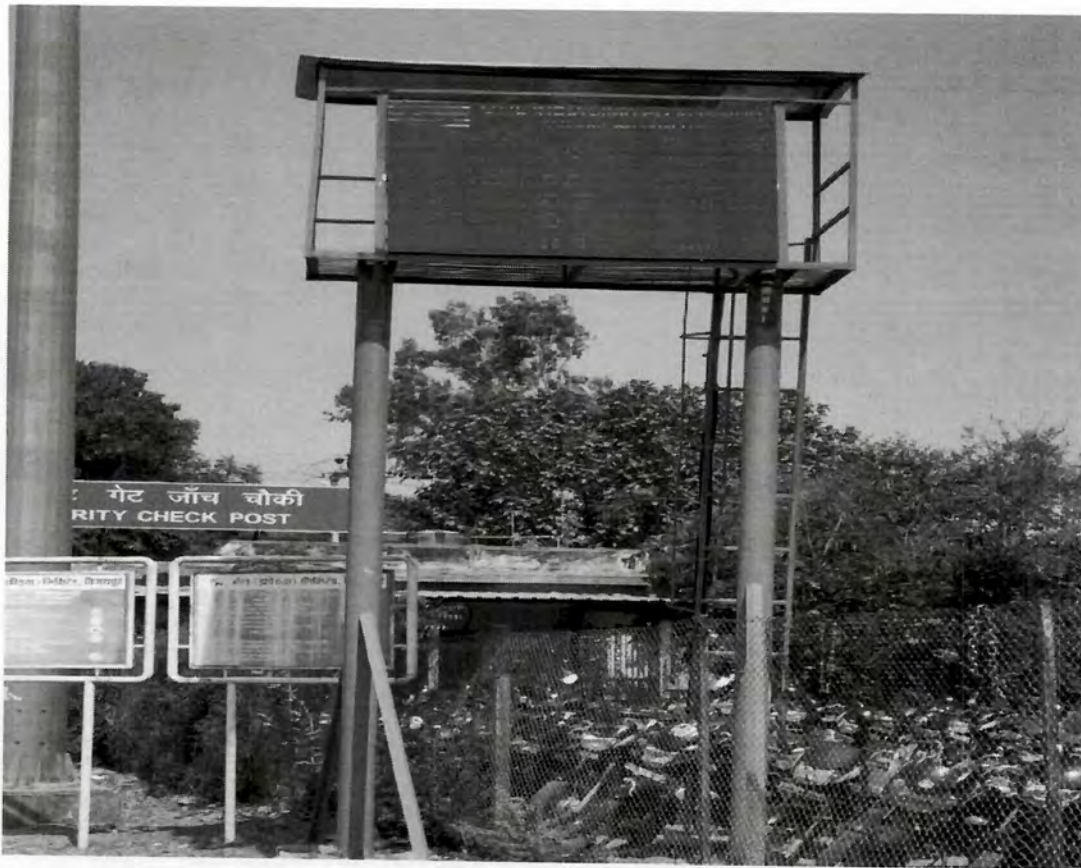
Pintu Jain
Manager (EMC)

पिन्दू जैन
Pintu Jain

प्रबंधक (ईएमसी-टीएस) बी.पी.यू.
Manager (EMC-TS) G.P.U.
गैल (इण्डिया) लिमिटेड, विजापुर-गुना (म.प्र.)
GAIL (India) Ltd., Vijapur-Guna (M.P.)

AMBIENT AIR QUALITY DISPLAY BOARD

Annexure 4





गेल (इंडिया) लिमिटेड
GAIL (India) Ltd.
(A Government of India Undertaking)
(A Maharatna Company)

पोस्ट: गेल कॉम्प्लेक्स, वीजापुर
जिला गुना (म.प्र) 473 112
P.O. GAIL COMPLEX, VIJAIPUR
DISTT. GUNA (M.P.) 473 112
दूरभाष/Phone: (07544) 274444
फैक्स/Fax: (07544) 274600

GAIL/VIJP/EMC/01/MR/2022-23

Date: 02.03.2023

To,
Sr. Scientific Officer,
M.P. Pollution Control Board,
Paryavaran Parisar,
E-5 Sector, Arera Colony,
Bhopal - 462016.

ET 003397524 IN (GWL)

Sub: Quarterly Monitoring Report of Air, Stack and noise monitoring for the 4th Quarter of 2022-2023 for GAIL (I) Ltd., Vijaipur.

Reference:

1. Combined Consent no. AW-54718 dated 27.11.2021 - C2C3 Recovery & GPU Plant.
2. Combined Consent no. AW-56332 dated 01.07.2022 - HVJ Compressor Station.
3. Combined Consent no. AW-54438 dated 14.10.2021 - DVPL Compressor & Pipeline.
4. Combined Consent no. AW-50439 dated 08.09.2019 - VDPL Compressor Station.

Dear Sir,

Please find enclosed herewith the summary of Quarterly Monitoring Report of air monitoring, stack monitoring and noise monitoring for the 4th quarter of 2022-2023 of GAIL Complex, Vijaipur as part of compliance towards various consents & its conditions as referred above.

This is for your intimation and record purpose please.

Sincerely Yours,

For GAIL (India) Ltd., Vijaipur

Santosh S.
Santosh S.
Senior Engineer (Environment)

GAIL Vijaipur

Santosh S.
Sr. Engineer (Environment)
गेल (इंडिया) लिमिटेड, वीजापुर
GAIL (India) Limited Vijaipur, Guna (M.P.)

CC: The Regional Officer, MPPCB, Gwalior

पंजीकृत कार्यालय : 16, भिकायजी कामा प्लेस, आर.के. पुरम, नई दिल्ली - 110 066
Regd. Office: 16, Bhikaiji Cama Place, R.K. Puram, New Delhi - 110 066

AMBIENT AIR MONITORING

F-864(a)

Effective date: 29.01.2015

Date of sampling: 06.02.2023 to 09.02.2023

Sampling Time Weighted Average in Hrs: For CO, O3 = 1.0 Hrs and for other parameters 24.0 hrs.

Parameters	UoM	Permissible Limits (NAAQS)	Locations					
			GPU Area	C2C3 Area	HVJ-DVPL-VDPL Area	ETP	CISF GATE	TECHNICAL BUILDING
PM (PM10)	µg/m ³	MAX. 100	56.75	51.86	55.4	52.3	56.1	49.6
PM (PM2.5)	µg/m ³	MAX. 60	28.99	23.2	26.5	27.1	25.6	21.5
SO2	µg/m ³	MAX. 80	18.1	13.6	25.1	11.1	25.8	13.3
NOx	µg/m ³	MAX. 80	30.23	27.58	13.7	20.2	13.0	23.4
CO	mg/m ³	MAX. 4	0.693	0.812	0.964	0.569	0.862	0.816
Ozone (O ₃)	µg/m ³	MAX. 180	7.91	9.56	10.92	8.09	13.18	9.5
Lead (Pb)	µg/m ³	MAX. 1	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia (NH ₃)	µg/m ³	MAX. 400	15.37	8.36	13.62	7.36	8.36	7.85
Benzene/ VOC (C ₆ H ₆)	µg/m ³	MAX. 5	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (A) Pyrene (BaP)	ng/m ³	MAX. 1	BDL	BDL	0.009	BDL	BDL	BDL
Arsenic (As)	ng/m ³	MAX. 6	BDL	BDL	BDL	BDL	BDL	BDL
Nickel (Ni)	ng/m ³	MAX. 20	BDL	BDL	BDL	BDL	BDL	BDL

PM₁₀: Particulate Matter less than 10 µm
 PM_{2.5}: Particulate Matter less than 2.5 µm
 BDL: Below Detectable Limit

[Handwritten Signature]
 02/03/2023

Authorized signatory:

**ANALYSIS DATA OF STACK MONITORING OF C2C3 & GAS
PROCESSING UNIT OF FEBRUARY 2023**

F- 860 (a)

Effective from: 29.01.2016

Date of Sampling:		07.02.2023 to 08.02.2023				Prescribed Permissible Limits	Units
PARAMETER	STACK FLUE GAS READINGS - POINT SOURCE						
	<u>LPG-II</u> <u>LEF GT</u> <u>Stack</u>	<u>LPG-I</u> <u>PRU Stack</u>	<u>LPG-I LEF</u> <u>GT Stack</u>	<u>LPG-II</u> <u>LGC Stack</u>			
SAMPLING DURATION	30	30	30	30	-	MINUTES	
AVERAGE FLOW RATE OF FLUE GAS FOR LPM	47867.4	51847.5	79620.4	146824.6	-	m ³ /hr	
VELOCITY	18.1	17.22	20.97	15.01	-	m/sec	
TEMPERATURE	521	417	276	242	-	°C	
PARTICULATE MATTER (PM)	8.3	8.2	6.8	6.3	50	mg/Nm ³	
OXIDES OF NITROGEN (as NO _x)	22.36	18.37	19.1	18.4	300	mg/Nm ³	
SULPHUR DIOXIDE (SO ₂)	24.02	21.36	22.23	20.82	600	mg/Nm ³	
VOLATILE ORGANIC COMPOUNDS (VOC)	15.11	8.91	10.24	13.11	-	mg/Nm ³	
CARBON MONOXIDE (CO)	6.3	8.3	5.23	8.31	-	mg/Nm ³	

Legend:
BDL: Below Detectable Limit

Authorized Signatory:

Santosh
02/03/2023

**ANALYSIS DATA OF STACK MONITORING OF HVJ, DVPL & VDPL
COMPRESSORS OF FEBRUARY 2023**

F- 861 (a)

Effective from 29.01.2015

PARAMETER	STACK FLUE GAS READINGS - POINT SOURCE				Prescribed Permissible Limits	Units
	Date of Sampling: 09.02.2023					
	DVPL-A	DVPL-C	VDPL-B	GTG-A		
SAMPLING DURATION	30	30	30	30	-	MINUTES
AVERAGE FLOW RATE OF FLUE GAS FOR LPM	90069.5	86107.7	329093	1242198.2	-	m ³ /hr
VELOCITY	16.1	12.9	13.06	14.01	-	m/sec
TEMPERATURE	424	310	403	298	-	°C
PARTICULATE MATTER (PM)	6.6	8.3	7.18	7.9	50	mg/Nm ³
OXIDES OF NITROGEN (as NOx)	17.96	23.2	19.98	15.17	300	mg/Nm ³
SULPHUR DIOXIDE (SO ₂)	20.58	21.74	22.2	23.36	600	mg/Nm ³
VOLATILE ORGANIC COMPOUNDS (VOC)	13.52	15.11	10.02	11.25	-	mg/Nm ³
CARBON MONOXIDE (CO)	14.6	35.6	16.9	13.13	-	mg/Nm ³

BDL - Below Detectable Limit

[Signature]
02/03/2023
Authorized Signatory:

NOISE LEVEL MONITORING FOR THE MONTH FEBRUARY 2023

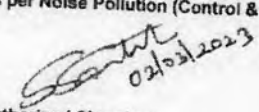
F-862(a)

Effective date: 29.01.2015

Period of Monitoring: 08.02.2023 to 09.02.2023

S.NO.	Area / Equipment	Location	PERMISSIBLE* LIMIT dB (A) Leg	RESULT** dB (A) Leg
1	GTG	Between GTG A & B	105	85.9
2	HVJ GTC	Between HVJ M/L & HVJ B/L	105	90
3	HVJ DEG	Near HVJ DEG	105	75.5
4	DVPL GTC	Between the GTC	105	97.5
5	VDPL GTC	Near VDPL GTC	105	86.1
6	FIRE STATION	Near Fire Station Area	105	59.2
7	C2C3 FWPB	Near FWPB Area	105	83
8	GPU Phase - 1	Near Dryer	105	93
9		Ex-Comp	105	90.7
10		Main GT	105	97.2
11	GPU Phase - 2	Near Dryer	105	99.6
12		Ex-Comp	105	96.2
13		Main GT	105	90.1
14	Boiler Area (GPU)	Between Boiler & IA Plant of GPU	105	90.6
15	Cooling Tower - 1	Between pump-house & Cooling tower	105	90.5
16	Cooling Tower - 2	Between pump-house & Cooling tower	105	93.5
17	C2C3 Unit Area	Utility Boiler (C2C3)	105	73
18		IA Plant (C2C3)	105	98.5
19		DM Plant	105	77.3
20		Unit - Main GT Area	105	80.3
21		Unit - HRSG Area	105	74.3
22		DEG (750 KVA)	105	89.6
23	Industrial Zone - Plant Boundary Area	Near CISF Plant/ Product Gate	75	70
24	Industrial Zone - Plant Boundary Area	Near C2C3 CISF Gate	75	65
25	Industrial Zone - Plant Boundary Area	Near Flare/ ETP Area	75	70.5
26	Industrial Zone - Plant Boundary Area	Behind DVPL Compressor Shed	75	71.5
27	Industrial Zone - Plant Boundary Area	Near CISF Plant/ Product Gate - Night time	70	68.1
28	Industrial Zone - Plant Boundary Area	Near C2C3 CISF Gate - Night time	70	65.5
29	Industrial Zone - Plant Boundary Area	Near Flare/ ETP Area - Night time	70	59.3
30	Industrial Zone - Plant Boundary Area	Behind DVPL Compressor Shed - Night time	70	68.1
31	Commercial Area - 1	Phase 1 Shopping Complex - Day time	65	59.8
32	Commercial Area - 2	Phase 2 Shopping Complex - Day time	65	62
33	Commercial Area - 3	Phase 1 Shopping Complex - Night Time	55	52.5
34	Commercial Area - 4	Phase 2 Shopping Complex - Night Time	55	52.5
35	Silence Zone - 1	Near Hospital - Day time	50	47.3
36	Silence Zone - 2	Near Hospital - Night Time	40	38.1

- Note:**
- * Permissible limit for Equipments as per factory act is 105 dB (A) for one hour continuous exposure.
 - * Permissible Limits for plant area boundary & beyond shall be as per Noise Pollution (Control & Regulation) Rules, 2010 (Amended)
 - ** Distance from Equipment/ Location shall be 5 Ft
 - ** Height from Ground level shall be minimum of 5 Ft.


 02/02/2023
 Authorized Signatory:

C2C3 GSU & GPU

UNIT

&

OFF SITES

“REPORT ON

FUGITIVE

EMISSION

SURVEY”

FEB 2023

DEP`T : “MECHANICAL”



GAIL India Limited
C2C3 , Vijaipur

Prepared by
Meraj Ahmad
Ponirulappan M

Reviewed by
Pankaj Sharma

Approved by
Nitin V. Nimje

Fugitive Emission Survey

TEAM

The following executives were associated in fugitive emission survey of C2C3 plant (GPU, GSU and off sites).

1	Mr. Dharendra Yadav	Ch. Mgr
2	Mr. Meraj Ahmad	Sr. Engr
3	Mr. Ponirulappan M	Sr. Engr
4	Mr. Abhishek kumar	ET(Mech)



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6	Conclusion	12

Fugitive Emission Survey

1: Introduction:

Global Methane Initiative

Launched in 2004, GMI is the only international effort to specifically target methane abatement, recovery, and use by focusing on methane emission sources. The Initiative works in concert with other international agreements, including the United Nations' Framework Convention on Climate Change, to reduce greenhouse gas (GHG) emissions. Unlike other GHGs, methane is the primary component of natural gas and can be converted to usable energy. The reduction of methane therefore serves as a cost-effective method to reduce GHGs and increase energy security, enhance economic growth, improve air quality and improve worker safety.

Why Focus on Methane?

Methane is the 2nd most important greenhouse gas after carbon dioxide and the primary component of natural gas, is virtually omnipresent. The odorless, colorless gas leaks from the Earth's mantle through volcanoes, vents from the stomachs of billions of livestock, rises from wetlands, marshes, coal mines and bubbles up from all things decaying.

Methane's warming effect over a period of 100 years is 21 times stronger than that of CO₂. Methane's lifetime is about 12 years. Since 1750, methane levels have increased by about 150%. Its present contribution to Human - Induced Climate Change is a whopping 23 %.

Natural Gas Star International

In 2006, the Natural Gas STAR Program expanded to include oil and natural gas companies throughout the world in support of the Global Methane Initiative. The launch of Natural Gas STAR International significantly increases opportunities to reduce methane emissions from oil and natural gas operations worldwide and creates a framework for global application of the Program's principles including cost-effective methane emissions reduction technology and practice implementation.

GAIL (INDIA) LTD AND GMI

Fugitive Emission Survey

GAIL (India) Limited became a Natural Gas Star International Partner in August 2011 under the Natural Gas Star Program which is a partnership between the United States Environment Protection Agency (US EPA) and the international Oil and Gas Industry in support of the Global Methane Initiative (GMI).

Net Zero Initiative

In order to avert the worst impacts of climate change and preserve a livable planet, global temperature increase needs to be limited to 1.5°C above pre-industrial levels. Currently, the Earth is already about 1.1°C warmer than it was in the late 1800s, and emissions continue to rise. To keep global warming to no more than 1.5°C - as called for in the Paris Agreement - emissions need to be reduced by 45% by 2030 and reach net zero by 2050.

Following the global trends, India is aiming to reach net zero emissions by 2070. In line with India's vision to achieve Net Zero by 2070, GAIL has already embarked on its Net-Zero journey through science-based ambition and action plan with the aim of achieving "100% reduction in Scope 1 and Scope 2 emissions and a 35% reduction in Scope 3 emissions by 2040".

Emissions from our process plants through flange joints, Valve glands, Vents etc. comes under Scope 1 emission and carrying out this fugitive emission survey in our plant areas helps us to arrest these leaks thereby contributing towards our bigger goal of achieving net zero.

Fugitive Emission Survey

2: OPGAL EyeCGas Gas Imaging Camera

- Specially designed for the applicative market of natural gas, oil and petrochemical industries, taking into consideration the requirements of the users.
- Very sensitive and detects smaller leaks than the existing optical imagers' portable solutions.
- Certified for use in hazardous environments (Class 1, Div. 2 and ATEX II), allowing the inspection at hazardous places in the plants.
- Implements an internal video and audio recording device.
- Features a large color LCD display for image and text display.
- Rugged and durable by design to be used as a tool in the field.

Specifications

Detector Type	High Sensitivity Cooled, 320 x 240 pixels
Detector Spectral Range	MWIR 3-5 μ
Display	3.5" Color LCD 640 x 480
Certifications	FCC 47 CFR part 15 subpart B - Radiated Emissions EN 610000-6 (Immunity to ESD, RFE, Power Frequency Magnetic field, Radiated Emissions)
Vibration	Mil-Std 810F 514.5
Water/Dust Protection	IP 65 & Mil-Std 810F 510.4
HALT	High Accelerated Life Test: Vibration: Max temp: 55deg, Min temp: -20 deg
Gases Detected	Benzene, Butane, Ethane, Ethanol, Ethyl benzene, Ethyl, Ketone2-butanone, Ethylene oxide, Heptane, Hexane, Isobutylene, Isoprene, Isopropyl alcohol, MEK Methyl, Methane, Methanol, Octane, Pentane, Propylene, Propylene1-pentene, Propylene oxide, Styrene, Toluene, Xylene.

*ATEX - Atmosphere Explosible

*MWIR - Medium Wave Infrared

*ESD - Electrostatic Discharge

Fugitive Emission Survey

3: Fugitive Emission Survey

Fugitive emission survey is a technology that has been developed to provide rapid, accurate and safe identification of fugitive emissions. This technology enables the Engineers to “see” emissions of hydrocarbon vapors such as methane that are normally invisible to naked eye. The camera provides visible images of a gas emission leak in real-time against the facility background. The image facilitates precise identification of the origin of the leaks, essential for repair activities, and qualitatively the magnitude of the leak based on plume size and density.

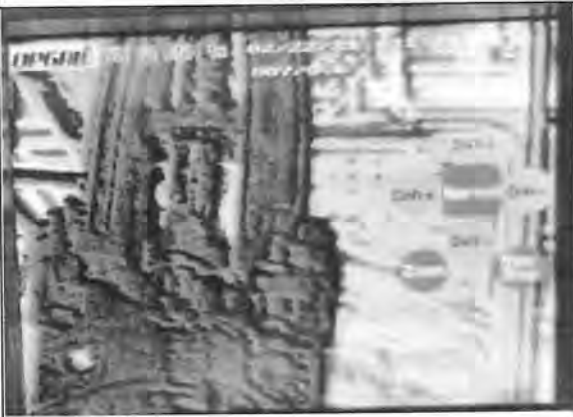
a-1: Survey in C2C3 Recovery plant(GSU & GPU)

Fugitive emission survey at C2C3 Plant in GSU & GPU has been carried out from 31.01.2023 - 02.02.2023 to identify fugitive methane emissions sources using Infrared Camera. Various leakages were identified from valves, flanges, vents and threaded connections etc.


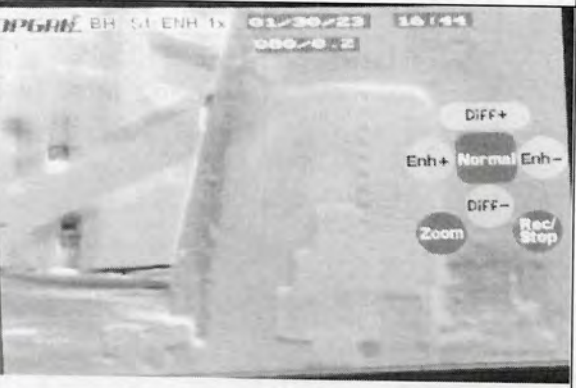
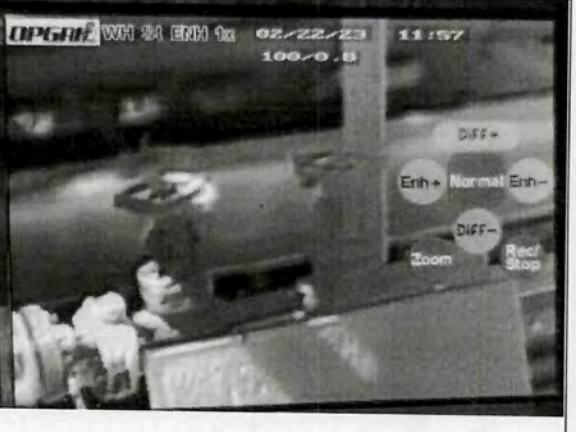
Work Permit Details: Fugitive Emission Survey of GSU & GPU

Cold Work Permit
Work Order No. : 22795384
App. No. : 1852098
Permit No. : 2749936

Following leakage points were observed in the infrared camera during the fugitive emission survey.

SN	Leakage Source	Locations	Photo
1	Gland	16-UV-1201, Upstream Absorber A gas inlet	

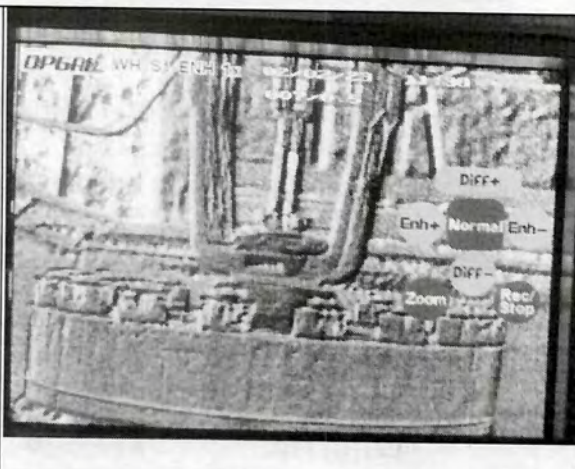
Fugitive Emission Survey

2	Gland	16-PSV-1101, Upstream Isolation Valve	
3	Gland	18-MOV-1518 gland	
4	Gland	Water wash Column sample o/c point - gland leak in Reg floor	

Fugitive Emission Survey

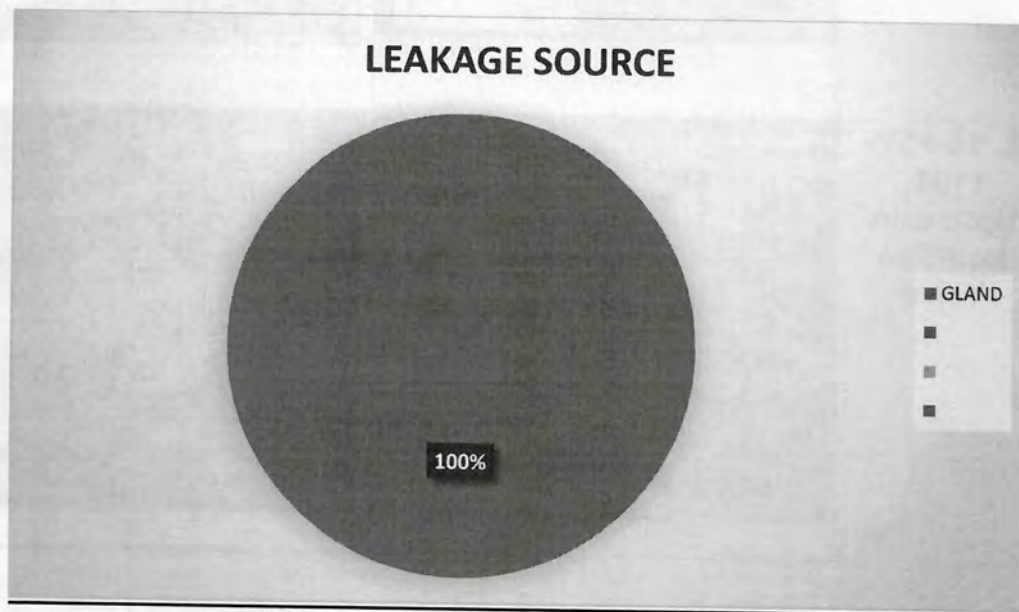
5	Gland	16-HV-1902, upstream IV equalizing Valve gland leak	
6	Gland	18-EE-115 B, Propane inlet IV 24" *300#, PRC-B	
7	Gland	18-EE-115 C, Propane outlet IV 12" *300#	

Fugitive Emission Survey

8	Gland	18-HV-3001B	 A thermal image showing a mechanical assembly. A leak detection overlay is visible, with labels: 'Diff+', 'Enh+', 'Normal', 'Enh-', 'Diff-', 'Zoom', and 'Rec/Stop'. The assembly appears to be a large cylindrical component with various pipes and fittings.
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4: Key Concern Areas

After classifying various sources of leakages i.e. Flanges, Valves, Threaded Joints Pie Chart Analysis was done to find out the major source of leakage and to figure out key concern area.



Fugitive Emission Survey

5. Rectification

The leakage sources found during the fugitive emission survey were attended and rectified on 22/02/2023 - 24/02/2023. These leakage sources were checked again using the infrared camera after compliance.

Work Permit Details: Rectification of leakage point & Compliance

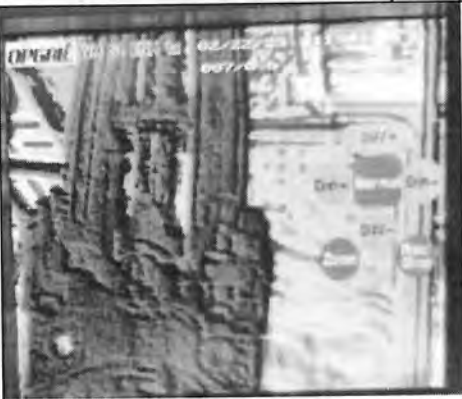



Cold Work Permit

Work Order No. : 22795384

App. No. : 1852098

Permit No. : 2749936

SNAPSHOT COMPARING PRE & POST CONDITIONING OF LEAKAGES

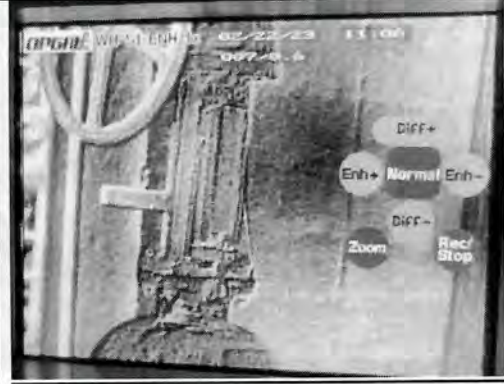
S.NO. Location	Pre conditioning	Post conditioning
1. 16-UV-1201, Upstream Absorber A gas inlet		
2. 16-PSV-1101, Upstream Isolation Valve		

Fugitive Emission Survey

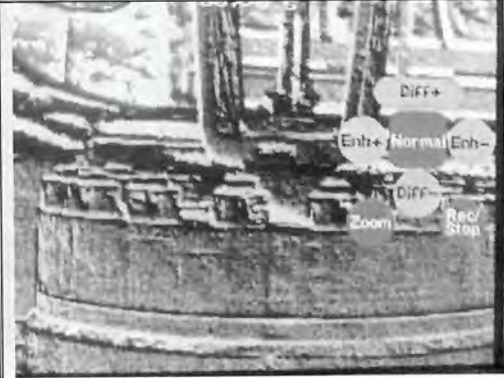
<p>3. 18-MOV-1518 gland</p>		
<p>4. Water wash Column sample o/c point -gland leak in Reg floor</p>		
<p>5. 16-HV-1902, upstream IV equalizing Valve gland leak</p>		
<p>6. 18-EE-115 B, Propane inlet IV 24" *300#, PRC-B</p>		

Fugitive Emission Survey

7. 18-EE-115
C, Propane
outlet IV 12"
*300#



8. 18-HV-
3001B



5: Benefits of Fugitive Emission Survey

The benefits of optical leak imaging include:

- Cost-effectively scan hundreds of components simultaneously.
- Identify exact source of leaks in real-time with video record.
- Assessments performed without interruption of operations.
- Scan hard-to-reach components from a distance.

6: Conclusion

The fugitive emission survey performed in C2C3 plant (GSU, GPU & Offsite) helped us to identify the leakage sources of Hydrocarbons in these areas. Most of the leakages are hard to be identified by normal visual inspection, so the IR camera is essential to identify the same. After analyzing the leakage's sources, we were able to identify the major areas of concern. Since hydrocarbon emissions can easily be detected with this technique, the continuous survey/inspection would help to reduce health and safety hazards as well as the greenhouse gas emissions.

VIJAIPUR
COMPRESSOR
STATION



“REPORT ON
FUGITIVE EMISSION
SURVEY”

GAIL India Limited
VIJAIPUR
COMPRESSOR
STATION

YEAR : 2022-2023

DEP`T :
“MECHANICAL”

Prepared by
ABHAY SINGH
NIKHIL KUMAR SUMAN

Fugitive Emission Survey

TEAM

The following executives were associated in fugitive emission survey at Khera Compression Station.

2	MR. ABHAY SINGH	Sr. Engr
3	MR. NIKHIL KUMAR SUMAN	ET



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6	Conclusion	11

1: Introduction:

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Fugitive Emission Survey

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Following the global trends, India is aiming to reach net zero emissions by 2070. In line with India's vision to achieve Net Zero by 2070, GAIL has already embarked on its Net-Zero journey through science-based ambition and action plan with the aim of achieving "100% reduction in Scope 1 and Scope 2 emissions and a 35% reduction in Scope 3 emissions by 2040".

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Certifications	FCC 47 CFR part 15 subpart B - Radiated Emissions EN 610000-6 (Immunity to ESD, RFE, Power Frequency Magnetic field, Radiated Emissions)
Vibration	Mil-Std 810F 514.5
Water/Dust Protection	IP 65 & Mil-Std 810F 510.4
HALT	High Accelerated Life Test: Vibration: Max temp: 55deg, Min temp: -20 deg
Gases Detected	Benzene, Butane, Ethane, Ethanol, Ethyl benzene, Ethyl, Ketone2-butanone, Ethylene oxide, Heptane, Hexane, Isobutylene, Isoprene, Isopropyl alcohol, MEK Methyl, Methane, Methanol, Octane, Pentane, Propylene, Propylene1-pentene, Propylene oxide, Styrene, Toluene, Xylene.

*ATEX - Atmosphere Explosible

*MWIR - Medium Wave Infrared

*ESD - Electrostatic Discharge

Fugitive Emission Survey

3: Fugitive Emission Survey

Fugitive emission survey is a technology that has been developed to provide rapid, accurate and safe identification of fugitive emissions. This technology enables the Engineers to “see” emissions of hydrocarbon vapors such as methane that are normally invisible to naked eye. The camera provides visible images of a gas emission leak in real-time against the facility background. The image facilitates precise identification of the origin of the leaks, essential for repair activities, and qualitatively the magnitude of the leak based on plume size and density.

A: Compliance status of survey conducted in VIJAIPUR Compressor Station in 2020-2021

Fugitive emission survey at Vijaipur Compressor station has been carried out to identify fugitive methane emissions sources using Infrared Camera. Various leakages were identified from valves, flanges, vents and threaded connections etc.

Work Permit Details: Rectification of leakage point & Compliance of Vijaipur Compressor Station in 2020-2021

TABLE 1: Compliance status of leakage points found in fugitive emission survey at Vijaipur compressor station in 2020-21.

S. NO.	LEAKAGE DETAIL	COMPLIANCE STATUS
1	57-AV-3702A D/S IMPULSE TUBING PLUG VALVE SEALANT POINT LEAK	NO LEAKAGE
2	57-K-01A COOLER OUTLET HEADER FLANGE JOINT LEAK	NO LEAKAGE
3	FILTER SEPARATOR-B (FGCU DVPL) LEVEL GLASS HP ROOF IV D/S FLANGE	NO LEAKAGE
4	PT TAPPING (FGVV DVPL) FUEL GAS OUTLET LINE VALVE GLAND LEAK	NO LEAKAGE
5	FGCU DVPL VENT PASSING	NO LEAKAGE
6	SDV-3714-B U/S FLANGE LEAK	NO LEAKAGE
7	DVPL-C DISCHARGE I/V (57-AV-3702C) U/S IMPULSE LINE PLUG VALVE SEALANT POINT	NO LEAKAGE
8	RLN TO B/L VALVE B-22 U/S VENT PASSING	NO LEAKAGE
9	12-BD -57-3702-C-A4A VENT PASSING	NO LEAKAGE

Fugitive Emission Survey

10	C2C3 FEED GAS FILTER A DOOR SEAL LOCK	NO LEAKAGE
11	AV-6305 IMPULSE LINE THREADED JOINT LEAK	NO LEAKAGE
12	18-FE/FT-1101B D/S VENT PASSING	NO LEAKAGE
13	DISCHARGE VALVE 13-K-01E ACTUATOR TUBING LEAK THREADED	NO LEAKAGE
14	DISCHARGE VALVE 13-K-01D ACTUATOR TUBING LEAK THREADED	NO LEAKAGE
15	SUCTION VALVE 13-K-02C ACTUATOR TUBING LEAK THREADED	NO LEAKAGE
16	SUCTION VALVE 13-K-02B BODY BODY VALVE AND PLUG LEAK	NO LEAKAGE
17	57-GN-CT-001C FILTER DOOR SEAL LEAK'	NO LEAKAGE
18	57-GN-CT-001B DOOR SEAL LEAK'	NO LEAKAGE
19	57-GN-CT-001B INLET EQUALISING LINE VALVE SEALANT POINT LEAK	NO LEAKAGE
20	AV-3309 D/S FLANGE LEAK	NO LEAKAGE
21	AV-3307 D/S FLANGE LEAK	NO LEAKAGE
22	AV-3308 D/S FLANGE LEAK	NO LEAKAGE
23	UNFILTERED RLNG VKPL LINE VENT I/V GLAND LEAK NEAR AV-3310	NO LEAKAGE
24	24" VALVE NEAR AV-3310 U/S FLANGE LEAK	NO LEAKAGE
25	RLNG TO LPG24" LINE NEAR B21 FLANGE LEAK	NO LEAKAGE
26	VDPL FILTER-A DOOR SEAL LEAK	NO LEAKAGE
27	VDPL FILTER-D DOOR SEAL LEAK	LEAKAGE FOUND
28	57-AV-61042 U/S FLANGE LEAK	NO LEAKAGE

Fugitive Emission Survey

B : Survey conducted in VIJAIPUR Compressor Station in 2022-2023

The following leakage sources were found during the fugitive emission survey conducted from 13/12/2022 to 14/12/2022.

Work Permit Details: Rectification of leakage point & Compliance of Khera

Type of Permit : Hot Work

Work Order No.: 22732023

TABLE 2: Leakage points found in fugitive emission survey at Vijaipur Compressor station in 2022-23.

S. No.	Classification	leakage detail
1	THREADED JOINT	PG TAG NO.- 63PGAC ON PIPELINE 28"-P-057-6501-B-E1A NEAR UT POINT- 20N8: THREADED JOINT LEAK OF LOWER VALVE
2	VENT	VDPL FILTER SEPARTOR -A VENT PASSING
3	FLANGE	VDPL FILTER SEPARATOR -C DOOR SEAL LEAK
4	FLANGE	VDPL FILTER SEPARATOR -B DOOR SEAL LEAK
5	FLANGE	VDPL FILTER SEPARATOR -D DOOR SEAL LEAK
6	VALVE	057-AV 6709 ACTUATOR CYLINDER DRAIN PLUG PASSING
7	THREADED CONNECTION	PV-02 WHEEL HANDLE THREADED JOINT LEAK
8	VALVE	LEAKAGE FROM POSITION COVER ON TOP PV-02
9	THREADED CONNECTION	LEAK FROM THREADED CONNECTION OF BOTH THE VALVES ON 057-AV6304 TAG NO. 63-SDX TAPPING LINE FOR PG
10	FLANGE	SCRAPPER LAUNCHER 011 ML/MR00101 DOOR SEAL LEAK
11	FLANGE	VAPL-011-GN-CT-101B FILTER SEPARATOR B DOOR SEAL LEAK
12	FLANGE	VDPL-011-GN-CT-101B FILTER SEPARATOR B DOOR SEAL
13	FLANGE	VKPL USM SKID LEAK FROM LONGER FLANGE BETWEEN UT-15N17 & UT-15N16
14	FLANGE	DVPL FILTER-A 57-GN-CT-001A LEAK FROM DOOR HANDLE

Fugitive Emission Survey

15	FLANGE	DVPL FILTER-B 57-GN-CT-001B LEAK FROM DOOR HANDLE
16	VENT	DVPL FILTER B VENT LEAK
17	VENT	DVPL FILTER C VENT PASSING
18	FLANGE	DVPL FILTER C LEAK FROM DOOR HANDLE
19	FLANGE	LEAN GAS FILTER B CT 101B DOOR SEAL LEAK
20	THREADED CONNECTION	AV 65305 UPSTREAM IMPULSE LINE THREADED CONNECTION LEAK
25	VENT	AV-6310 UPSTREAM VENT LEAK
26	VENT	AV-6308 UPSTREAM VENT LEAK
27	VENT	AV-6306 UPSTREAM VENT LEAK
28	FLANGE	AV-6310 DOWNSTREAM IMPULSE TUBING TOP FLANGE LEAK
25	VENT	070 BV-10 VENT PASSING
26	VENT	070 BV-12 VENT PASSING
27	VENT	T-JOINT UPSTREAM OF 070 BV-11 UPPER FLANGE VENT LEAK TO UPSTREAM OF T-JOINT
28	VENT	30" LAUNCHER VIJAIPUR-AURAIYA VENT PASSING
29	VENT	36" RECEIVER KHERA TO VIJAIPUR VENT PASSING
30	VENT	18" LAUNCHER VIJAIPUR TO GADEPAN VENT PASSING
31	FLANGE	18" LAUNCHER VIJAIPUR TO GADEPAN DOOR SEAL LEAKAGE
32	FLANGE	AV-3602 DRAIN END FLANGE LEAK
33	THREADED CONNECTION	P-4 ON QOEC LINE THREADED CONNECTION LEAK
34	THREADED CONNECTION	AV-103 DOWNSTREAM FEED GAS TO LPG VALVE ON VENT THREADED CONNECTION LEAK
35	VENT	BRANCH LINE FILTER SEPARATOR A 13F02A VENT WITHOUT PSV LEAK
36	THREADED CONNECTION	BRANCH LINE FUEL GAS MONITORING UNIT T-JOINT OF FGMU A & B DOWNSTREAM VENT FLANGE VALVE THREAD LEAK
37	VENT	MAIN LINE FILTER SEPARATOR C 13-F01-C VENT WITHOUT PSV LEAK

Fugitive Emission Survey

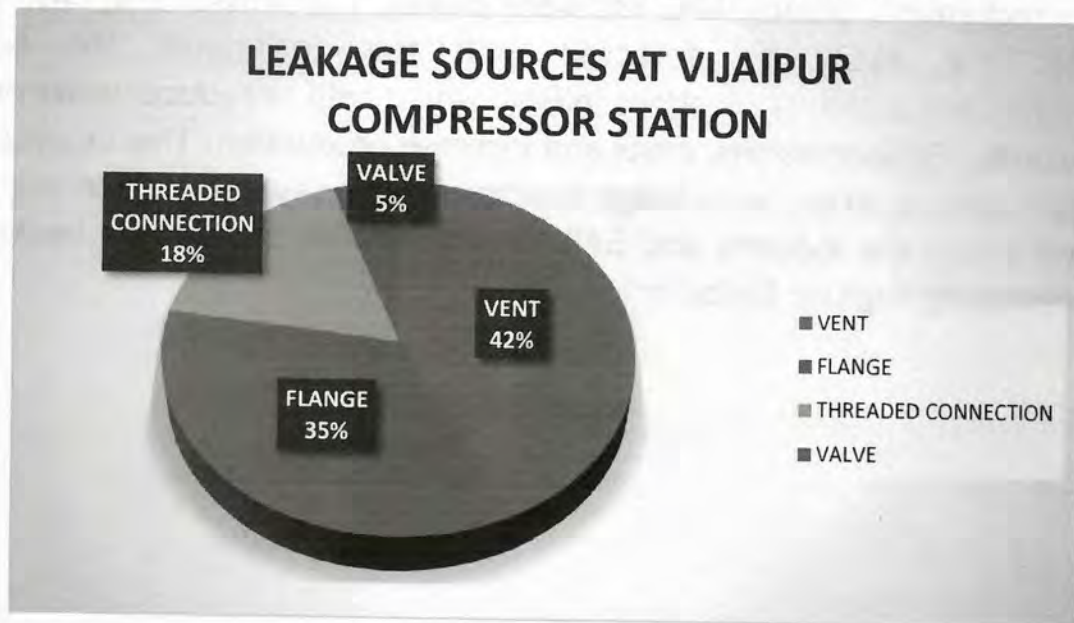
38	VENT	GTG HVJ FGCU VENT LEAK
39	VENT	MAIN LINE FGMU B VENT LEAK
40	VENT	GTG FGMU A VENT LEAK

The study identified a total of 44 fugitive emission sources within the facilities. Leaks were classified as per leak source types (i.e. threaded connections, flanges, valves and vents). Detail description of leak is given below:

- Leak from Flanges- It includes leakages from various flanges, filter doors, or any gasket connection
- Leak from Threaded connection -It includes leakage from instrument tubing's, fitting, PT fittings or any threaded joint
- Leak from Valves- It includes leakages from valves through stem, gland packing, actuator etc.
- Leakage from Vents - It includes leakages from vent lines which may be due to passing of valves, pressure safety valves, pressure control valves etc.

4: Key Concern Areas

After classifying various sources of leakages, Pie chart Analysis was done for finding the major leakage source and to figure out key concern area



It can be easily observed that mostly leakages are from vents and flanges and same will be reviewed after the completion of maintenance/rectification of all the leakages.

5: Benefits of Fugitive Emission Survey

The benefits of optical leak imaging include:

- Cost-effectively scan hundreds of components simultaneously.
- Identify exact source of leaks in real-time with video record.
- Assessments performed without interruption of operations.
- Scan hard-to-reach components from a distance.

6: Conclusion

The results of this study at GAIL vijaipur compressor station have identified that there are significant benefits to the use of optical emission detection. Since most of the hydrocarbons used across all the plants in GAIL including Petrochemical plants, LPG recovery plants, compressor stations, terminals etc. can easily be detected with this technique, the continuous survey/inspection of pipelines in GAIL would help to reduce health and safety hazards, GHG emissions, costs and increase production. This innovative study represents a strong knowledge sharing opportunity both within the company and across the industry and GAIL (India) Limited is willing to be a leader in addressing Fugitive Emissions.

SCHEDULE OF GAIL VIJAIPUR EMPLOYEES FOR OCCUPATIONAL HEALTH CHECKUP FOR THE YEAR 2022-23

Personnel Number	Formatted Name of Employee or Applicant	Position	Department	Personnel Subarea	PROBABLE OCCUPATIONAL HAZARD	PROBABLE ROUTE OF ENTRY	Date of OHC
16431	DURGESH KUMAR KASHYAP	SR MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise & high temperature in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	19.11.2022
16432	SUMIT SAHA	SR MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	05.11.2022
16433	JAYAPRAKASH S	MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	17.11.2022
16441	SHIRISH BHATT	SR MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	01.11.2022
16442	ASHISH THAWAIT	SR MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	02.11.2022
16443	KHEMRAJ DEWANGAN	SR MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	07.11.2022
16448	SANJEEV KUMAR SINGH	MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	14.11.2022
16936	RAJKUMAR PARSENDIYA	MANAGER (BOILER OPERATIONS)	BOILER & POWER PLANT	VIJAIPUR	Do	Do	18.11.2022
8248	VAKADA UMAMAHESWARA RAO	DY GENERAL MANAGER (BIS)	BUSINESS INFORMATION SYSTEM	VIJAIPUR	Do	Do	19.11.2022
18008	ANSHUL SINGH	SR OFFICER (BIS)	BUSINESS INFORMATION SYSTEM	VIJAIPUR	Do	Do	01.11.2022
18252	PRASUN BHOWMICK	SR OFFICER (BIS)	BUSINESS INFORMATION SYSTEM	VIJAIPUR	Do	Do	28.11.2022
18010	KOMMA VENKATA KIRAN KUMAR	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	21.11.2022
18011	TIMMASARTHI SAI TEJA	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	28.11.2022
18091	AASHI GARG	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	22.11.2022
18092	ABHIJEET MAURYA	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	26.11.2022
18093	ABHIRAM P	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	15.11.2022
18306	M. Y. YUKTESH	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	28.11.2022
18313	SITESH KUMAR DALAI	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	26.11.2022
18314	KRISHNAKANT PANDEY	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	26.11.2022
18322	HARDIK UPRETI	EXECUTIVE TRAINEE (CHEMICAL)		VIJAIPUR	Do	Do	21.11.2022
2427	RAMESH CHANDRA YADAV	CH MANAGER (HORTICULTURE)	CIVIL	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	23.11.2022
3013	SANTOSH KUMAR	CH MANAGER (MAINTENANCE)	CIVIL	VIJAIPUR	Do	Do	21.11.2022
4737	KRISHAN PAL YADAV	CH MANAGER (HORTICULTURE)	CIVIL	VIJAIPUR	Do	Do	17.11.2022
16680	MITHUN SINGH	SR FOREMAN (CIVIL-MAINT)	CIVIL	VIJAIPUR	Do	Do	05.11.2022
17515	GURDEEP .	FOREMAN (CIVIL)	CIVIL	VIJAIPUR	Do	Do	07.11.2022
17600	ASHUTOSH	FOREMAN (CIVIL)	CIVIL	VIJAIPUR	Do	Do	19.11.2022
17923	MAYANK GUPTA	SR ENGINEER (MAINTENANCE)	CIVIL	VIJAIPUR	Do	Do	16.11.2022
18017	AKSHAT JAIN	EXECUTIVE TRAINEE (CIVIL)	CIVIL	VIJAIPUR	Do	Do	22.11.2022
18019	ANKIT KUMAR TRIPATHI	SR ENGINEER (MAINTENANCE)	CIVIL	VIJAIPUR	Do	Do	01.11.2022
18026	ROHIT KUMAR	EXECUTIVE TRAINEE (CIVIL)	CIVIL	VIJAIPUR	Do	Do	26.11.2022
18250	NIKHIL KUMAR SHARMA	SR ENGINEER (MAINTENANCE)	CIVIL	VIJAIPUR	Do	Do	21.11.2022
18270	DEEPAK KHICHAIR	SR ENGINEER (CIVIL)	CIVIL	VIJAIPUR	Do	Do	28.11.2022
18271	AVINASH PANDA	SR ENGINEER (CIVIL)	CIVIL	VIJAIPUR	Do	Do	26.11.2022
18357	VISHWAJEET GUPTA	EXECUTIVE TRAINEE (CIVIL)	CIVIL	VIJAIPUR	Do	Do	28.11.2022
2389	PRADEEP KUMAR PORWAL	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	26.11.2022
2722	RAMAN CHOWDHARY	DY GENERAL MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	24.11.2022
4536	RISHI PAL SINGH	GENERAL MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	02.11.2022
4545	YOGENDRA SINGH	CH MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	21.11.2022
4639	MANJULA PUSHPENDRA SONI	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	17.11.2022
10001	RAVINDRA TYAGI	SR SUPERINTENDENT (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	15.11.2022
16309	PRADEEP KUMAR BANKHEDE	SR SUPERINTENDENT (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	18.11.2022

Annexure-1

16989	ROHITA JAIN	MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	22.11.2022
17007	ANIL KUMAR	MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	28.11.2022
17009	NANDESH YADAV	MANAGER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	25.11.2022
17111	CHANDRA PRAKASH GAUTAM	SR ASSISTANT (STORE & PURCHASE)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	07.11.2022
17414	NANDURU SATYA SAI TEJA	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	19.11.2022
17464	SANJEEV SHARMA	ASSISTANT (STORES & PURCHASE)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	14.11.2022
17775	NIREEKSHANA RAO K	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	25.11.2022
17850	PRANJALI BHADAURIA	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	02.11.2022
17854	ANIL PAL	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	03.11.2022
18018	CHENNURU GAURAV	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	04.11.2022
18077	MAURYA DARSHAN DILIPKUMAR	EXECUTIVE TRAINEE (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	28.11.2022
18078	PRADHAN SAURABH PANJAB	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	17.11.2022
18133	ABHISHEK BHARDWAJ	SR OFFICER (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	28.11.2022
18381	K SRIKANTH	EXECUTIVE TRAINEE (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	21.11.2022
18382	RUCHIKA	EXECUTIVE TRAINEE (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	28.11.2022
18386	YEKKALA BHARGAVI	EXECUTIVE TRAINEE (C&P)	CONTRACT & PROCUREMENT	VIJAIPUR	Do	Do	26.11.2022
2613	AJESH MANI TRIPATHI	DY GENERAL MANAGER (CSR)	CORPORATE SOCIAL RESPONSIB	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	19.11.2022
18303	NAMEETA	EXECUTIVE TRAINEE (CSR)	CORPORATE SOCIAL RESPONSIB	VIJAIPUR	Do	Do	26.11.2022
1431	VISHNU DUTT SHARMA	SR MANAGER (DCS)	DOCUMENT CONTROL SERVICE	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	25.11.2022
1246	GANESH RAM MEENA	DY GENERAL MANAGER (O&M-NG P/L)	ELECTRICAL	CHITTORGARH	A. Chemical hazards (Explosure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer including electrical system,	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ	25.11.2022
1628	HARVINDER SINGH RAUNIWAL	SR ENGINEER (O&M-NG P/L)	ELECTRICAL	VIJAIPUR	Do	Do	11.11.2022
2449	JAI PRAKASH GAUR	GENERAL MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	21.11.2022
4025	PRAVIN ASHOK PATIL	ENGINEER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	01.11.2022
4774	VIJAY MITTAL	GENERAL MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	09.11.2022
4975	PREM SINGH	SR ENGINEER (O&M-NG P/L)	ELECTRICAL	VIJAIPUR	Do	Do	17.11.2022
5592	PRASANTA KUMAR DAS	ENGINEER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	22.11.2022
15236	SUDHIR KAMAL	CH MANAGER (O&M-NG P/L)	ELECTRICAL	VIJAIPUR	Do	Do	24.11.2022
16181	PAWAN DEEP	SR MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	03.11.2022
16182	ANOOP KUMAR SINGH	SR MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	26.11.2022
16493	VENKATESWARLU MIDDE	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	19.11.2022
16494	UMESH KUMAR GAUTAM	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	18.11.2022
16657	KARTHIK P.U.	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	01.11.2022
16682	RAJENDRA . KUMRAWAT	SR FOREMAN (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	07.11.2022
16705	SOUNOK . SARKAR	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	04.11.2022
16765	VIKRAM SINGH RATHORE	SR FOREMAN (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	21.11.2022
16884	PRADEEP KUMAR GANGWAR	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	02.11.2022
16910	PUNEET DAVE	MANAGER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	15.11.2022
17342	PRANESH KUMAR	FOREMAN (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	09.11.2022
17343	RAVI RONGALI	FOREMAN (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	05.11.2022
17387	ABHISHEK CHAUDHARY	FOREMAN (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	10.11.2022
17388	AMARJEET AGRAHARI	FOREMAN (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	03.11.2022
17393	PRAWEEEN KUMAR PRAJAPATI	FOREMAN (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	02.11.2022
17394	RAMBRIKSHA YADAV	FOREMAN (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	23.11.2022
17435	ANURAG KUMAR GANGWAR	SR ENGINEER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	17.11.2022
17480	HEMANT KUMAR MAHOBIA	FOREMAN (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	16.11.2022
17614	KONDAPALLI RADHA	SR ENGINEER (O&M)	ELECTRICAL	VIJAIPUR	Do	Do	15.11.2022
17849	LOKESH KUMAR SINGH	SR ENGINEER (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	02.11.2022
17852	VAIBHAV KUMAR YASHASWI	SR ENGINEER (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	03.11.2022
18023	DHARAMUKKULA V S NAGENDRA PAVAN	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	21.11.2022
18024	POTNURU ABHISHEK	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	26.11.2022

18085	NAMAN KUMAR SINGH	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	28.11.2022
18186	BHANGALE AKHIL YUDHISHTIR	SR ENGINEER (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	05.11.2022
18349	PRATIK KUMAR PADHEE	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	22.11.2022
18350	TARUN GAURAV	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	07.11.2022
18351	MANAN SHARMA	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	15.11.2022
18354	ASWINI KUMAR	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	28.11.2022
18356	ANUJ PRATAP SINGH	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	21.11.2022
18360	ANIRUDHAN BALAJI	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	26.11.2022
18361	SHREYAS R	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	07.11.2022
18370	MOHIT SHARMA	EXECUTIVE TRAINEE (ELECTRICAL)	ELECTRICAL	VIJAIPUR	Do	Do	28.11.2022
4753	NEERAJ RASTOGI	GENERAL MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	23.11.2022
15314	SATISH KUMAR YADAV	CH MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	02.11.2022
15689	HARISH KUMAR	SR MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	03.11.2022
15760	RAM PRAKASH ANAND	CH MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	26.11.2022
15797	BHUPESH GUPTA	CH MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	22.11.2022
16014	ANIL KUMAR JAIN	SR MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	04.11.2022
16301	MURLI MANOHAR	SR ACCOUNTANT	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	23.11.2022
17078	MANOJ KUMAR	MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	17.11.2022
17244	SUDHIR KUMAR GAUTAM	JR ACCOUNTANT	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	14.11.2022
17257	MOHIT BUCCHA	MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	19.11.2022
17270	MANMOHAN MEHRA	MANAGER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	21.11.2022
17379	ROHIT SINGH RAWAT	ACCOUNTS ASSISTANT	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	09.11.2022
17439	MANOJ KUMAR BHIL	ACCOUNTS ASSISTANT (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	07.11.2022
17460	DASHRATH BHARAT KALE	ACCOUNTS ASSISTANT	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	25.11.2022
17935	VINAY KUMAR SONI	SR OFFICER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	22.11.2022
17942	TANVI BANSAL	SR OFFICER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	24.11.2022
17973	JYOTI KUMARI	SR OFFICER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	03.11.2022
18156	ABHISHEK KAYATH	SR OFFICER (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	25.11.2022
18237	RAKESH BHARDWAJ	EXECUTIVE TRAINEE (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	28.11.2022
18238	AMAN	EXECUTIVE TRAINEE (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	22.11.2022
18249	PARAG MALANI	EXECUTIVE TRAINEE (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	24.11.2022
18441	SRINIWAS RATHOD	EXECUTIVE TRAINEE (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	25.11.2022
18442	ABISHEK K K	EXECUTIVE TRAINEE (F&A)	FINANCE & ACCOUNTS	VIJAIPUR	Do	Do	28.11.2022
2837	DEVENDRA ROHILLA	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	02.11.2022
2839	MOHAN SINGH	SR INSPECTOR (F&S)	FIRE & SAFETY	GADEPAN	Do	Do	01.11.2022
2845	KOMAL SHARMA	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	15.11.2022
2846	BHARAT SHARMA	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	18.11.2022
4069	ATUL WASUDEORAO DANADE	DY GENERAL MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	16.11.2022
4810	RAMESH CHANDRA MEENA	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	10.11.2022
4827	SHRIRAM MEENA	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	04.11.2022
4843	GOVIND UPADHYAY	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	17.11.2022
4847	IMRAT LAL KORI	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	03.11.2022
4848	GORDHAN SINGH LODHA	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	11.11.2022
4849	KASHI RAM KIRAR	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	21.11.2022
4987	RAGHUVIR SINGH KIRAR	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	01.11.2022
4989	AMAR SINGH RAJPOOT	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	25.11.2022
4990	HARI SINGH LODHA	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	05.11.2022
4991	KALYAN SINGH KIRAR	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	24.11.2022
5001	LAL BAHADUR YADAV	SR INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	14.11.2022
5036	LAKSHMI KANT PRASAD	OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	09.11.2022
5046	PRASHANT GANPATRAO GIRIPUNJE	DY GENERAL MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	03.11.2022
5083	SHAMIM AHMED	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	26.11.2022
5084	INDRA SINGH MEENA	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	03.11.2022
5085	KADAM SINGH MEENA	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	07.11.2022

5086	CHAIN SINGH MEENA	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	16.11.2022
5573	GANAPATHY SENTHIL	GENERAL MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	04.11.2022
5577	PRASANTA KUMAR GOGOI	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	05.11.2022
5578	PARAG GOGOI	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	22.11.2022
5594	PRANJAL GOGOI	INSPECTOR (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	21.11.2022
5618	UJJAL KUMAR GOGOI	SR LEADING FIREMAN (SG)	FIRE & SAFETY	VIJAIPUR	Do	Do	25.11.2022
5635	JOY CHANDRA RAJKONWAR	ASSISTANT OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	19.11.2022
5638	MANURANJAN PHUKON	OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	02.11.2022
8708	ASHWANI KUMAR SHUKLA	LEADING FIREMAN	FIRE & SAFETY	VIJAIPUR	Do	Do	09.11.2022
8717	RP SHARATH CHANDRA KUMAR	CH MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	23.11.2022
15101	RATHVA MALSINGBHAI NATUBHAI	SR FIREMAN	FIRE & SAFETY	VIJAIPUR	Do	Do	18.11.2022
15476	ARUN KUMAR	SR FIREMAN	FIRE & SAFETY	VIJAIPUR	Do	Do	03.11.2022
15902	MANJEET SINGH	FIREMAN	FIRE & SAFETY	VIJAIPUR	Do	Do	14.11.2022
16077	ARPIT SHRIVASTAVA	SR MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	17.11.2022
16123	MAYANK DEV	SR MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	07.11.2022
16195	SACHIN VERMA	SR MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	10.11.2022
16708	OMPRAKASH TULARAM SHARMA	CH MANAGER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	21.11.2022
16911	MUKESH KUMAR LODHA	FIREMAN	FIRE & SAFETY	VIJAIPUR	Do	Do	23.11.2022
17667	MANISH BHARDWAJ	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	22.11.2022
17770	RISHI PANDEY	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	03.11.2022
17840	DEV KALPESH GADHVI	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	04.11.2022
17904	PIYUSH SANJAY DHAGE	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	05.11.2022
18067	PRAYATNA KUMAR RANA	EXECUTIVE TRAINEE (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	16.11.2022
18104	SHASHWAT KAUSHIK	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	17.11.2022
18113	MUHAMMED JIFRIN K A	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	19.11.2022
18117	MIT AMRUTBHAI PATEL	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	18.11.2022
18118	DHRUMIT RAJENDRA GANDHI	SR OFFICER (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	15.11.2022
18308	AMAN	EXECUTIVE TRAINEE (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	28.11.2022
18315	ASHISH	EXECUTIVE TRAINEE (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	25.11.2022
18317	SHARAD KUMAR MAURYA	EXECUTIVE TRAINEE (F&S)	FIRE & SAFETY	VIJAIPUR	Do	Do	24.11.2022
8577	SANJEEV KUMAR	DY GENERAL MANAGER (GAILTEL - TC)	GAILTEL	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	22.11.2022
15729	MUKUL SINGH	SR MANAGER (GAILTEL T/M)	GAILTEL	VIJAIPUR	Do	Do	11.11.2022
17880	RAHUL SAINI	SR ENGINEER (GAILTEL)	GAILTEL	VIJAIPUR	Do	Do	04.11.2022
18074	ADESH SHUKLA	EXECUTIVE TRAINEE (TELECOM & TELEME)	GAILTEL	VIJAIPUR	Do	Do	25.11.2022
18084	UTKARSH SRIVASTAVA	EXECUTIVE TRAINEE (TELECOM & TELEME)	GAILTEL	VIJAIPUR	Do	Do	28.11.2022
18377	ARYAMAN SINGH	EXECUTIVE TRAINEE (GAILTEL)	GAILTEL	VIJAIPUR	Do	Do	24.11.2022
1474	BABULAL SHIKARI	SR FOREMAN (O&M)	GAS O&M	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	11.11.2022
4845	MANNU LAL SURARIYA	JR ENGINEER (O&M)	GAS O&M	VIJAIPUR	Do	Do	01.11.2022
16107	SIDDHARTH JAIN	SR MANAGER (O&M)	GAS O&M	VIJAIPUR	Do	Do	17.11.2022
16661	SANDIPAN MAKHAL	SR FOREMAN (O&M)	GAS O&M	VIJAIPUR	Do	Do	04.11.2022
16684	ONKAR SINGH PORTE	SR FOREMAN (O&M)	GAS O&M	VIJAIPUR	Do	Do	02.11.2022
1624	DEVENDRA KUMAR PANDEY	SR ENGINEER (GPU OPERS)	GAS PROCESSING UNIT	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	24.11.2022
2452	N BALASUBRAMANIAM	GENERAL MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	18.11.2022
2592	VIVEK RANJAN	DY GENERAL MANAGER (O&M)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	25.11.2022
2640	ASHWANI KUMAR SINGH	DY GENERAL MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	03.11.2022
2856	CHAMPAT LAL	ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	02.11.2022
2913	HANSRAJ MESHRAM	GENERAL MANAGER (O&M-GPU)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	09.11.2022
4058	PRAKASH LAXMAN PATIL	ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	01.11.2022

4752	RAJENDRA KUMAR SONI	SR MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	21.11.2022
4869	RAM KUMAR	DY GENERAL MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	23.11.2022
5628	SUJIT BURAGOHAIN	ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	15.11.2022
15167	PRASHANTKUMAR RAMESHCHANDRA P	CH MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	17.11.2022
15602	NITIN JAIN	CH MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	24.11.2022
15662	SAURABH SINGH	SR MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	05.11.2022
16294	MILTON ROY	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	14.11.2022
16382	SHASHANK CHATURVEDI	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	07.11.2022
16385	SUDHEER KUMAR	SR MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	01.11.2022
16396	MUKESH KUMAR MEENA	SR MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	02.11.2022
16412	OMPRAKASH SONI	SR MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	04.11.2022
16415	RAJA RAJAN M.	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	10.11.2022
16497	K. HANMANTHU	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	19.11.2022
16518	MUKESH KUMAR	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	22.11.2022
16687	UMA SHANKAR	SR FOREMAN (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	09.11.2022
17229	PRASOON NAGAR	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	14.11.2022
17233	TANMAY PANDEY	MANAGER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	11.11.2022
17630	ANMOL SOHANE	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	10.11.2022
17639	MAYANK GARG	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	05.11.2022
17652	PRANSHI RASTOGI	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	02.11.2022
17683	RAJABOINA UMESH	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	04.11.2022
17696	JALANDHRAN M	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	26.11.2022
17857	GOPALAPURAPU LAKSHMI UDAY KAUSH	SR ENGINEER (CHEMICAL)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	14.11.2022
17858	MRIDUL TRIPATHI	SR ENGINEER (CHEMICAL)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	15.11.2022
17952	NITESH JAISWAL	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	16.11.2022
17954	RAHUL GUPTA	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	14.11.2022
17960	SHANTI SWAROOP	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	18.11.2022
17966	DAVE CHETANKUMAR GIRDHARIBHAI	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	14.11.2022
18009	GAURAV KUMAR	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	16.11.2022
18025	PRATEEK YADAV	SR ENGINEER (GPU OPERATIONS)	GAS PROCESSING UNIT	VIJAIPUR	Do	Do	11.11.2022
17771	SANTOSH S	SR ENGINEER (ENVIRONMENT)	HEALTH SAFETY & ENVIRONMEN	VIJAIPUR	A. Chemical hazards (Explosure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ	16.11.2022
480	R P TANWAR	EXECUTIVE SECRETARY	HUMAN RESOURCES	VIJAIPUR	Do	Do	09.11.2022
1367	MUKESH KUMAR SAHU	SUPERINTENDENT (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	07.11.2022
1478	RAM SINGH BHIL	SUPERINTENDENT (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	09.11.2022
1895	HARVIR SINGH RAGHUWANSHI	SUPERINTENDENT (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	A. Biological hazards (Explosure of infected patient, surgical and medical waste generated). B. Physical hazards (prolong operation of the computer) C. Radiation hazard (X-Ray machine)	A. Biological diseases. B. Visionary defects C. Radiation exposure	09.11.2022
2318	YOGENDRA SINGH TOMAR	SR OFFICER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	18.11.2022
4514	SINGHA LAL BHIL	OFFICER (HR-OL)	HUMAN RESOURCES	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vison and backache	15.11.2022
4522	CHAIN SINGH	SR WARD PERSON CUM DRESSER (SG)	HUMAN RESOURCES	VIJAIPUR	A. Biological hazards (Explosure of infected patient, surgical and medical waste generated). B. Physical hazards (prolong operation of the computer) C. Radiation hazard (X-Ray machine)	A. Biological diseases. B. Visionary defects C. Radiation exposure	11.11.2022
4577	BADRI LAL PAWAR	SR MANAGER (PARAMEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	09.11.2022
4644	MAYA DASHRATH MADAVI	SR WARD PERSON CUM DRESSER (SG)	HUMAN RESOURCES	VIJAIPUR	Do	Do	17.11.2022
4796	ROSHNI TOPPO EKKA	OFFICER (PARAMEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	10.11.2022
4853	SANJAY VERMA	GENERAL MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vison and backache	10.11.2022
4886	SAJAN JAJME	SR WARD PERSON CUM DRESSOR(SG)	HUMAN RESOURCES	VIJAIPUR	Do	Do	16.11.2022
5087	KALPANA DAIMARY	MANAGER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	19.11.2022

5103	Dr.RANJAN KUMAR PRADHAN	GENERAL MANAGER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	24.11.2022
11022	BRIJ MOHAN TIWARI	CH MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	14.11.2022
15744	NISHANT GAURAV	CH MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	11.11.2022
15805	AMIT RANJAN	SR PHYSIOTHERAPIST	HUMAN RESOURCES	VIJAIPUR	A. Biological hazards (Exposure of infected patient, surgical and medical waste generated). B. Physical hazards (prolong operation of the computer) C. Radiation hazard (X-Ray machine)	A. Biological diseases. B. Visionary defects C. Radiation exposure	22.11.2022
15957	NIDHI SHARMA	SR SORTER MAIL	HUMAN RESOURCES	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	11.11.2022
16002	SAMEER SHARMA	SR MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	10.11.2022
17040	VIKASH RAJ	SR MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	23.11.2022
17281	VARUN KRISHNA	SUPERINTENDENT (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	14.11.2022
17318	DR. REKHA RATHOD	SR MANAGER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	A. Biological hazards (Exposure of infected patient, surgical and medical waste generated). B. Physical hazards (prolong operation of the computer) C. Radiation hazard (X-Ray machine)	A. Biological diseases. B. Visionary defects C. Radiation exposure	25.11.2022
17355	SWABHIMAN PATRA	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	18.11.2022
17456	DIVYA G V	JR SUPERINTENDENT (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	24.11.2022
17478	MOHD FARHAN	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	16.11.2022
17701	ANIL KUMAR SHAW	OFFICER (OL)	HUMAN RESOURCES	VIJAIPUR	Do	Do	14.11.2022
17811	YASHA SRIVASTAVA	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	18.11.2022
17972	UTKARSH RALLY	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	09.11.2022
17980	ABHA LAL	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	10.11.2022
18122	SHITAL SAILESH LAKRA	CH MANAGER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	16.11.2022
18132	MONREN AIND	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	23.11.2022
18145	RAJESH K	SR OFFICER (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	28.11.2022
18281	NAVEEN BHARDWAJ	EXECUTIVE TRAINEE (HUMAN RESOURCES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	22.11.2022
18298	DUGGUDURTHI THARUN	SR OFFICER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	28.11.2022
18379	SANJEEV KUMAR GUPTA	EXECUTIVE TRAINEE (HR)	HUMAN RESOURCES	VIJAIPUR	Do	Do	28.11.2022
18394	MAJOR (DR.) CHIRANJEET KUMAR ROY	SR OFFICER (MEDICAL SERVICES)	HUMAN RESOURCES	VIJAIPUR	Do	Do	23.11.2022
2297	SANTOSH KUMAR JAIN	DY GENERAL MANAGER (O&M-NG P/L)	INSTRUMENTATION	GADEPAN	Do	Do	22.11.2022
2880	SANJEEV KUMAR SINGH	SR ENGINEER (O&M-NG P/L)	INSTRUMENTATION	VIJAIPUR	Do	Do	17.11.2022
4513	MAHAWEEER PRASAD MARATHA	SR ENGINEER (O&M-NG P/L)	INSTRUMENTATION	CHITTORGARH	Do	Do	02.11.2022
4516	NAND LAL MEENA	ENGINEER (NG P/L O&M)	INSTRUMENTATION	KOTA DCM TRML	Do	Do	01.11.2022
8514	DINESH KUMAR VERMA	SR MANAGER (O&M-NG P/L)	INSTRUMENTATION	VIJAIPUR	Do	Do	11.11.2022
8696	VIPINBHAI CHANDUBHAI VASAVA	SR ENGINEER (GPU O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	14.11.2022
15247	CHANDRESH PARSEDIA	CH MANAGER (O&M-NG P/L)	INSTRUMENTATION	VIJAIPUR	Do	Do	04.11.2022
15704	NIKHIL KAPOOR	CH MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	16.11.2022
15720	MAYANK VERMA	CH MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	09.11.2022
16488	GIRITHARAGOPAL K.	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	24.11.2022
16513	ASHWINI KUMAR	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	10.11.2022
16515	ABHINAV SINGHI	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	15.11.2022
16633	DHANVAN SINGH	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	25.11.2022
16698	ASIF SAYED	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	03.11.2022
16716	SURENDRA KUMAR SHARMA	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	05.11.2022
16725	NISHANT KULSHRESHTHA	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	19.11.2022
16951	NEERAJ JANGID	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	07.11.2022
17094	ARUN MOHAN NAIR	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	18.11.2022
17107	SARVESH KUMAR SINGH	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	22.11.2022
17108	VINAY KUMAR YADAV	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	01.11.2022
17109	SANDEEP SINGH	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	21.11.2022
17110	MANOJ KUMAR	SR FOREMAN (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	02.11.2022
17115	GULSHAN RAMESHCHANDRA BADJATIA	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	14.11.2022
17165	NAGESH MUKESH PHULPAGAR	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	04.11.2022

17190	MISHA .	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	23.11.2022
17236	SHUBHAM SHANKER	MANAGER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	09.11.2022
17514	VIVEK KUMAR MISHRA	FOREMAN (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	07.11.2022
17688	MONA SINGH	SR ENGINEER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	15.11.2022
17720	ANUBH KUMAR	SR ENGINEER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	01.11.2022
17753	UDITYA BAYAN	SR ENGINEER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	11.11.2022
17783	CHINMAYA CHIHNARA	FOREMAN (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	17.11.2022
17851	LALITA SOUNDARI T	SR ENGINEER (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	22.11.2022
17883	ABHISHEK VERMA	SR ENGINEER (O&M)	INSTRUMENTATION	VIJAIPUR	Do	Do	07.11.2022
18094	CHINMAYA SHARMA	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	23.11.2022
18095	DEEPAK KUMAR MAURYA	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	28.11.2022
18096	MANOJ PRAJAPAT	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	24.11.2022
18099	PRASHANT LAVANIA	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	25.11.2022
18100	YOGESH TOMAR	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	22.11.2022
18366	RAJNISH YADAV	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	28.11.2022
18369	SHUBH CHOUDHARY	EXECUTIVE TRAINEE (INSTRUMENTATION)	INSTRUMENTATION	VIJAIPUR	Do	Do	23.11.2022
1564	RADHE SHYAM MEENA	SR OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	A. Chemical hazards (Explosure of hydrocarbon and other chemicals) B. Physical hazards (lower illumination).	Respiratory track and other inherent body organs, skin and vision.	09.11.2022
2968	ARUP KUMAR SENGUPTA	CH MANAGER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	22.11.2022
4889	RAJEEV KUMAR JAIN	OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	04.11.2022
4891	RAJESH MODI	OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	05.11.2022
5551	M SUBRAMANI	SR MANAGER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	19.11.2022
16790	DR. RAKSHIT KUMAR THAKKAR	SR OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	01.11.2022
18149	NEDA ARIF	OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	25.11.2022
18216	PENDYALA M SATYA KRISHNA	OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	23.11.2022
18230	SANKARNARAYANAN K	OFFICER (LABORATORY)	LABORATORY	VIJAIPUR	Do	Do	24.11.2022
1476	RADHEY SHYAM MEENA	MANAGER (O&M-NG P/L)	MECHANICAL	GADEPAN	Do	Do	15.11.2022
1477	RANGLAL BHIL	SR FOREMAN (O&M)	MECHANICAL	VIJAIPUR	Do	Do	03.11.2022
1599	LALIT KUMAR KUJUR	SR ENGINEER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	02.11.2022
1661	SHIV NARAYAN DHAKAD	SR ENGINEER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	05.11.2022
1693	RAVINDRA RAO MORE	SR ENGINEER (O&M-NG P/L)	MECHANICAL	VIJAIPUR	Do	Do	09.11.2022
1706	UDAY SINGH PANDRO	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	04.11.2022
1893	THADIUS LAKRA	SR ENGINEER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
5008	J AMIRTHARAJ CHINNADURAI	CH MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	21.11.2022
8066	AMOL RAMCHANDRAJI PACHGHARE	DY GENERAL MANAGER (O&M-NG P/L)	MECHANICAL	VIJAIPUR	Do	Do	22.11.2022
8070	NITIN VITTHALRAO NIMJE	DY GENERAL MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	16.11.2022
15113	DHIRENDRA YADAV	CH MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	24.11.2022
15121	MANISHA SONKUSALE	CH MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	18.11.2022
15347	VINAY KUMAR SINGH	CH MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	03.11.2022
15457	SANT SWAROOP	SR FOREMAN (O&M)	MECHANICAL	VIJAIPUR	Do	Do	02.11.2022
15460	MOHAMMAD ASHRAF MANSOORI	SR FOREMAN (O&M)	MECHANICAL	VIJAIPUR	Do	Do	17.11.2022
15628	RAMESH CHANDRA BHUPESH	CH MANAGER (CONSTRUCTION)	MECHANICAL	VIJAIPUR	Do	Do	04.11.2022
15963	PANKAJ SHARMA	SR MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	05.11.2022
16040	NIRANJAN G.T.	SR MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	10.11.2022
16193	VINAY RAHAR	SR MANAGER (O&M-NG P/L)	MECHANICAL	VIJAIPUR	Do	Do	11.11.2022
16660	YUVRAJ SINGH	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	07.11.2022
16916	HARSHVARDHAN SINGH RAJAWAT	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	19.11.2022
17010	JAI KUMAR MAURYA	SR FOREMAN (O&M)	MECHANICAL	VIJAIPUR	Do	Do	18.11.2022
17171	ABHIJEET VERMA	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	21.11.2022
17197	DUSMANTA KUMAR NAIK	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	01.11.2022
17204	PARASHURAM GORAKSHANATH BHALE	ASSISTANT ENGINEER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	16.11.2022
17218	DHANANJAY KUMAR	MANAGER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	15.11.2022
17625	NIKHIL RAJPUT	SR ENGINEER (O&M)	MECHANICAL	VIJAIPUR	Do	Do	07.11.2022
17832	SOORYA PRATAP	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	11.11.2022

17856	ASHUTOSH NAGAYACH	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	10.11.2022
17881	SAURABH AVINASH TURE	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	15.11.2022
17882	HIMANSHU KUMAR	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	11.11.2022
17888	YOGESHKUMAR HAMIRBHAI BHOLA	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	25.11.2022
18062	ABHAY SINGH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
18063	ASHISH KUMAR	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	23.11.2022
18064	AVINASH KUMAR SINGH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	05.11.2022
18066	NAVEEN SWAMI	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	25.11.2022
18068	RAHUL KUMAR	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	24.11.2022
18069	RISHABH NIHALANI	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
18073	AAKASH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	23.11.2022
18076	CHINMAY HRISHIKESH LOTE	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	05.11.2022
18079	SACHIVESH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
18081	SHIKHAR GUPTA	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	04.11.2022
18083	THUMMALAPALLI RUSHYANTH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	23.11.2022
18168	SANDEEP KUMAR MEENA	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	25.11.2022
18172	MERAJ AHMAD	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	24.11.2022
18177	YANDAPALLI MANOJ KUMAR	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
18260	PONIRULAPPAN M	SR ENGINEER (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	23.11.2022
18333	DURGESH KUMAR	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	07.11.2022
18335	UDAY BHASKAR VARADA	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	24.11.2022
18341	HRITIK GUPTA	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	04.11.2022
18342	GUDIVADA AKASH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	26.11.2022
18347	MANGALAM BHARATH	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	23.11.2022
18375	ABHISHEK MISHRA	EXECUTIVE TRAINEE (MECHANICAL)	MECHANICAL	VIJAIPUR	Do	Do	25.11.2022
1514	SHYAM SUNDER AGRAWAL	EXECUTIVE DIRECTOR (O&M-CR)	OIC CELL	VIJAIPUR	A. Chemical hazards (Explosure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	15.11.2022
2591	ANWAR ALAM	CH MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	19.11.2022
4059	SANDESH ANANT PADWAL	SR ENGINEER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	23.11.2022
4061	CHARUDATTA BALRAM KHARAWALE	ASST ENGINEER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	11.11.2022
4588	SANJEEV NAYAN SHARMA	DY GENERAL MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	16.11.2022
4922	BRIJENDRA KUMAR	GENERAL MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	18.11.2022
5623	PARASHMONI CHANGKAKOTY	ENGINEER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	17.11.2022
5629	DIGANTA BORUAH	ASST ENGINEER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	09.11.2022
5637	PRANJAL BORUAH	ENGINEER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	16.11.2022
8109	RAJIB PAUL	DY GENERAL MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	21.11.2022
8185	YOGESH SINGH	DY GENERAL MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	22.11.2022
15548	RAGHUVVEER SINGH KIRAR	FOREMAN (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	19.11.2022
16093	JOGINDER SINGH	SR MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	05.11.2022
16198	VENKATA RAGHU TEJA MULAKALURI	SR MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	11.11.2022
16353	AMIT KUMAR	SR MANAGER (CHEMICAL)	OPERATIONS	VIJAIPUR	Do	Do	18.11.2022
16393	SRIGIRI NAGABABU	SR MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	15.11.2022
16632	DHIRENDRA KUMAR	SR FOREMAN (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	14.11.2022
16635	VIVEK SHUKLA	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	02.11.2022
16636	VIVEK YADAV	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	25.11.2022
16637	SANJAY KUMAR PRAJAPATI	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	05.11.2022
16638	ALEEM KHAN	SR FOREMAN (O&M-GPU)	OPERATIONS	VIJAIPUR	Do	Do	04.11.2022
16639	RAJ KUMAR	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	01.11.2022
16643	JAIPRAKASH MEENA	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	03.11.2022
16644	RISHI KUMAR DWIVEDI	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	07.11.2022
16645	VIMLESH KUMAR	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	09.11.2022
16648	DAYALU	SR FOREMAN (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	16.11.2022
16700	HARISH . CHANDRA	SR FOREMAN (O&M)	OPERATIONS	VIJAIPUR	Do	Do	10.11.2022

16727	NEERAJ MEENA	MANAGER (O&M)	OPERATIONS	VIJAIPUR	Do	Do	23.11.2022
16751	ANIRBAN BISWAS	SR FOREMAN (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	22.11.2022
16754	ANKIT SHRIVASTAVA	MANAGER (O&M)	OPERATIONS	VIJAIPUR	Do	Do	25.11.2022
16942	ANKUR BHALLA	MANAGER (CHEMICAL)	OPERATIONS	VIJAIPUR	Do	Do	14.11.2022
16943	AMIT KUMAR	MANAGER (CHEMICAL)	OPERATIONS	VIJAIPUR	Do	Do	07.11.2022
17093	VISHAL SINGH CHAUHAN	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	21.11.2022
17181	VARRI SRINU	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	24.11.2022
17225	KUNAL	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	02.11.2022
17234	PINTU JAIN	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	19.11.2022
17235	RAHUL VIJAY	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	01.11.2022
17254	AWINASH BHARTI	MANAGER (GPU OPERATIONS)	OPERATIONS	VIJAIPUR	Do	Do	04.11.2022
17282	PANNA LAL	ASST ENGINEER (CHEMICAL)	OPERATIONS	VIJAIPUR	Do	Do	15.11.2022
17513	VINEET KUMAR	FOREMAN (CHEMICAL)	OPERATIONS	VIJAIPUR	Do	Do	11.11.2022
1379	BALRAM PATIDAR	SR ENGINEER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	VIJAIPUR	A. Chemical hazards (Explosure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer.	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	26.11.2022
1420	ARVIND BYWAR	CH GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	22.11.2022
1427	R D MEENA	MANAGER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	ANTA	Do	Do	04.11.2022
1562	ANIL SHARMA	MANAGER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	10.11.2022
1577	RAM MILAN KORI	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	14.11.2022
1601	RUPESH DUTT HARIT	SR MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	21.11.2022
1675	MUNENDRA KUMAR PRATAP	MANAGER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	KOTA DCM TRML	Do	Do	24.11.2022
1695	SHASHI KUMAR GAIGAWALE	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	19.11.2022
1697	LAXMI NARAYAN OJHA	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	18.11.2022
1802	JITENDRA BHIMRAO TORNE	CH GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	15.11.2022
1826	PRAVEER KUMAR	CH GENERAL MANAGER (O&M-HVJ)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	18.11.2022
2247	HARI RAM MEENA	CH MANAGER (O&M)	OPERATIONS & MAINTENANCE	KOTA DCM TRML	Do	Do	05.11.2022
2666	RAMESH PARIHAR	GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	09.11.2022
2730	R ALOY MARKUS ANTONY	DY GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	23.11.2022
2858	SATYA NARAYAN MEENA	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	03.11.2022
3598	VARA PRASAD SSRV GORTHI	GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	17.11.2022
4013	NILESH RAGHUNATH NAIK	FOREMAN (GPU O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	05.11.2022
4037	SUNIL RAMCHANDRA THAKUR	ENGINEER (NG P/L O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	09.11.2022
4504	DINESH S DIVEKAR	CH GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	11.11.2022
4997	SANJAY KUMAR JAIN	DY GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	18.11.2022
5530	RAJIV KHURANA	DY GENERAL MANAGER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	16.11.2022
5548	BALRAJ PARSHOTTAMBHAI DABHI	DY GENERAL MANAGER (O&M-GPU)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	07.11.2022
8551	KESHAV GAUR	SR MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	04.11.2022
8631	RAVI AGRAWAL	DY GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	11.11.2022
8635	SUSHIL KUMAR MISRA	GENERAL MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	10.11.2022
15094	ASHOK KUMAR KHATIK	CH MANAGER (O&M-NG P/L)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	10.11.2022
15346	AJAY KUMAR TRIPATHI	CH MANAGER (RIMG)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	21.11.2022
15529	OM PRAKASH DAU	MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	15.11.2022
15945	SANJEEV KUMAR	SR OPERATOR (O&M-GPU)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	01.11.2022
15980	ANKIT	SR MANAGER (O&M-CIVIL)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	19.11.2022
16197	SANDEEP AGRAWAL	SR MANAGER (O&M - GPU OPER.)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	14.11.2022
16354	RAVINDRA PAL SINGH	MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	25.11.2022
16653	MITHUN MANNA	SR FOREMAN (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	03.11.2022
16662	BISWAJIT ROUTH	SR FOREMAN (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	17.11.2022
16788	MAHAVEER SINGH	SR FOREMAN (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	10.11.2022
16795	LAXMI NARAYAN SAINI	SR FOREMAN (NG P/L O&M)	OPERATIONS & MAINTENANCE	GADEPAN	Do	Do	02.11.2022
16843	YOGESH DOHARE	SR FOREMAN (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	11.11.2022
17083	RAMAKRISHNA MULLAPUDI	MANAGER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	01.11.2022
17217	DHARMENDRA SINGH MEENA	SR FOREMAN (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	10.11.2022

17855	CHAVALI BHARATH CHANDRA	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	07.11.2022
17945	PRINCY CHANDRA	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	16.11.2022
17951	SUDHANSH PATHAK	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	05.11.2022
17959	VINUPRIYA V	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	16.11.2022
18161	AKSHAY KUMAR	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	28.11.2022
18214	KADAM OMKAR DEVIDAS	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	26.11.2022
18215	MD. SADIQUE ANSARI	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	24.11.2022
18217	TIBREWALA SAURABH MADHUSUDHAN	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	23.11.2022
18231	ADITYA RASTOGI	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	04.11.2022
18232	HARIS N	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	24.11.2022
18233	ABHISHEK KUMAR	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	26.11.2022
18234	VISHAL KUMAR MISHRA	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	25.11.2022
18235	MEHUL VASHISHT	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	28.11.2022
18236	MOHIT KUMAR	SR ENGINEER (O&M)	OPERATIONS & MAINTENANCE	VIJAIPUR	Do	Do	24.11.2022
1326	SANTOSH KUMAR MALI	WORKMAN GRD IV	PIPELINE	VIJAIPUR	Do	Do	07.11.2022
1470	MOHAN PRASAD KHANAI	JR SUPERINTENDENT (HR)	PIPELINE	ANTA	Do	Do	10.11.2022
1704	CHHOTU LAL MEENA	MANAGER (O&M-NG P/L)	PIPELINE	GADEPAN	Do	Do	15.11.2022
5019	SHANKAR DAYAL SHARMA	ASST ENGINEER (O&M)	PIPELINE	VIJAIPUR	Do	Do	03.11.2022
17340	KULWANT SINGH HADA	FOREMAN (O&M-NG P/L)	PIPELINE	GADEPAN	Do	Do	05.11.2022
1292	PADMANABH R FANSE	DY GENERAL MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	A. Chemical hazards (Exposure of hydrocarbon) B. Physical hazards (noise in work area) and prolong operation of the computer. C. Radiation hazard (Infra red, ultraviolet and radiation effect)	A. Respiratory track and other inherent body parts, skin and vision. B. Hearing organ.	15.11.2022
1927	SURAJ SINGH	CH MANAGER (GPU OPERATIONS)	PROJECT	VIJAIPUR	Do	Do	03.11.2022
4550	RAMESH CHAND GOLIYA	CH MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	Do	Do	04.11.2022
4842	MUKESH KUMAR GAUR	GENERAL DRAFTSMAN	PROJECT	VIJAIPUR	Do	Do	02.11.2022
4960	RAM BALI YADAV	DY GENERAL MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	Do	Do	10.11.2022
5555	ASHISH KUMAR MISHRA	DY GENERAL MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	Do	Do	05.11.2022
5572	RATAN DAS	GENERAL MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	Do	Do	07.11.2022
15884	MUKESH KUMAR	SR MANAGER (CONSTRUCTION)	PROJECT	VIJAIPUR	Do	Do	01.11.2022
5639	CAPT. G. RAJA KUMAR	CH MANAGER (SECURITY)	SECURITY	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	05.11.2022
17269	VIKRAMADITHYA V.	SR OFFICER (SECURITY)	SECURITY	VIJAIPUR	Do	Do	19.11.2022
2146	ABHAY KUMAR MOHANTY	DY GENERAL MANAGER (VIGILANCE)	VIGILANCE	VIJAIPUR	Physical hazards (prolong operation of the computer)	Strain on vision and backache	21.11.2022

TQ

TATA PROJECTS
QUALITY SERVICES

TQ SERVICES

A Division of Tata Projects Limited

Certification No: TQ/EMP/ 977

Date : 30-04-2021

This certificate is issued to
GAIL (India) Limited

Gas Processing Unit (GPU)
Post Office Vijaipur, Dist. Guna – 473112, M.P.

To certify that the above Processing Unit
has been assessed and the documents stated below are complying with the requirements of :
PNGRB Notification GSR 39 (E) PNGRB Codes of Practices for Emergency Response and Disaster
Management Plan (ERDMP) Regulations'2010, as amended till date.

ERDMP Manual No	: GAIL/VJPR/ERDMP/GPU/Issue: 04
Chapters	: 31 Nos.
Annexures	: 24 Nos.
Schedules	: 09 Nos.
Checklists	: 07 Nos.
Pages	: 168 Nos. (excluding annexures)
Valid up to	: 29-04-2024

Audit Report No. : 146703-26032021

Audit Date : 25 & 26 Mar 2021

Sampat Suri

SAMPAT SURI
Head Certification
TQ Services - A Division of TATA Projects Ltd
SBC Services, Splendid Tower, 6th Floor
Pl.No. 1-8-364, 437, 438 & 445, S.P. Road
Begumpet, Hyderabad - 500 016, INDIA

Signature and Seal of the Certification Agency

ANNEXURE - 8

EMERGENCY RESPONSE & DISASTER MANAGEMENT PLAN



DOCUMENT CONTROL SHEET

This document is a sole property of GAIL India Ltd. Gas Processing Unit, Jajpur, and GAIL India Limited. Jajpur is authorized to make any changes in the document as per regulations or to update contact details or any other details related to ERDMP.

Date of recommendation of ERDMP by auditor or audit team: 30.01.2021

Name of Party with complete address including pin code for which ERDMP is recommended: GAIL India Limited, Gas Processing Unit (GPIU), Post Office - Jajpur, District - Jajpur, Odisha - 751124, India.

Type of installation: Gas Processing Unit (GPIU) under jurisdiction of GAIL India Ltd, Jajpur.

ERDMP Document Number with latest Revision number: GAIL VIPR ERDMP GPIU Issue - 01

Number of Chapters or Regulations: 3 Nos.

Total number of pages in ERDMP: 168 Nos.

Number of Checklists: 07 Nos.

Number of Annexures: 24 Nos.

Number of schedules: 09 Nos.

Onsite audit visit date by team: 25.03.2021 & 26.03.2021

Please Submit detailed mitigation plan if any for short and Long term projects related to ERDMP: All findings have been complied

ERDMP is valid up to: Year 2024 (29.04.2024)

Audit Report Number: SR No 146703

Document prepared by: DGM (F&S), GAIL, Jajpur

Document reviewed by: G.M. (F&S), GAIL, Jajpur

Document Approved by: M/s TO Services (A Division of Gas Projects Limited)

Codes of practices to Emergency Response & Disaster Management Plan regulators, 2010 amendment 2020, framed under Natural Gas Regulatory Board Act, 2006

Document copy to: Regulatory Board Act, 2006

Prepared by: A W Dhanrade DGM (F&S)

Reviewed by: D P Nanda CGM (F&S)

Certified by: Sompat Sun

Head of Certification Agency: S. P. SURI

Lead Auditor: TOS Rajendra Goyal

Address: TOS Services, 3rd Floor, Tower, 8th Floor, 1-3-364, 437, 438 & 445, G.P. Road, Jajpur, Odisha - 751124, India.

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Issue: 4

GAIL/VJPR/ERDMP/GPU

13.04.2021

TQ

TATA PROJECTS
QUALITY SERVICES

TQ SERVICES

A Division of Tata Projects Limited

Certification No: TQ/EMP/ 976

Date : 30-04-2021

This certificate is issued to
GAIL (India) Limited

HVJ Compressor Station and cross country Natural Gas Pipelines
HVJ Compressor Station, Post Office Vijaipur, Dist. Guna – 473112, M.P.

To certify that the above Pipeline Network has been assessed and the documents stated below are complying with the requirements of :

PNGRB Notification GSR 39 (E) PNGRB Codes of Practices for Emergency Response and Disaster Management Plan (ERDMP) Regulations'2010, as amended till date.

ERDMP Manual No	: GAIL/VJPR/ERDMP/HVJ/Issue: 04
Chapters	: 31 Nos.
Annexures	: 23 Nos.
Schedules	: 09 Nos.
Checklists	: 07 Nos.
Pages	: 144 Nos. (excluding annexures)
Valid up to	: 29-04-2026

Audit Report No. : 146709-24032021

Audit Date : 23 & 24 Mar 2021

Sampat Suri

SAMPAT SURI
Head Certification
TQ Services - A Division of TATA Projects Ltd.
SBC Services, Splendid Tower, 6th Floor
P.No. 1-8-364, 437, 438 & 445, S.P. Road
Begumpet, Hyderabad - 500 016, INDIA

Signature and Seal of the Certification Agency



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम-एक महारतन कंपनी)

GAIL (India) Limited

(A Government of India Undertaking-A Maharatna Company)

पोस्ट, गेल कॉम्प्लेक्स : विजापुर
जिला गुना प्र.म. (473 112)

P.O. GAIL Complex, Vijaipur
Dist. Guna (M.P) 473 112

दूरभाष /Phone: (07544) 274444
फैक्स /Fax: (07544) 274600
info@gail.co.in

Through Speed Post

Sr.No.: GAIL/VJPR/F&S/30/2022

Date: 06.07.2022

TO,
The Chief Controller of Explosives (Petroleum and Explosives Safety Organization)
A. Block, C.G.O. complex
Fifth, Seminary Hills
Nagpur - (Maharashtra)
Pin Code - 440006

Subject: Various Reports Related to Safety of GAIL (India) Limited, Vijaipur, Dist. Guna

Sir,

The following report related to safety of GAIL (India) Limited, Vijaipur, Distt. Guna is enclosed with this letter.

1. Annual External Safety Audit Report (02 Report) related to Gas Processing Unit (31st August to 3rd September 2021) and HVJ Compressor Station and Pipeline (4th -8th January 2021) with Compliance Report is attached.
2. Quarterly Plant Safety Committee report which was conducted on 10.05.2022 is enclosed.
3. Annual Off-Site Mock Drill Report which was conducted on 22.02.2022, GAIL Vijaipur had participated in BPCL, Kota.is enclosed
4. Quarterly On-Site Mock Drill Report which was conducted on 31.03.2022 is enclosed.
5. Compliance report with Annual Internal Safety Audit Report 2021 (Proactive Safety Audit) related to Gas Processing Unit and HVJ compressor station and pipeline is enclosed.
6. A copy of the updated schedule-8 is attached.
7. All Annexures of Schedule 8 and soft copy of all the above reports are attached in DVD.

This is presented for your information and record.

Thanking You,

[Signature]
6/7/2022

(G Senthil)

General Manager(F&S)

E-mail: gsenthil@gail.co.in

Copy to: Executive Director (Central Region) and Officer-in-Charge, GAIL, Vijaipur - For information please.

पंजीकृत कार्यालय :
गेल भवन, 16 भीकाजी कामा प्लेस
नई दिल्ली-110066, इंडिया

REGD. OFFICE
GAIL BHAWAN 16 BHIKAJI CAMA PLACE
NEW DELHI 110066, INDIA

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