OK

Reliance

Gas Pipelines Limited

Ref No: RIL/SHDL/S&OR/2022-23/0120 **Date:** 22.09.2022

To,
Member Secretary,
M.P. Pollution Control Board,
E-5, Arera Colony,
Paryavaran Parisar, Bhopal - 462016,
Madhya Pradesh.

क्षेत्रीय कार्यालय
नियंत्रण बोर्ड
28/9/22
Kamlesh Ahirwar
जिला-शहडोल (म.प्र.) 484001
फोन: 07652-231938

Subject: Submission of Environmental Statement (Form - V) of Reliance Gas Pipelines Limited for the Financial Year ended 31st March 2022.

Dear Sir,

We would like extend our sincere gratitude towards the Madhya Pradesh Pollution Control Board for granting Consent to Operation (CTO) vide consent order no: AWH – 52906 dated 02.02.2021 and valid up to 30.09.2023 for M/s Reliance Gas Pipelines Limited, for Shahdol-Phulpur Natural Gas Pipeline and associated facilities (Compressor Station, Mainline Valve Stations, and Intermediate Pigging Station).

In accordance with the Rule No.14 of Environment (Protection) Rules, 1986 and the General Condition no. 9 of the Consent. Please find enclosed herewith the Environment Statement for the financial year ending 31st March 2022.

This is for your kind information and record please.

Thanking you,

Yours faithfully,

For **Reliance Gas Pipelines Limited**

RGPL CS. 01 SHAHDOL

(Authorized Signatory)

Encl.: As above.

CC: Regional Officer
Madhya Pradesh Pollution Control Board,
Gortara, Budhar Road
Shahdol – 484001

FORM-V

[See Rule - 14 of the Environment (Protection) Act, 1986]

Environmental Statement for the Financial Year 2021-22 ending 31st March 2022

PART - "A"

General Information

1.	Company Name	:	M/s. Reliance Gas Pipelines Limited (RGPL)
2.	Occupier Name	:	Sh. Venkata Ravikumar Prekki
3.	Registered Office Address	:	Reliance Gas Pipelines Limited, 9th Floor, Maker Chambers IV, 222, Nariman Point, Mumbai - 400021.
4.	Factory Address	:	Reliance Gas Pipelines Limited, Compressor Station No. 01, Survey No. 114, 110/1, 110/2, Village Jallitola, Post. Pakariya, Tehsil Burhar, Dist. Shahdol, Madhya Pradesh, PIN - 484110.
5.	Industry category	:	Primary - Large Secondary - Red
6.	Production Capacity- Units	:	This is a pipeline transportation infrastructure and there is no production involved. Compressor Station merely boosts the pressure of CBM gas in the pipeline. The pipeline has capacity to transport up to 3.5 MMSCMD of CBM gas.
7.	Year of Establishment	:	2015
8.	Date of last environmental statement submitted		23.09.2021

PART - "B"

Water and Raw Material Consumption

B_1 - Total Water Consumption (M^3/day)

Purpose	Total Water Consumption (m^3/day)	
	During the current Financial Year 2020-21	During the current Financial Year 2021-22
Domestic Utility (Fire Water) Green belt	10	9.1

B_2 - Water Consumption per unit of the product (M^3/MT)

Name of Product	Water Consumption per unit of the product (M^3/MT)	
	During the current Financial Year 2020-21	During the current Financial Year 2021-22
Not Applicable	Not Applicable	Not Applicable

- Operation of CBM gas pipeline does not require water for its process. It does not include raw material consumption and product generation also.

B_3 - Raw Material Consumption (MT/MT)

Name of Raw material	Name of Product	Consumption of Raw material per unit of output (MT/MT)	
		During the current Financial Year 2020-21	During the current Financial Year 2021-22
Not Applicable	Not Applicable	Not Applicable	Not Applicable

- Since there is no manufacturing process involved, there is no raw material consumed.

PART - "C"

Pollution Discharged to Environment/Unit of Output

(Parameters as specified in the consent issued)

C_1 - Water Pollution

Pollutant	Prescribed Limit	Quantity of pollutant discharge (kg/Day)	Concentration of pollutants in Discharge (Mass/Volume)	Percentage of variation from prescribed limit with reason
Domestic Waste Water	2 KLD	< 2 KLD	Domestic sewage is not discharged to any stream/water body.	No Exceedance from the prescribed limits

- There is no effluent generation at Compressor Station and associate facilities i.e. compressor station and MLV. Domestic sewage generated is being disposed in septic tank followed by soak pit within the premises.

C_2 - Air Pollution / Stack Emission

(a) Air Consent		
Characteristics		
PM	Monitoring is being carried out regularly by MoEF&CC recognized agency. All the parameters are found within the permissible limits. Quarterly reports are submitted to MPPCB.	All the parameters are found within the permissible limit. No Exceedance from the prescribed limits.
SOx		
NOx		
CO		
Noise		
		As per National Ambient Air Quality (NAAQ) Standards. No Exceedance from the prescribed limits.

- The stack emission monitoring report and Ambient Air Quality Report have been submitted on quarterly basis and results are within the prescribed limits.

PART - "D"
Hazardous Waste

[As specified under Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016]

Sl	Hazardous Waste	Total Quantity (in MT)	
		During the current Financial Year 2020-21	During the current Financial Year 2021-22
1	From Process (Used oil from GERC, GEG and DEG)	9.99 MT	2.08 MT
2	From Pollution Control Facilities	Nil	Nil

- Used oil is handled properly as a result of which there is no impact on the environment.

PART - "E"
Solid Waste

Sr. No.	Solid Waste	Total Quantity	
		During the current Financial Year 2020-21	During the current Financial Year 2021-22
a)	From process	Nil	Nil
b)	From pollution control facility	Nil	Nil
c)	(1) Quantity recycled or re-utilized	Nil	Nil
	(2) Sold	Nil	Nil
	(3) Disposed	Nil	

PART - "F"

Characteristics of Hazardous / Solid Waste

Sr. No.	Type of HW	Characterization (in terms of composition and quantum)	Disposal
1	Used Oil	2.08 MT Analysis report of Used oil is attached as **Annexure 1**.	Used oil generated during servicing of generator sets was disposed through approved recycler M/s Bhasker Lubricants Pvt. Limited, Jabalpur (M.P.).

Authorization for collection, storage and transportation of Hazardous waste has been granted by Madhya Pradesh Pollution Control Board. Used or Spent Oil, empty barrels / containers / liners contaminated with hazardous wastes and wastes or residue containing oil are generated and stored at designated location.

PART - "G"

Impact of Pollution Control Measures taken on Conservation of Natural Resources and on the Cost Production

1. Proper stack has been provided as per the minimum stack height criteria stipulated by Central Pollution Control Board for proper dispersion and dilution of the exhaust gases.
2. Ground water is recharged by catching the storm water in rain water harvesting pond at compressor station. A separate impermeable oily water sewer is provided to avoid contamination of soil / ground water.
3. Significant improvements in reducing energy are achieved through following
   - Installation of power factor improving capacitors at MLV.
   - Instrument Air Compressor start & stop cycle implementation
   - Managing power requirement with single GEG instead of two GEG.
   - Compressors are run by Gas which is eco-friendly fuel.
   - Optimization of fuel consumption using Pipeline Application software (PAS)
   - Installation of Solar power panel at Manual MLV's.

Apart from ensuring control of pollution, the measures also have resulted in tangible gains as far as conservation of natural resources is concerned.

PART - "H"

Additional Investments / projections on Environmental protection
(Additional Measures / Investment Proposal for Environmental Protection including Abatement of Pollution, Prevention of Pollution)

- Pollution control measures are taken in all our operational areas.
- Adequate fire detection and protection arrangements have been provided to effectively control the fire hazards.
- ISO 14001:2015 certification for Environment Management System is in place for Shahdol – Phulpur Natural Gas Pipeline.
- Acoustic enclosure is fixed in the GEG & DG Set.
- Regular Monitoring of Ambient Air Quality, GEG & DG set is done.
- Green belt Development are done regularly to keep the environment healthy.

PART - "I"

Any Other Particulars in Respect of Environmental Protection and Abatement of Pollution

1. Dry Low Emission (DLE) system and LENO_X controller are built in Gas Engine Reciprocating Compressor (GERC) and Gas Engine Generator (GEG) respectively for control of NO_X concentration in flue gases. These engineering controls reduce the concentration of nitrogen oxides in flue gases.
2. Acoustic enclosures are provided to control the noise from D.G Sets.
3. Septic tank followed by soak pit is provided to treat the sewage at compressor station. Measures are taken to avoid over flow from soak pit.
4. Solid Wastes (i.e. paper, wood, plastic material, discarded batteries etc.) are segregated, put in designated garbage bins and stored properly till disposal without causing pollution to environment. Top priority is given to waste minimization and cleaner practices at compressor station.
5. Separate storage facility for Hazardous wastes (i.e used oil, discarded lead acid batteries) is maintained to avoid spillages, leakages.

6. Noise monitoring instruments have been procured to measure noise levels at GERC, GEG, D.G Sets, Fire Water Pump (Motor), etc, hence auditory related problems can be avoided. Noise levels are also measured along with periphery of compressor station. Proper control measures are implemented at noise prone area to avoid the adverse effects of noise pollution.

7. Horticulture agency is hired for maintaining the green belt and land scaping. Various local species had been identified for plantation purpose.

8. Since methane is one of potential Green House Gases (GHG), vents and valve flanges are monitored using the Leak Detection and Repair (LDAR) programme to avoid the natural gas leakage.

Date: 22.09.2022

Place: Shahdol

K. Shah

Authorised Signatory