



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

पोस्ट: गेल कॉम्प्लेक्स, विजायपुर
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

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-टीएस) को.पी.यू.
Manager (EMC-TS) G.P.U.
गेल (इंडिया) लिमिटेड, विजायपुर-गुना (म.प्र.)
GAIL (India) Ltd., Vijaipur-Guna (M.P.)

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



पंजीकृत कार्यालय : 16, भोकाएजी कामा प्लेस, आर.के पुरम, नई दिल्ली – 110 066

Regd. Office: 16, Bhikaiji 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,	572.9 SM ³ / MT of Product	538.07 SM ³ / MT of Product

& 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	
(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	The actual values of the parameters are well within the limits of the prescribed standards as per Consent Conditions
(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
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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	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 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, Vijaipur in FY 22-23 are 803 nos.

PART - H:

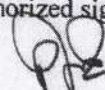
Condition	Remarks
Additional investment proposal for environmental protection including abatement of pollution.	Rs. 4.29 Cr- for Energy Saving initiatives, Environment Monitoring, ETP O&M, Consent Fees and Waste Management (FY 2022 - 2023).

PART - I:

Miscellaneous

Condition	Remarks
Any other particulars in respect of environment protection and abatement of pollution.	<ol style="list-style-type: none"> 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)

पिन्टू जैन
Pintu Jain

प्रबंधक (ईएमसी-टीएस) जी.पी.यू.
Manager (EMC-TS) G.P.U.

गैल (इण्डिया) लिमिटेड, विजापुर-गुना (म.प्र.)
GAIL (India) Ltd., Vijaipur-Guna (M.P.)