

गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम - महारत्न कंपनी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharatna Company)

No. GAIL/USAR/PDHPP/MOEFCC/HY/2025/01

To, Addl. Principal Chief Conservator of Forests (C), Ministry of Env., Forest and Climate Change Regional Office (WCZ), Ground Floor East Wing, New Secretariat Building, Civil Lines, Nagpur-440001

Ref.: F.No. J-11011/464/2017-IA-II(I) dated 13.10.2020

Subject: Submission of compliance status to the conditions of Environmental Clearance accorded for setting up of 500 KTA Propane dehydrogenation unit integrated with Polypropylene unit by M/s. GAIL (India) Limited at Usar Industrial Area, Village-Usar, Tehsil- Alibag, District- Raigad (Maharashtra)

Dear Sir,

Please find enclosed herewith compliance status to the conditions of Environmental Clearance accorded for setting up of 500 KTA Propane Dehydrogenation unit integrated with Polypropylene Unit to M/s. GAIL (India) Limited, Usar.

This project is under construction stage and the compliance is for the period of October 2024 to March 2025.

Thanking You,

Yours Truly,

Anup Gupta

Chief General Manager (PDH-PP Projects) & OIC

Enclosure: Half Yearly EC compliance (October 2024- March 2025)

पंजीकृत कार्यालय :

गेल भवन, 16 भीकाएजी कामा प्लेस

नई दिल्ली - 110 066, इंडिया

REGD. OFFICE:

GAIL BHAWAN, 16 BHIKAIJI CAMA PLACE

NEW DELHI - 110 066, INDIA.

सीआईएन/ CIN L402200DL1984GOI018976

पेट्रकेमिकल कॉम्पलेक्स, मृ.उसर, पोस्ट-मल्याण,

महाराष्ट्र - 402 203

Petrochemical Complex

At - Usar, Post - Malyan,

Maharashtra - 402 203. GSTN : 27AAACG1209J3ZU

Tal - Alibag, Dist - Raigad,

01.04.2025

तालुका - अलिबाग, जिला रायगड,

www.gailonline.co.in

D .	Compliance of Environmental Clearance conditions for the period 1st Octo	ber 2024 to 31st March 2025
Proj	ect: Setting up of 500 KTA Propane Dehydrogenation unit integrated with Polypropy Reference No.: F. No. J-11011/464/2017-IA-II(I) dated 13th October	er 2020
Compli	ances of terms and conditions (A. Specific Conditions):	1, 2020
Compi	The company shall comply with all the environmental protection measures and	
	safeguards proposed in the documents submitted to the Ministry. All the	
(i)	recommendations made in the EIA/EMP in respect of environmental	Shall be complied with.
(i)	management, and risk mitigation measures relating to the project shall be	Shan be complied with.
	implemented.	
	implemented.	
	As already committed by the Project proponent, Zero Liquid Discharge shall be	ZLD is included in design and shall b
(ii)	ensured and no waste/treated water shall be discharged outside the premises. All	implemented
	the waste water to be collected and to be reused after treatment	Implemented
	To control source and the fugitive emissions, suitable pollution control devices	
(iii)	shall be installed with different stacks to meet the prescribed norms as notified by	Shall be complied with.
(111)	MOEFCC 2012 for new refineries.	Sittle Se compiled William
	Total fresh water requirement shall not exceed 480 m3/hour to be met from	
(iv)	MIDC water supply. Necessary permission in this regard shall be obtained from	Noted and shall be complied with.
(14)	the concerned regulatory authority.	Trotte dita sina se se il piere
	Process effluent/any waste water shall not be allowed to mix with storm water.	
(v)	Storm water drain shall be passed through guard pond.	Shall be complied with.
	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame	
(vi)	arresters shall be provided on tank farm, and solvent transfer to be done through	Shall be complied with.
(41)	pumps.	Same of Company Hann
	Process organic residue and spent carbon, if any, shall be sent to cement industries.	
	ETP sludge, process inorganic & evaporation salt shall be disposed off to the	
(vii)	TSDF. The ash from boiler shall be sold to brick manufacturers/cement	Shall be complied with.
	industry	a .
(-:::)	Regular VOC monitoring shall be done at vulnerable points.	Shall be complied with.
(viii)	The oily sludge shall be subjected to melting pit for oil recovery and the residue	9 as a second second
(ix)	shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper	Shall be complied with during the
(IX)	leachate collection system.	operation phase of the Plant.
	Comprehensive water audit to be conducted on annual basis and report to the	
(*)	concerned Regional Office of MoEF&CC. Outcome from the report to be	Shall be complied with, during the
(x)		operation phase of the Plant.
	implemented for conservation scheme. Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water	
(xi)		Shall be complied with.
(wii)	drainage system inside the factory premises. The company shall undertake waste minimization measures as below: -	
(xii)	The company shall undertake waste minimization measures as below.	
	(a) Metering and control of quantities of active ingredients to minimize waste.	
	(b) Reuse of by-products from the process as raw materials or as raw material	
	substitutes in other processes.	
	(c)Use of automated filling to minimize spillage.	Noted and shall be complied with as
	(d) Use of Close Feed system into batch reactors.	applicable.
	(e) Venting equipment through vapour recovery system.	
	(f) Use of high pressure hoses for equipment cleaning etc. to reduce wastewater	
	generation.	
	The green belt of 5-10 m width shall be developed in more than 33% of the total	
	project area, mainly along the plant periphery, in downward wind direction, and	
(xiii)	along road sides etc. Selection of plant species shall be as per the CPCB guidelines	Noted and Shall be complied with.

	in consultation with the State Forest Department.	In line with the directions of District
		Administration, CER projects are bei
	As committed Rs. 20.77 crores shall be allocated for Corporate Environment	implemented by respective Group
(!)	Responsibility (CER) shall be utilized for meeting the commitment of the issues of	Grampanchayat of villages in vicinity
(xiv)	public hearing. The CER plan shall be completed before commissioning of the	the plant premises. GAIL's CER fund
	expansion of the project.	utilized for community welfare
		measures.
	A separate Environmental Management Cell (having qualified person with	ASSAUGUSAS VIJA
(xv)	Environmental Science/Environmental Engineering/specialization in the project area)	Shall be complied with.
A 800	equipped with full-fledged laboratory facilities shall be set up to carry out the	
	Environmental Management and Monitoring functions.	
,	The unit shall make the arrangement for protection of possible fire hazards during	Shall be complied with
(xvi)	manufacturing process in material handling. Firefighting system shall be as per the	Shall be complied with.
	norms.	
	Continuous online (24x7) monitoring system for stack emissions shall be installed	*
	for measurement of flue gas discharge and the pollutants concentration, and the	Chall be a series a series
(xvii)	data to be transmitted to the CPCB and SPCB server. In case of the treated effluent	Shall be complied with.
- 2	to be utilized for irrigation/gardening, real time monitoring system shall be	
	installed at the ETP outlet.	
	PP to set up occupational health Centre for surveillance of the worker's health	0
(vviii)	within and outside the plant on a regular basis. The health data shall be used in	Shall be complied with.
(xviii)	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Shall be complied with.

(xix)	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	Shall be complied with.
(xx)	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.	Shall be complied with.
Complia	ances of terms and conditions (B. General Conditions):	
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and shall be complied with.
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Noted and shall be complied with.
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noted and shall be complied with.
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	In line with the directions of District Administration, CER projects are being implemented by respective Group Grampanchayat of villages in vicinity of the plant premises. GAIL's CER fund is utilized for community welfare measures.
(v)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Noted and shall be complied with.
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied.
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied and will be further ensured
(viii)	The environmental 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 along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	The proposed Project is under various stage of Design and tendering and submission of Enviornment Statement (Form-V) will be undertaken after Plant commercial operation.
(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. Has been advertised on 20th October, 2020. A copy of same has been sent to MoEFCC Regional Office at Nagpur.
(x)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted and shall be complied with.
(xi)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA. Autonagar, Visakhapatnam-530012.
Hyderabad. Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.
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Ref: SVELC/GIL-M//24-10/01

Date: 05-11-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.
PETROCHEMICAL COMPLEX,
At- USAR, POST- MALYAN,
TAL-ALIBAG, DIST-RAIGAD,
MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR ADMINISTRATIVE BUILDING

DATE & TIME OF START

26-10-2024 @ 10:45 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

			ENERGY AND T		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAOS
1	Particulate Matter – (PM ₁₀)	ug/m³	56.9	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	μg/m ³	20.4	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	μg/m ³	13.6	IS 5182- P2	80
4	Oxides of Nitrogen - (NO2)	μg/m³	12.7	IS 5182- P6	80
5	Lead as (Pb)	ug/m³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	ug/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m³	BDL	APHA-302	06
8	Ozone as (O ₃)	ug/m³	10.9	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.20	IS:5182- P 10	02
Second Second	Benzene as (C ₆ H ₆)	μg/m³	BDL	IS. 5182-P 11	05
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	(Annual)

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/ 478-DTE-2024	09.05.2024	08.05.2025

CHECKED BY



Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012. Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkempet Road, S.R.Nagar, Hyderabad-500038. ### Part
Part



Ref: SVELC/GIL-M//24-10/02

Date: 05-11-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR FIRE & SAFETY CR

DATE & TIME OF START

26-10-2024 @ 11:15 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQ5
1	Particulate Matter – (PM ₁₀)	ug/m³	52.6	IS 5182- P23	
2	Particulate Matter – (PM2.5)	μg/m ³	18.9	IS 5182- P24	100
3	Sulphur Dioxide – (SO ₂)	ug/m ³	12.3		60
4	Oxides of Nitrogen - (NO ₂)	ug/m ³	11.8	IS 5182- P2	80
5	Lead as (Pb)	µg/m³	BDL	IS 5182- P6	80
6	Ammonia as (NH ₃)	иg/m ³	<20	IS:5182 -P22	10
7	Arsenic as (As)	ng/m ³	BDL	IS 5182- P25	400
8	Ozone as (O ₃)	μg/m ³		APHA-302	06
Ŋ	Nickel as (Ni)	ng/m ³	9,84	IS:5182 P 9	100
10	Carbon Monoxide as (CO)	mg/m ³	BDL	IS 5182- P26	20
1 1		3332/111	0 16	IS:5182- P 10	02
prompt prompt	Benzene as (C ₆ H ₆)	$\mu g/m^3$	BDL	IS: 5182-P 11	05
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	(Annual)

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM – 154/ 480-DTE-2024	09.05.2024	08.05.2025

CHECKED RV





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)



Ref: SVELC/GIL-M//24-10/03

Date: 05-11-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.
PETROCHEMICAL COMPLEX,
At-USAR, POST-MALYAN,
TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR SUBSTATION

DATE & TIME OF START

26-10-2024 @ 11:50 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
- Section of the sect	Particulate Matter – (PM ₁₀)	ug/m³	61.5	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	μg/m³	23.8	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	μg/m ³	15.3	IS 5182- P2	80
4	Oxides of Nitrogen - (NO ₂)	μg/m ³	17.1	IS 5182-P6	80
5	Lead as (Pb)	μg/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	μg/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m³	BDL	APHA-302	06
8	Ozone as (O ₃)	μg/m ³	13.1	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m ³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m³	0.24	IS:5182- P 10	02
11	Benzene as (C ₆ H ₆)	μ g /m ³	BDL	(S: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	- Lata Envirotech	APM – 154/ 481-DTE-2024	09.05.2024	08.05.2025

CHECKED BY



Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012. Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038. Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/GIL-M//24-10/04

Date: 05-11-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX. At-USAR, POST-MALYAN. TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR LABORATORY BUILDING (OLD)

DATE & TIME OF START

26-10-2024 @ 12:20 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Skv

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	ug/m³	55.7	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	μg/m ³	18.4	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	μg/m ³	14.3	IS 5182- P2	80
4	Oxides of Nitrogen – (NO ₂)	μg/m³	13.8	IS 5182- P6	80
5	Lead as (Pb)	μg/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	µg/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m³	BDL	APHA-302	06
8	Ozone as (O ₃)	µg/m ³	11.7	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.15	IS:5182- P 10	02
Second Second	Benzene as (C ₆ H ₆)	in8/m ₃	BDL	IS·5182-P 11	05
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	(Annual)

Instrument Used	Make	Model/SI No	Calibrated	Calibration Due
PM10 / PM2.5 Sampler	Lata Envirotech	APM - 154/ 477-DTE-2024	09.05.2024	08.05,2025







(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.

Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038.

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Ref: SVELC/GIL-M//24-10/05

Date: 05-11-2024

NAME AND ADDRESS

1

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, At-USAR, POST-MALYAN,

TAL-ALIBAG, DIST-RAIGAD, MAHARASHTRA-402203.

SAMPLE PARTICULARS

*

NOISE LEVELS

DATE & TIME OF START

26-10-2024

TEST REPORT

S.No	Source of Collection	Noise Levels me	asured in dB(A)
Marin Ma	O O O O O O O O O O O O O O O O O O O	Day	Night
1	Near Fire & Safety Cr	62,9	57.3
2	Near Substation	65.4	60.1
3	Near Laboratory Building (Old)	61.3	
4	Near Administrative Building	64.8	59.7
200000000000000000000000000000000000000	CPCB STANDARDS	75.0	70.0

Instrument Used	Make	Model	Calibrated on	Calibration Due
Digital Sound Level Meter	Lutron	SL-4001	29/04/2024	28/04/2025



Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012. Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038. © +91 9440338628, +91-7207664444 se svenviro_labs@yahoo.co.in, info@svenvirolabs.com se www.svenvirolabs.com Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



Ref: SVELC/GIL-M//24-10/07

Date: 05-11-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX. At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

STORM WATER

SOURCE OF COLLECTION

NEAR BSNL ROOM

DATE OF COLLECTION

26-10-2024

DATE OF RECEIPT

TEST REPORT

S. NO	PARAMETER	UNIT	RESULT	METHOD
1,	pH		7.15	APHA, 4500-H+B, 24th Ed 2023
2.	Total Dissolved Solids	mg/l	360	APHA 2540-C, 24th Ed 2023
3.	Total Suspended Solids	mg/l	14.0	APHA, 2540-D, 24 th Ed 2023
4.	Chemical Oxygen Demand -COD	mg/l	30.0	APHA 5220-B, 24 th Ed 2023
5.	Oil & Grease	mg/l	<1.0	APHA, 5520-D, 24th Edition, 2023



ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL



Ref: SVELC/GIL-M//24-11/01

Date: 06-12-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.
PETROCHEMICAL COMPLEX,
At- USAR, POST- MALYAN,
TAL-ALIBAG, DIST-RAIGAD,
MAHABASHTDA 197249

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR FIRE & SAFETY CR

DATE & TIME OF START

26-11-2024 @ 10:15 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	μg/m ³	56.9	IS 5182- P23	
	Particulate Matter – (PM _{2.5})	$\mu g/m^3$	20.5	IS 5182- P24	100
3	Sulphur Dioxide – (SO ₂)	ug/m ³	13.8	IS 5182- P2	60
4	Oxides of Nitrogen – (NO ₂)	ug/m³	12.3	IS 5182- P6	80
5	Lead as (Pb)	μg/m ³	BDL	IS:5182 -P0	8()
6	Ammonia as (NH ₃)	μg/m ³	<20		1.0
7	Arsenic as (As)	ng/m³	BDL	IS 5182-P25	400
8	Ozone as (O ₃)	μg/m³	11.2	APHA-302	06
9	Nickel as (Ni)	ng/m ³	BDL	IS:5182 P 9	100
10	Carbon Monoxide as (CO)	mg/m ³	0.25	IS 5182- P26	20
1 1			35 x hear 23	IS:5182- P 10	02
11 B	Benzene as (C ₆ H ₆)	μg/m ³	BDL	IS: 5182-P 11	05
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	(Annual)

Instrument	Make	Model/SLNumber	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/ 480-DTE-2024	09.05.2024	08.05.2025

CHECKED BY





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory: Enviro House, B-1, Block-B. IDA, Autonagar, Visakhapatnam-530012.

Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R. Nagar, Hyderabad-500038.

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Ref: SVELC/GIL-M//24-11/02

Date: 06-12-2024

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At-USAR, POST-MALYAN, TAL-ALIBAG, DIST-RAIGAD, MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR SUBSTATION

DATE & TIME OF START

26-11-2024 @ 11:00 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

		R RZ-LJ S.	INDIVINI		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter - (PM ₁₀)	ug/m ³	63.7	IS 5182- P23	
2	Particulate Matter – (PM _{2.5})	μg/m ³	25.2	IS 5182- P24	100
3	Sulphur Dioxide - (\$O ₂)	µg/m³	16.4	IS 5182- P2	60
4	Oxides of Nitrogen - (NO2)	µg/m³	17.9	IS 5182- P6	80
5	Lead as (Pb)	mg/m²	BDL	IS-5182-P0	80
6	Ammonia as (NH ₃)	μg/m³	<20		1.0
7	Arsenic as (As)	ng/m ³	BDL	IS 5182- P25	400
8	Ozone as (O ₃)	μg/m³	12.6	APHA-302 IS:5182 P 9	06
9	Nickei as (Ni)	ng/m ³	BDL	IS 5182- P26	100
10	Carbon Monoxide as (CO)	mg/m ³	0.30	IS:5182- P 10	20
* *	Benzene as (C ₆ H ₆)	µg/m³	BDL		02
12			DUL	IS: 5182-P 11	(Annual)
1 2 1	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Bavingtech	APM = 154/ 481-DTE-2024	09.05.2024	08.05.2025

CHECKED BY



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012. Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500038. © +91-9440338628, +91-7207664444 se svenviro labs@yahoo.co.in, info@svenvirolabs.com www.svenvirolabs.com Recognized by Govt. of India-MoEF & CC. New Delhi, Accredited by : NABL & NABET



Date: 06-12-2024

Ref: SVELC/GIL-M//24-11/03

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR LABORATORY BUILDING (OLD)

DATE & TIME OF START

26-11-2024 @ 11:45 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
No.	Particulate Matter – (PM ₁₀)	μg/m³	59.1	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	µg/m³	21.8	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	µg/m³	12.6	IS 5182-P2	80
4	Oxides of Nitrogen - (NO ₂)	μg/m ³	11.3	IS 5182- P6 ·	80
5	Lead as (Pb)	ug/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	ug/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m ³	BDL	APHA-302	06
8	Ozone as (O ₃)	µg/m ³	10.9	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m ³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.22	IS:5182- P 10	02
Aprend	Benzene as (C ₆ H ₆)	µg/m³	BDL	IS: 5182-P 11	05 (Annual
12	Benze (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due
PM10 / PM2.5 Sampler	Lata Envirotech	APM - 154/ 477-DTE-2024	09.05.2024	08.05.2025





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Date: 06-12-2024

Ref: SVELC/GIL-M//24-11/04

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX. At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

NOISE LEVELS

DATE & TIME OF START

26-11-2024

TEST REPORT

S.No	Source of Collection	Noise Levels me	asured in dB(A)
	77	Day	Night
£	Near Fire & Safety Cr	60.4	550
2	Near Substation		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
3	Near Laboratory Building (Old)		-L.5
***************************************		62.7	56.9
900000- Annagogoccos	CPCB STANDARDS	75.0	70.0

Instrument Used	Make	Model	Calibrated on	Calibration Due
Digital Sound Level Meter	Lutron	SL-4001	29/04/2024	28/04/2025

VIROLARS & CONSULTANTS



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLITICAL CONTROLL



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//24-12/01

Date: 06-01-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD, MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR ADMINISTRATIVE BUILDING

DATE & TIME OF START

27-12-2024 @ 10:35 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

		LESI	REPORT		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQ8
the second	Particulate Matter – (PM ₁₀)	µg/m³	56.9	IS 5182- P23	-
2	Particulate Matter – (PM _{2.5})	ug/m³	20.4	IS 5182- P23	100
3	Sulphur Dioxide – (SO ₂)	μg/m ³	13.6		60
4	Oxides of Nitrogen - (NO ₂)	μg/m ³	12.7	IS 5182- P2	80
5	Lead as (Pb)	ug/m ³	BDL.	IS 5182-P6	80
6	Ammonia as (NH ₃)	μg/m ³	The state of the s	IS:5182 -P22	1.0
7	Arsenic as (As)	ng/m ³	<20	IS 5182- P25	400
8	Ozone as (O ₃)	μg/m ³	BDL 10.9	CPCB Guidelines	06
9	Nickel as (Ni)	ng/m ³		IS:5182 P 9	100
10	Carbon Monoxide as (CO)	mg/m ³	BDL 0.20	IS 5182- P26	20
1 1		1612/111	0.20	IS:5182- P 10	02
gowod gowod	Benzene as (C ₆ H ₆)	μg/m³	13101	IS: 5182-P 11	05
12	Benzo (a) pyrene as (BaP)	.ag/m ³	BDL		(Annual)
	The second secon	1 439/331	DLJL	IS: 5182-P12	()1

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due
PM10 / PM2.5 Sample	Lata Envirotech	APM – 154/ 478-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist) VISAKHAPATNAM COZULA



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012.

Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkampet Road, S.R.Nagar, Hyderabad-500036.

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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt/1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//24-12/02

Date: 06-01-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.
PETROCHEMICAL COMPLEX.
At- USAR, POST- MALYAN,
TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR FIRE & SAFETY CR

DATE & TIME OF START

27-12-2024 @ 11:05 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

		ILO1	KEROKI		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	ug/m ³	59.3	IS 5182-P23	
2	Particulate Matter – (PM2.5)	ug/m ³	22.7		100
3	Sulphur Dioxide – (SO ₂)	ug/m³	Andrew Committee of the	IS 5182- P24	60
4	Oxides of Nitrogen - (NO ₂)		14.1	IS-5182- P2	80
5	Lead as (Pb)	ug/m ³	13.5	IS 5182- P6	80
6	Ammonia as (NH ₃)	µg/m³	BDL	IS:5182 -P22	1.0
·····	Arsenic as (As)	µg/m³	<20	IS 5182- P25	400
8		ng/m	BDL	CPCB Guidelines	06
9	Ozone as (O ₃)	µg/m³	10.9	IS:5182 P 9	100
10	Nickel as (Ni)	ng/m³	BDL	IS 5182- P26	20
1//	Carbon Monoxide as (CO)	mg/m ³	0.27	IS:5182- P 10	02
7 1	Benzene as (C ₆ H ₆)	μg/m ³	BDL	IS: 5182-P 11	05
12	Benzo (a) pyrene as (BaP)	ng/m³	DDT		(Annual)
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	116/111	BDL	IS: 5182-Pt2	01

Instrument	Vlake	Model/St.Number	Calibration on	Calibration Due Date	
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/	00.05.0007		
		480-DTE-2024	09.05.2024	08.05.2025	

Verified by K. Srinivas (Sr. Chemist)





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//24-12/03

Date: 06-01-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, AI- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR SUBSTATION

DATE & TIME OF START

27-12-2024 @ 11:40 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

***************************************		& #24.7 E	KETUKI		
S-No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	μg/m³	65.2	IS 5182- P23	100
2	Particulate Matter - (PM _{2.5})	μg/m ³	27.5	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	µg/m³	15.9	IS 5182- P2	80
4	Oxides of Nitrogen – (NO2)	µg/m³	16.3	IS 5182- P6	80
5	Lead as (Pb)	μg/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	ug/m ³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m³·	BDL	CPCB Guidelines	06
8	Ozone as (O ₃)	µg/m ³	118	IS:5182 P 9	100
9	Nickel as (Ni)	iig/m ³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.32	IS:5182- P 10	02
Property .	Benzene as (C ₆ H ₆)	µg/m³	BDL.	IS: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m ³	BDL	IS: 5182-P12	01

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Enviroteeh	APM - 154/ 481-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist) VISAKHAPATNAM E



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//24-12/04

Date: 06-01-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN,

TAL-ALIBAG, DIST-RAIGAD, MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR LABORATORY BUILDING (OLD)

DATE & TIME OF START

27-12-2024 @ 12:10 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

			REAL CARE		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	μg/m ³	57.9	IS-5182- P23	100
2	Particulate Matter – (PM _{2.5})	μg/m ³	19.6	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	µg/m³	13.2	IS 5182- P2	80
4	Oxides of Nitrogen – (NO ₂)	μg/m ³	10.9	IS 5182- P6	80
5	Lead as (Pb)	µg/m³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	ug/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m ³	BDL	CPCB Guidelines	06
8	Ozone as (O ₃)	μg/m³	11.4	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m ³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.20	IS:5182- P 10	02
11	Benzene as (C ₆ H ₆)	µg/m³	BDL	IS: 5182-P 11	05 (Annual
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Instrument Used	Make	Model/SI No	Calibrated	Calibration Due
PM10 / PM2.5 Sampler	Lata Envirotech	APM - 154/ 477-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)





Corporate Office & Laboratory: Enviro House, 8-1, Block-B, IDA, Autonager, Visakhapainam-530012. Hyderabad: Flat No. 302, H.No. 7-1-396/B/12, Sai Ram Residency, Balkempet Road, S.R.Nagar, Hyderabad-500038. ©+91-9440338628, +91-7207664444 ssvenviro_labs@yahoo.co.in, info@svenvirolabs.com www.svenvirolabs.com Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//24-12/05

Date: 06-01-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX. At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD. MAHARASHTRA-402203.

SAMPLE PARTICULARS

NOISE LEVELS

DATE & TIME OF START

27-12-2024

TEST REPORT

S.No Source of Collection	Noise Levels me	asured in dB(A)	
	Day	Night	
<u> </u>	Near Fire & Safety Cr	63.8	570
2	Near Substation	619	553
3	Near Laboratory Building (Old)	60.5	55.4
4	Near Administrative Building	65.0	33.* 52.7
***************************************	CPCB STANDARDS	75.6	70.7

Instrument Used	Make	Model	Calibrated on	Calibration Due
Digital Sound Level Meter	Lutron	SL-4001	29/04/2024	28/04/2025

VISAKHAPATNAM Authorized Signatory B/Ray/Prasad

" (Gab Incharge)



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL) Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012 Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad-500072



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-01/01

Date: 08-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX.

At-USAR, POST-MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR ADMINISTRATIVE BUILDING

DATE & TIME OF START

28-01-2025 @ 10:45 hr

DURATION OF SAMPLING

ATMOSPHERE CONDITION

Clear Sky

TECT DEBOTE

PARAMETER	UNIT			
	~~42.2	RESULT	METHOD	NAAOS
Particulate Matter – (PM ₁₀)	ug/m ³	59.8	IS SIRO DOS	
	The state of the s			100
Sulphur Dioxide – (SO ₂)	- Washington Company			60
	The second secon			80
Lead as (Pb)				80
				10
				400
				06
				100
				20
		V.4.D	15:D182-P10	02
Benzene as (C ₆ H ₆)	μg/m³	BDL	IS: 5182-P 11	05
Benzo (a) pyrene as (BaP)	ne/m³	RDI	IC. 6100 D10	(Annual 01
	Particulate Matter – (PM _{2.5}) Sulphur Dioxide – (SO ₂) Oxides of Nitrogen – (NO ₂)	Particulate Matter – (PM _{2.5}) µg/m ³ Sulphur Dioxide – (SO ₂) µg/m ³ Oxides of Nitrogen – (NO ₂) µg/m ³ Lead as (Pb) µg/m ³ Ammonia as (NH ₃) µg/m ³ Arsenic as (As) µg/m ³ Ozone as (O ₃) µg/m ³ Nickel as (Ni) ng/m ³ Carbon Monoxide as (CO) mg/m ³ Benzene as (C ₆ H ₆) µg/m ³	Particulate Matter – (PM _{2.5}) μg/m³ 22.6 Sulphur Dioxide – (SO ₂) μg/m³ 14.2 Oxides of Nitrogen – (NO ₂) μg/m³ 13.5 Lead as (Pb) μg/m³ BDL Ammonia as (NH ₃) μg/m³ <20	Particulate Matter – (PM _{2.5}) μg/m³ 22.6 IS 5182- P24 Sulphur Dioxide – (SO ₂) μg/m³ 14.2 IS 5182- P2 Oxides of Nitrogen – (NO ₂) μg/m³ 13.5 IS 5182- P6 Lead as (Pb) μg/m³ BDL IS:5182- P22 Ammonia as (NH ₃) μg/m³ <20

PM10 / PM2.5 Sample Lata Envirotech APM - 154/	Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due
7/0-016-2024	PM10 / PM2.5 Sample	Lata Envirotech	APM – 154/ 478-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)

Authorized Signatory B. Ravi Prasad

(Lab Incharge)



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012
Hyderabad Office: #402. SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad-500072

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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt/1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-01/02

Date: 08-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, At-USAR, POST-MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR FIRE & SAFETY CR

DATE & TIME OF START

28-01-2025 @ 11:10 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

	T	LLOIL	KEPUKI		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	ug/m ³	63.5	IS 5182- P23	-
2	Particulate Matter - (PM2.5)	ug/m ³	24.1	IS 5182- P24	100
3	Sulphur Dioxide – (SO ₂)	ug/m ³	15.2	IS 5182- P2	60
4	Oxides of Nitrogen - (NO ₂)	μg/m ³	14.4	IS 5182- P6	80
5	Lead as (Pb)	µg/m ³	BDL	IS:5182 -P22	80
6	Ammonia as (NH ₃)	μg/m ³	<20	IS 5182- P25	1.0
7	Arsenic as (As)	ng/m ³	BDL	CPCB Guidelines	400
8	Ozone as (O ₃)	µg/m ³	12.6	IS:5182 P 9	06
9	Nickel as (Ni)	ng/m ³	BDL	IS 5182- P26	100
10	Carbon Monoxide as (CO)	mg/m ³	0.32	IS:5182- P 10	20
11	Benzene as (C ₆ H ₆)	µg/m³	BDL	IS: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Instrument	Make	Model/SLNumber	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM – 154/ 480-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL) Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012 Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad-500072 13 +91-9440338628, +91-7207664444 🕿 svenviro_labs@yaltoo.co.in. info@svenvirolabs.com 😥 www.svenvirolabs.com Recognized by Govt. of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET



MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-MI/25-01/03

Date: 08-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX. At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR SUBSTATION

DATE & TIME OF START

28-01-2025 @ 11:55 hr

DURATION OF SAMPLING

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	μg/m³	68.9	IS 5182-P23	1()()
2	Particulate Matter - (PM _{2.5})	μg/m ³	29.5	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	$\mu g/m^3$	16.5	IS 5182- P2	80
4	Oxides of Nitrogen - (NO ₂)	µg/m³	17.8	IS 5182-P6	80
5	Lead as (Pb)	μg/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	μg/m³	<20	IS 5182- P25	400
ywy.	Arsenic as (As)	ng/m³	BDL	CPCB Guidelines	06
8	Ozone as (O ₃)	ug/m³	13.8	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	ing/m ³	0.25	IS:5182-P 10	02
greened.	Benzene as (C ₆ H ₆)	ng/m³	BDL	IS: 5182-P 11	05 (Annual)
1 "	Benzo (a) pyrene as (BaP)	ng/m³	BDL	IS: 5182-P12	01

Mark and the Control	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM 154/ 481-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad-590072
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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-01/04

Date: 08-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR LABORATORY BUILDING (OLD)

DATE & TIME OF START

28-01-2025 @ 12.20 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

***************************************			CALLE CALL		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	µg/m³	55.9	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	µg/m³	17.2	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	μg/m ³	12.5	IS 5182- P2	80
4	Oxides of Nitrogen - (NO ₂)	µg/m³	9.8	IS 5182- P6	80
5	Lead as (Pb)	ug/m ³	BDL	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	μg/m ³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m ³	BDL	CPCB Guidelines	06
8	Ozone as (O ₃)	μg/m ³	10.5	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m³	BDL	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.16	IS:5182-P 10	02
11	Benzene as (C ₆ H ₆)	µg/m³	BDL	IS: 5182-P 11	05 (Annual
12	Benzo (a) pyrene as (BaP)	ng/m ³	BDL	IS: 5182-P12	01

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due Date
PM10 / PM2.5 Sampler	Lata Envirotech	APM - 154/ 477-DTE-2024	09 05 2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist) MSAXHAPATHAN





MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt/1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-01/05

Date: 08-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHÈMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203

SAMPLE PARTICULARS

NOISE LEVELS

DATE & TIME OF START

28-01-2025

TEST REPORT

S.No	Source of Consection	Noise Levels me	asured in dB(A)
***************************************		Day .	Night
	Near Fire & Safety Cr	65.2	59.4
2	Near Substation	62.6	56.5
3	Near Laboratory Building (Old)	48 \$	***************************************
4	Near Administrative Building	63.3	53.8
	CPCB STANDARDS		1.9
(Antonia and Antonia and A		75.0	70.0

Instrument Used	Make	Model	Calibrated on	Calibration Due
Digital Sound Level Meter	Lutron	SL-4001	2940472034	28/04/2025





MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-02/01

Date: 14-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.
PETROCHEMICAL COMPLEX,
At- USAR, POST- MALYAN,
TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR ADMINISTRATIVE BUILDING

DATE & TIME OF START

06-02-2025 @ 10:30 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

	T	200 Man A. J. A. J.	IXIJA ORKA		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
- Constant	Particulate Matter – (PM ₁₀)	ug/m³	62.3	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	µg/m³	24.1	IS 5182-P24	60
3	Sulphur Dioxide – (SO ₂)	µg/m³	13.0	IS 5182- P2	30
4	Oxides of Nitrogen – (NO ₂)	μg/m ³	12.4	IS 5182-P6	80
5	Lead as (Pb)	μg/m ³	< 0.01	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	µg/m³	<20	IS 5182-P25	400
7	Arsenic as (As)	ng/m ³	<5.0	CPCB Guidelines	06
8	Ozone as (O ₃)	μg/m ³	10.0	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m³	< 5.0	IS 5182-P26	20
10	Carbon Monoxide as (CO)	mg/m³	0.18	IS:5182-P 10	02
promothy	Benzene as (C ₆ H ₆)	µg/m³	< 0.5	IS: 5182-P 11	05
12	Benze (a) pyrene as (BaP)	ng/m³	<0.5	IS: 5182-P12	(Annual)

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/ 478-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)





CENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpalily, Hyderabad-500072
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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt/1940

VALIDITY: 27-12-2027

Ref: SVELC/G1L-M//25-02/02

Date: 14-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, At-USAR, POST-MALYAN, TAL-ALIBAG, DIST-RAIGAD.

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR FIRE & SAFETY CR

DATE & TIME OF START

06-02-2025 @ 10:55 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Skv

TEST REPORT

		#. #. JL7 3	KEFUKI		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Maiter – (PM ₁₀)	μg/m ³	66.2	IS 5182- P23	100
2	Particulate Matter – (PM25)	µg/m³	26.0	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	ug/m ³	14.3	IS 5182- P2	80
4	Oxides of Nitrogen – (NO ₂)	µg/m³	13.6	IS 5182- P6	80
5	Lead as (Pb)	μg/m³	<0.01	IS:5182 -P22	
6	Ammonia as (NH ₃)	ug/m³	<20	IS 5182- P25	400
7	Arsenic as (As)	ng/m³	<50	CPCB Guidelines	06
8	Ozone as (O ₃)	ug/m ³	11.8	IS-5182 P 9	100
9	Nickel as (Ni)	ng/m³	<5.0	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.28	IS 5182- P 10	02
general, particular of the second of the sec	Benzene as (C ₆ H ₆)	µg/m³	<0.5	IS: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m ³	< 0.5	IS: 5182-P12	OI

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/ 480-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-02/03

Date: 14-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED.

PETROCHEMICAL COMPLEX, At-USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR SUBSTATION

DATE & TIME OF START

06-02-2025 @ 11:40 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

		A RULD A 3	KEPUKI		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
1	Particulate Matter – (PM ₁₀)	µg/m³	66.4	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	μg/m ³	24.9	IS 5182-P24	60
3	Sulphur Dioxide – (SO ₂)	µg/m³	13.7	IS 5182- P2	80
4	Oxides of Nitrogen - (NO2)	ug/m³	11.4	IS 5182- P6	80
5	Lead as (Pb)	μg/m³	<0.01	IS:5182 -P22	<u> </u>
6	Ammonia as (NH ₃)	μg/m³	<20	IS 5182- P25	1.0
7	Arsenic as (As)	ng/m ³	<5.0	CPCB Guidelines	400 06
8	Ozone as (O ₃)	μg/m ³	10.5	IS:5182 P 9	100
9	Nickel as (Ni)	ng/m ³	<5.0	IS 5182- P26	20
10	Carbon Monoxide as (CO)	mg/m ³	0.21	IS:5182-P10	02
11	Benzene as (C ₆ H ₆)	µg/m³	<0.5	IS: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m³	< 0.5	IS: 5182-P12	01

Instrument	Make	Model/SI.Number	Calibration on	Calibration Due Date
PM10 / PM2.5 Sample	Lata Envirotech	APM - 154/ 481-DTE-2024	09.05.2024	08.05.2025

Verified by K. Srinivas (Sr. Chemist)





(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012
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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-02/04

Date: 14-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR, POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

AMBIENT AIR QUALITY

SOURCE OF COLLECTION

NEAR LABORATORY BUILDING (OLD)

DATE & TIME OF START

06-02-2025 @ 12:05 hr

DURATION OF SAMPLING

24 hours

ATMOSPHERE CONDITION

Clear Sky

TEST REPORT

		- M. Bert N. J. M. 3	1 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /		
S.No	PARAMETER	UNIT	RESULT	METHOD	NAAQS
Ĩ.	Particulate Matter – (PM ₁₀)	µg/m³	58.6	IS 5182- P23	100
2	Particulate Matter – (PM _{2.5})	µg/m³	19.1	IS 5182- P24	60
3	Sulphur Dioxide – (SO ₂)	μg/m³	13.8	IS 5182- P2	80
4	Oxides of Nitrogen - (NO ₂)	ug/m³	10.6	IS 5182-P6	80
5	Lead as (Pb)	ug/m ³	< 0.01	IS:5182 -P22	1.0
6	Ammonia as (NH ₃)	μg/m ³	<20	IS 5182- P25	
7	Arsenic as (As)	ug/m ³	<5.0	CPCB Guidelines	400
8	Ozone as (O ₃)	μg/m³	9.6	IS:5182 P 9	06
9	Nickel as (Ni)	ng/m³	<5.0	IS 5182- P26	100
10	Carbon Monoxide as (CO)	mg/m ³	0.17	IS:5182- P 10	20 02
4/4	Benzene as (C ₆ H ₆)	µg/m²	<0.5	IS: 5182-P 11	05 (Annual)
12	Benzo (a) pyrene as (BaP)	ng/m³	< 0.5	IS: 5182-P12	01

Instrument Used	Make	Model/SI No	Calibrated on	Calibration Due
PM10 / PM2.5 Sampler	Lata Envirotech	APM – 154/ 477-DTE-2024	09.05.2024	08 05.2025

Verified by K. Srinivas (Sr. Chemist)



(ENVIRONMENTAL ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)
Corporate Office & Laboratory: Enviro House, B-1, Block-B, IDA Autonagar, Visakhapatnam-530012
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MOEF F. No: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt/1940

VALIDITY: 27-12-2027

Ref: SVELC/GIL-M//25-02/05

Date: 14-02-2025

NAME AND ADDRESS

M/s. GAIL (INDIA) LIMITED. PETROCHEMICAL COMPLEX, At- USAR. POST- MALYAN, TAL-ALIBAG, DIST-RAIGAD,

MAHARASHTRA-402203.

SAMPLE PARTICULARS

NOISE LEVELS

DATE & TIME OF START

06-02-2025

TEST REPORT

S.No	Source of Collection	Noise Levels measured in dB(A)		
		Day	Night	
······	Near Fire & Safety Cr	68.7	610	
************	Near Substation	64.9	57.8	
3	Near Laboratory Building (Old)	50.4		
4	Near Administrative Building	65.1	52.9	
	CPCB STANDARDS		58.4	
~~~	UTOBSIANDAKOS	75.0	70.0	

Instrument Used	Make	Model	Calibrated on	Calibration Due
Digital Sound Level Meter	Lutron	SL-4001	29/04/2024	28/04/2025