

Deepak Rajput

From: Environment Team
Sent: 05 June 2026 09:11
To: Environment Wing IRO Chandigarh
Cc: narendersharm.cpcb@gov.in; ronz.chd-mef@nic.in; seezobti@gmail.com; RO Bathinda; CoOrdinator Chd
Subject: Sixth Monthly EC Compliance Report of GGSPAP from Oct'25 to Mar'26
Attachments: PAP_GGSR_Sixth monthly EC compliance report_Oct'25-Mar'26.pdf

To,

The Director,

Minister of Environment Forests & Climate Change,
Northern Regional Office,
Bays No. 24-25, Sector 31-A,
Dakshin Marg,
Chandigarh-160030

Subject: Sixth monthly EC Compliance report (from Oct'25 to Mar'26) for Polymer Addition Project at Guru Gobind Singh Refinery Complex in District Bathinda (Punjab) by HPCL – Mittal Energy Ltd (HMEL).

**Ref. No.: Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 12 Dec 2017
Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 07 Dec 2021**

Dear Sir,

Please find enclosed sixth monthly EC compliance report for the period Oct'25 to Mar'26, of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex (along with Annexures) on the environmental conditions stipulated by MoEF&CC.

Thanks and Regards



O/C



Date: 04th June 2026
Ref: HMEL-OE-40-ENV 1348

To,
The Director,
Minister of Environment Forests & Climate Change,
Northern Regional Office,
Bays No. 24-25, Sector 31-A,
Dakshin Marg,
Chandigarh-160030

Subject: Environment Compliance report of Polymer Addition Project at Guru Gobind Singh Refinery Complex in District Bathinda (Punjab) by HPCL – Mittal Energy Ltd (HMEL).

Your Ref. No.: Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 12 Dec 2017
Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 07 Dec 2021

Dear Sir,

Please find enclosed compliance report for the period Oct'25 to Mar'26, for the conditions stipulated in Environment Clearance of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex.

Best Regards,

P
at
@
17.6.26

Jatinder Kumar
(Manager-Env.)

Cc: Regional Director, Central Pollution Control Board, First Floor, PIC-UP Building, Vibuti Khand, Gomtinagar, Lucknow, UP, Pin Code-226010 (India).

Cc: Punjab Pollution Control Board, Zonal Office, Street No. 12, Power House Road, Bathinda, Punjab.

Cc: Punjab Pollution Control Board, Regional Office, Bathinda.

Enclosure: Environment Compliance report (Oct'25 to Mar'26) of Polymer Addition Project at Guru Gobind Singh Refinery.

Annexure I: Copy of Air CTO and Water CTO (Consent to operate)

Annexure II: Month wise data of ambient air quality

Annexure III: Activities undertaken for social upliftment in the nearby villages

Annexure IV: Eco-development measures including community welfare measures in the project area.

Annexure V: Acknowledgement copy of last Six-monthly EC compliance report submitted to MoEF&CC, Regional office, Chandigarh. For the period of Apr'25 to Sep'25.

HPCL-Mittal Energy Limited

**ENVIRONMENT CLEARANCE COMPLIANCE AND MONITORING
REPORTS**

**Six Monthly EC Compliance Report
(Oct'25 to Mar'26)**

**Guru Gobind Singh Polymer Addition Project (GGSPAP)
(HPCL-Mittal Energy Limited)
Bathinda, (Punjab), India**

ENCLOSURE

Six Monthly EC Compliance Report for Polymer Addition Project at Guru Gobind Singh Refinery Complex in Bathinda (Punjab) by HPCL-Mittal Energy Limited (HMEL).

Environmental Clearance F. No. J-11011/266/2017-IA-II(I) dated 12th December 2017.

11) Term & conditions as per EC

EC Condition no.	EC Conditions	Status
(i)	In view of the base line air quality data for PM ₁₀ & PM _{2.5} already exceeding the prescribed standards, one more season data to be collected to confirm the consistency of readings/values, and submitted to Ministry/EAC within six-month period positively, along with mitigating measures.	Complied. The air quality data for PM ₁₀ and PM _{2.5} was submitted to Mo&EFCC along with mitigation measures vide letter no.: 9112-000-GGSPAP-009-2018-043 on 11 th June 2018.
(ii)	During process/detailed engineering, all emission sources shall be equipped with the latest devices to ensure emissions/values in the present readings/values.	Complied. To ensure emissions under control height of stack is kept 70m, reduced SOx emission from GGSPAP by integrating amine system with refinery and recovering as Sulfur in existing SRU's and Low NOx burners are being used in DFCU.
(iii)	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied. The Consent to Operate for the project has been obtained from Punjab Pollution Control Board (PPCB). CTO (Air) valid till: 02.08.2026 CTO (Water) valid till: 31.12.2026 A copy of the above CTOs attached as Annexure-I.
(iv)	As already committed by the project proponent, Zero Liquid Discharge shall be adopted.	Complied. GGSPAP has been designed with the philosophy of Zero Liquid Discharge. The treated effluent that is being recycled / reused in cooling tower make up etc.
(v)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016. Solid waste Management Rules,	Complied. The necessary authorization required under the Hazardous and Other Waste (Management and Trans-Boundary Movement) Rules, 2016

	2016 shall be obtained and the provisions contained in the rules shall be strictly adhered to.	has already been obtained from PPCB. The solid waste generated is being disposed of as per the Solid Waste Management Rules, 2016.
(vi)	Environment standards for Petroleum Oil Refinery dated 18 th March 2008 and Environment Standards for Petrochemical (Basic and intermediates) dated on 9 th November, 2012, and its amendments from time to time shall be followed.	Complied. As the proposed project covered under this EC, consists of petrochemical units, the environmental standards for Petrochemicals (Basic and intermediates) dated on 9 th November 2012 have been followed. The existing Refinery project is ensuring that environmental standards dated 18 th March 2008, prescribed for Petroleum Oil Refinery are being followed.
(vii)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Multi-cyclone followed by bag filter shall be provided to the DCU coke based CFBC boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied. To control source and the fugitive emissions, suitable pollution control device e.g. Benzene Vapor recovery unit has been installed. No CFBC in GGSPAP.
(viii)	The total freshwater requirements shall not be exceeded 3500 m3/hr from Kotla Canal. Necessary permission in this regard shall be obtained from concerned regulatory authority. No ground water shall be used without prior permission from the CGWA.	Complied. The total fresh water requirements are well within the stipulated limits.
(ix)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied. The pipelines are being laid for carrying the process effluent for treatment in ETP. A separate storm water network has been designed to drain storm water in existing storm water pond. The design planning for the project is such that process effluents will not mix with storm water.
(x)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arrestors shall be provided on tank farm, and solvent transfer to be done through pumps.	This condition is being complied with.
(xi)	Process organic residue and spent carbon shall be sent to cement industries. E.T.P sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	This condition is being complied with. There is no boiler in the GGSPAP.

(xii)	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 Vehicle Act (M.V.A) 1989.	This condition is being complied with.
(xiii)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	No CFBC coming in the project.
(xiv)	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 d) Use of Close Feed system into batch reactors e) Venting equipment through vapour recovery system f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Complied. Waste minimization measures as prescribed by MoEF&CC has been Incorporated in the design engineering of the project.
(xv)	The green belt at least 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 along roadside etc. As many as 25000 trees to be planted per year during first five years. Selection of plant species shall be as per the CPCB guidelines in consultation with state Forest Department.	Complied. Green belt has been developed as per the latest amended EC obtained from MoEF&CC dated 07 th December 2021.
(xvi)	At least 2.5% of the total project cost shall be allocated for enterprise social commitment. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Implementation under finalization
(xvii)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied.
(xviii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Complied. Firefighting system in manufacturing process and material handling areas are installed as per OISD-116 standards.

(xix)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Being complied. Online SOx, NOx, CO and PM analyzers have been installed and the online data is being transmitted to CPCB and PPCB servers. Similarly, online continuous effluent quality monitoring systems and flow meters have been installed at the ETP and the online data for the same is being transmitted to the CPCB and PPCB.
(xx)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied Occupation health surveillance is done once in six months for workers working in operational areas and yearly for workers working in non-operational area.

11.1) Generic conditions as per EC

EC Condition no.	Generic Conditions	Status
(i)	The project authorities must strictly adhere to the stipulations made by the State Government, Central Pollution Control Board, State Pollution Control Board and any other statutory authority	Complied.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 conditions imposed and to add additional environmental protection measures required, if any.	Complied.
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured the at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. There are 5 no's of ambient air quality monitoring stations for GGSR and GGSPAP complex. These stations have been installed in consultation with the PPCB (Punjab Pollution Control Board). Month wise data of ambient air quality is attached as Annexure II .

(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No 826(E) dated 16 th November, 2009 shall be followed.	Complied.
(v)	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, silences, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act, 1986 rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time)	Complied. Noise control measures such as acoustic hoods, silencers, enclosures etc. are implemented to ensure that the ambient noise level conforms to the standards prescribed under EPA, 1986 Rules, 1989.
(vi)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied. The rainwater harvesting system is designed in the petrochemical complex in which rainwater will be harvested from the rooftops of the buildings that will be meant for ground water recharge and storm water drain that will be collected in existing storm water pond for utilization in firefighting and horticulture. A total of 9 CRWS pit constructed strategically in Petchem for rainwater collection.
(vii)	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied. Each employee is imparted safety training before issuing gate pass and refresher training is done after 6 months. Health checks are done six months for employees working in operation area and yearly for workers working in nonoperational area.
(viii)	The company shall also comply with all the environment protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Complied. Environment protection measures and safeguards proposed in the documents submitted to the Ministry have been implemented. Report no. B018-1742-EI-1701 August 2017. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project have been Implemented.
(ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	Complied. Various measures taken for social upliftment in the nearby villages, till date by the project proponent are enclosed in Annexure III.

(x)	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Complied. Various eco-development measures including community welfare measures in the project area for the overall improvement of the environment are enclosed in Annexure IV .
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement 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.	Complied. The company has earmarked sufficient funds towards capital cost and recurring cost per annum to implement conditions stipulated by the MoEF&CC as well as PPCB and the funds earmarked will not be diverted for any other purpose.
(xii)	A copy of clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Prishad / Municipal Corporation, Urban local Body and the local NGO, If any, from whom suggestions / representations if any, were received while processing the proposal.	Complied. The company has not received any suggestions/representations while processing the proposal.
(xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environment 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 Environment Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied. Last six-monthly EC compliance report (Apr'25 to Sep'25) was submitted vide letter no. HMEL-OE-40-ENV 1298 on dated 05 th December 2025 and compliance reports for the same has been uploaded on the website of HMEL with following link. <u>HMEL - Disclosures and Reports</u> Annexure V
(xiv)	The environment statement for each financial year ending 31 st 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 send to the respective Regional Offices of MoEF &CC by e-mail.	Complied. Environment statement for FY 2024-25 has been submitted to state pollution control board vide letter no. HMEL-OE-40-ENV 1278 dated 29th September 2025. Environment statement along with the status of compliance of environmental clearance conditions has been uploaded on the website of HMEL with following link. <u>https://www.hmel.in/wp-content/uploads/2025/10/Environmental-Statement-Form-V_2024-25_HMEL.pdf</u>
(xv)	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	Complied The copy of the advertisement publishing the accordance of Environmental Clearance by

	available with the SPCB/committee and may also be seen at Website of the Ministry at http://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 other concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	MoEF&CC in the two local widely circulated newspaper namely Tribune Bathinda (English) and Ajit (Punjabi) were done on 15 th Dec 2017.
(xvi)	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.	Date of start of the project: April 2017 Date of financial closure: May 2017 Date of final approval: April 2017

Six monthly EC Compliance Report for amended Environmental Clearance F. No. J-11011/266/2017-IA-II(I), dated 7th December 2021.

Conditions as per EC:

EC Condition no.	EC Conditions	Status
1	The green belt shall be developed on 477 acres, out of which 315 acres' green belt shall be developed on the land adjacent and inside the refinery. The remaining green belt of about 163 acres shall be developed on land identified through District Forest Department in Bathinda, Punjab. Selection of plant species shall be as per the CPCB guidelines in consultation with the state forest department.	Complied. Green belt has been developed as per the EC condition.

ANNEXURE-I



PUNJAB POLLUTION CONTROL BOARD
Zonal Office, Bathinda at Firozpur Road, Near Grain Market, Faridkot.
Website:- www.ppcb.gov.in



Office Dispatch No :
OCMMS/CTO(Air)/2026/000912

Registered/Speed Post

Date:

Industry Registration ID: R12BTI44706

Application No : 28057490

To,

Sanket Thapar
Hpcl-mittal Energy Limited, guru Gobind Singh Refinery Project, village Phullokari, taluka Talwandi Saboo,
District Bathinda.
Bathinda, Bathinda-151301

Subject: Extension in the validity of consent to operate u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	CTOA/Renewal/BTI/2026/28057490
Date of issue :	03/02/2026
Date of expiry :	02/08/2026
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/BTI/2025/28045566 From: 21/03/2025 To: 30/09/2025

2. Particulars of the Industry

Name & Designation of the Applicant	Sanket Thapar, (Deputy General Manager)
Address of Industrial premises	Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo,, Talwandi Sabo, Bathinda-151301
Capital Investment of the Industry	4245260.0 lakhs
Category of Industry	Red
Type of Industry	Oil Refinery
Scale of the Industry	Large
Office District	Bathinda

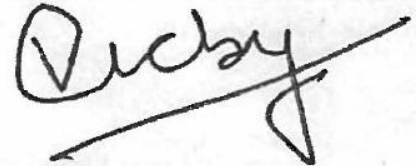
"This is computer generated document from OCMMS by PPCB"

Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo,, Talwandi Sabo, Bathinda, 151301

Page 1

In continuation to the previous 'consent to operate' granted to the industry under the provisions of Air Act, 1981 vide no. CTOA/Renewal/BTI/2025/28045566 dated 21.03.2025 valid upto 30.09.2025, the consent to operate under the said Act, is hereby further extended upto 02.08.2026, subject to the same conditions as mentioned in the original consent along-with additional condition that that the industry shall comply with the decisions of personal hearing held before Chairperson of the Board on 21.01.2026, within stipulated time period.

This letter be remain appended with the consent to operate granted to the industry under the Air Act, 1981 vide no. CTOA/Renewal/BTI/2025/28045566 dated 21.03.2025 valid upto 30.09.2025.



03/02/2026

**(Vicky Bansal)
Environmental Engineer**

For & on behalf

of

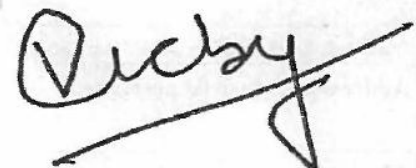
(Punjab Pollution Control Board)

PUNJAB

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
Environmental Engineer, Punjab Pollution Control Board, Regional Office, Bathinda.



03/02/2026

**(Vicky Bansal)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"

Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phulokari, taluka Talwandi Saboo, Talwandi Sabo, Bathinda, 151301

Page2



PUNJAB POLLUTION CONTROL BOARD
Zonal Office, Bathinda at Firozpur Road, Near Grain Market, Faridkot.
Website:- www.ppcb.gov.in



Office Dispatch No :
OCMMS/CTO(Water)/2026/000753

Registered/Speed Post

Date:

Industry Registration ID:

R12BTI44706

Application No :

28052089

To,

Sanket Thapar
Hpcl-mittal Energy Limited, guru Gobind Singh Refinery Project, village Phullokari, taluka Talwandi Saboo,
District Bathinda.
Bathinda, Bathinda-151301

Subject: Extension in the validity of consent to operate an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	CTOW/Renewal/BTI/2026/28052089
Date of issue :	29/01/2026
Date of expiry :	31/12/2026
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/BTI/2025/28052066 From: 21/03/2025 To: 30/09/2025

2. Particulars of the Industry

Name & Designation of the Applicant	Sanket Thapar, (Deputy General Manager)
Address of Industrial premises	Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo,, Talwandi Sabo, Bathinda-151301
Capital Investment of the Industry	4245260.0 lakhs
Category of Industry	Red
Type of Industry	Oil Refinery
Scale of the Industry	Large
Office District	Bathinda

"This is computer generated document from OCMMS by PPCB"

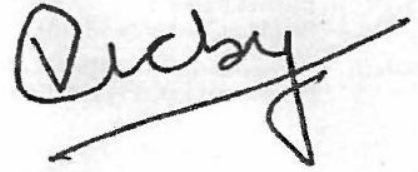
Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo,, Talwandi Sabo, Bathinda, 151301

Page 1

In continuation to the previous 'consent to operate' granted to the industry under the provisions of Water Act, 1974 vide no. CTOW/Renewal/BTI/2025/28052066 dt. 21.03.2025, which is valid upto 30.09.2025, the consent to operate under the said Act is hereby further extended upto 31.12.2026, subject to the same conditions as mentioned in the original consent along-with the following specific conditions that:-

1. The industry shall operate the pollution control devices regularly & efficiently so as to achieve the prescribed standards.
2. The industry shall develop the plantation area as per Karnal technology and ensure uniform distribution of treated effluent in the plantation area by providing permanent pipe network.
3. The industry shall ensure that there is no contamination of process areas like sulphur manufacturing unit, pet coke manufacturing unit etc. in the open storm water channel.
4. The industry shall ensure that there is no pollution / nuisance in the vicinity due to the operation of unit.
5. The industry shall ensure that there is no ground water contamination / environment damage with the operation of unit.

This letter be remain appended with the consent to operate granted to the industry under the Water Act, 1974 vide no. CTOW/Renewal/BTI/2025/28052066 dt. 21.03.2025.



29/01/2026

**(Vicky Bansal)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

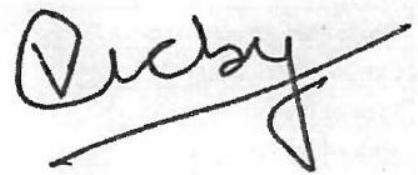
PUNJAB

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

Environmental Engineer, Punjab Pollution Control Board, Regional Office, Bathinda.



29/01/2026

**(Vicky Bansal)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"

Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo, Talwandi Sabo, Bathinda, 151301

Page2

ANNEXURE-II

Monthly Average AAQMS Data of GGSR for Oct'2025 to Mar'2026							
Parameter		SO ₂	NO ₂	PM ₁₀	PM _{2.5}	BENZENE	Ethyl BENZENE
Station No.	Month	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
AAQMS 1	Oct-25	6.21	21.40	173.42	77.81	3.19	0.90
AAQMS 2		6.54	23.15	127.77	90.03	2.98	2.96
AAQMS 3		17.20	29.77	146.93	51.89	1.58	2.92
AAQMS 4		9.16	21.16	180.84	88.52	3.16	1.52
AAQMS 5		7.29	21.59	131.90	75.37	1.52	2.51
Min		6.21	21.16	127.77	51.89	1.52	0.90
Max		17.20	29.77	180.84	90.03	3.19	2.96
Avg		9.28	23.42	152.17	76.72	2.48	2.16
CPCB limit		80	80	100	60	5	
AAQMS 1	Nov-25	8.15	21.14	216.90	105.15	3.34	1.25
AAQMS 2		9.43	22.33	182.54	103.49	3.25	2.00
AAQMS 3		8.05	26.99	160.62	85.16	1.71	2.23
AAQMS 4		10.51	21.81	214.94	111.18	3.55	2.14
AAQMS 5		9.32	24.07	184.32	119.80	2.18	2.75
Min		8.05	21.14	160.62	85.16	1.71	1.25
Max		10.51	26.99	216.90	119.80	3.55	2.75
Avg		9.09	23.27	191.87	104.96	2.80	2.08
CPCB limit		80	80	100	60	5	
AAQMS 1	Dec-25	10.06	25.66	166.17	72.76	3.11	1.67
AAQMS 2		10.05	23.58	121.66	58.18	2.73	1.84
AAQMS 3		12.87	29.47	95.62	37.77	2.78	2.59
AAQMS 4		11.13	22.56	151.91	68.95	2.99	3.35
AAQMS 5		11.60	24.79	113.83	68.41	2.80	3.81
Min		10.05	22.56	95.62	37.77	2.73	1.67
Max		12.87	29.47	166.17	72.76	3.11	3.81
Avg		11.14	25.21	129.84	61.21	2.88	2.65
CPCB limit		80	80	100	60	5	
AAQMS 1	Jan-26	7.55	21.48	137.53	69.67	3.20	3.21
AAQMS 2		14.06	19.66	101.58	43.13	2.62	2.93
AAQMS 3		11.62	22.65	79.13	41.24	1.59	2.15
AAQMS 4		10.53	18.31	105.76	40.01	2.44	3.36
AAQMS 5		13.30	24.93	118.25	52.12	1.57	3.42
Min		7.55	18.31	79.13	40.01	1.57	2.15
Max		14.06	24.93	137.53	69.67	3.20	3.42
Avg		11.41	21.41	108.45	49.24	2.28	3.01
CPCB limit		80	80	100	60	5	
AAQMS 1	Feb-26	7.22	22.95	119.02	48.48	2.20	1.99
AAQMS 2		7.71	19.38	85.90	37.97	2.30	1.60
AAQMS 3		12.09	18.16	84.93	42.11	2.57	1.48
AAQMS 4		9.55	19.23	105.62	39.05	2.74	2.08
AAQMS 5		8.27	25.05	111.02	46.01	2.71	1.59
Min		7.22	18.16	84.93	37.97	2.20	1.48
Max		12.09	25.05	119.02	48.48	2.74	2.08
Avg		8.97	20.95	101.30	42.73	2.51	1.75
CPCB limit		80	80	100	60	5	
AAQMS 1	Mar-26	8.42	19.90	93.75	34.38	2.68	0.85
AAQMS 2		9.44	20.97	75.83	29.96	2.50	1.14
AAQMS 3		12.73	18.13	74.25	21.74	1.50	1.01
AAQMS 4		9.56	19.35	92.03	36.82	2.80	2.20
AAQMS 5		8.23	25.00	97.89	45.43	1.99	1.75
Min		8.23	18.13	74.25	21.74	1.50	0.85
Max		12.73	25.00	97.89	45.43	2.80	2.20
Avg		9.68	20.67	86.75	33.67	2.29	1.39
CPCB limit		80	80	100	60	5	

NOTE :

Particulate Matter (PM₁₀) is already higher in ambient air quality baseline data even before the start of the refinery operation. Its value
Particulate Matter (PM_{2.5}) is already higher in ambient air quality baseline data even before the start of the refinery operation. Its value



TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-01	07/04/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/03/2026 To 26/03/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C) : 34
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP ⁿ), ng/m ³	Lead (as Pb), µg/m ³
02/03/2026	09:30	1.12	1.568	BDL	BDL	BDL
05/03/2026	09:00	1.10	1.324	BDL	BDL	BDL
09/03/2026	10:00	1.09	1.631	BDL	BDL	BDL
12/03/2026	09:45	1.13	1.395	BDL	BDL	BDL
16/03/2026	10:15	1.10	1.423	BDL	BDL	BDL
19/03/2026	10:00	1.12	1.502	BDL	BDL	BDL
23/03/2026	09:00	1.11	1.416	BDL	BDL	BDL
26/03/2026	10:35	1.12	1.382	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-I:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

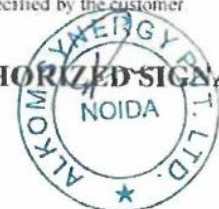
Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-02	07/04/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 02/03/2026 To 26/03/2026
Sample Description	: Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C)	: 34
Average Flow Rate of SPM (m ³ /min.)	: 1.11
Weather Condition	: Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
02/03/2026	09:45	1.09	1.397	BDL	BDL	BDL
05/03/2026	09:20	1.13	1.281	BDL	BDL	BDL
09/03/2026	10:15	1.10	1.426	BDL	BDL	BDL
12/03/2026	10:00	1.09	1.372	BDL	BDL	BDL
16/03/2026	10:35	1.11	1.315	BDL	BDL	BDL
19/03/2026	10:15	1.10	1.537	BDL	BDL	BDL
23/03/2026	09:20	1.12	1.418	BDL	BDL	BDL
26/03/2026	11:00	1.11	1.582	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

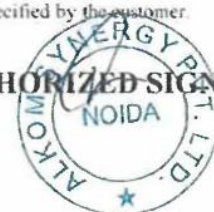
Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-03	07/04/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/03/2026 To 26/03/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C) : 34
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP ⁿ), ng/m ³	Lead (as Pb), µg/m ³
02/03/2026	10:00	1.13	1.356	BDL	BDL	BDL
05/03/2026	09:35	1.11	1.585	BDL	BDL	BDL
09/03/2026	10:35	1.10	1.709	BDL	BDL	BDL
12/03/2026	10:20	1.09	1.643	BDL	BDL	BDL
16/03/2026	11:00	1.12	1.470	BDL	BDL	BDL
19/03/2026	10:35	1.10	1.619	BDL	BDL	BDL
23/03/2026	09:35	1.11	1.385	BDL	BDL	BDL
26/03/2026	11:20	1.12	1.518	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-I:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

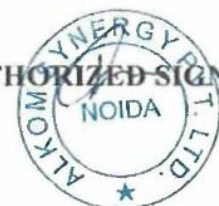
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-04	07/04/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo, District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 02/03/2026 To 26/03/2026
Sample Description	: Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C)	: 34
Average Flow Rate of SPM (m³/min.)	: 1.11
Weather Condition	: Normal

Date of Sampling	Time	AFR of RDS (m3/min)	Parameter			
			Nickel (as Ni), ng/m³	Arsenic (as As), ng/m³	Benzo(a)pyrene (as BAP), ng/m³	Lead (as Pb), µg/m³
02/03/2026	10:20	1.11	1.432	BDL	BDL	BDL
05/03/2026	0950	1.09	1.679	BDL	BDL	BDL
09/03/2026	11:00	1.10	1.516	BDL	BDL	BDL
12/03/2026	10:40	1.12	1.403	BDL	BDL	BDL
16/03/2026	11:20	1.11	1.427	BDL	BDL	BDL
19/03/2026	11:00	1.12	1.392	BDL	BDL	BDL
23/03/2026	09:50	1.13	1.280	BDL	BDL	BDL
26/03/2026	11:40	1.10	1.503	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

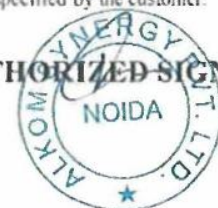
Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-05	07/04/2026

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/03/2026 To 26/03/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C) : 34
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m3/min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP ¹), ng/m ³	Lead (as Pb), µg/m ³
02/03/2026	10:40	1.13	1.228	BDL	BDL	BDL
05/03/2026	10:20	1.11	1.386	BDL	BDL	BDL
09/03/2026	11:20	1.12	1.419	BDL	BDL	BDL
12/03/2026	11:00	1.10	1.534	BDL	BDL	BDL
16/03/2026	11:40	1.12	1.451	BDL	BDL	BDL
19/03/2026	11:20	1.11	1.308	BDL	BDL	BDL
23/03/2026	10:20	1.13	1.422	BDL	BDL	BDL
26/03/2026	12:00	1.11	1.394	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-06	07/04/2026

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
 Date of Sampling : 02/03/2026 To 26/03/2026
 Sample Description : Ambient Air Quality Monitoring Station (AAQMS-6)
 Sampling Plan & Procedure : SOP-AAQ-08
 Analysis Duration : 08/03/2026 To 07/04/2026
 Ambient Average Temperature (°C) : 34
 Average Flow Rate of SPM (m³/min.) : 1.12
 Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
02/03/2026	11:00	1.12	1.436	BDL	BDL	BDL	52.8	93.5	7.9	18.1	0.619
05/03/2026	10:50	1.11	1.391	BDL	BDL	BDL	47.6	89.1	6.4	15.7	0.376
09/03/2026	11:40	1.10	1.289	BDL	BDL	BDL	51.9	92.7	8.2	17.3	0.542
12/03/2026	11:20	1.12	1.467	BDL	BDL	BDL	54.1	96.9	11.8	14.7	0.728
16/03/2026	12:00	1.13	1.512	BDL	BDL	BDL	50.4	91.7	7.3	17.5	0.587
19/03/2026	11:40	1.11	1.486	BDL	BDL	BDL	56.1	97.3	12.0	16.1	0.693
23/03/2026	10:50	1.12	1.538	BDL	BDL	BDL	52.5	94.1	10.5	17.0	0.556
26/03/2026	12:20	1.11	1.423	BDL	BDL	BDL	49.8	91.6	8.3	16.2	0.507
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -I:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-07	07/04/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/03/2026 To 26/03/2026
Sample Description : Flat No. 101 To 108 on Terrace (Township)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C) : 34
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR for RDS (m ³ /m)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
02/03/2026	15:00	1.13	BDL	BDL	BDL	BDL	52.6	94.8	11.5	16.8	0.603
05/03/2026	16:30	1.10	BDL	BDL	BDL	BDL	48.2	90.5	6.8	18.2	0.528
09/03/2026	15:30	1.11	BDL	BDL	BDL	BDL	50.9	91.7	6.0	15.5	0.491
12/03/2026	16:25	1.12	BDL	BDL	BDL	BDL	54.1	96.4	10.3	14.8	0.703
16/03/2026	16:10	1.10	BDL	BDL	BDL	BDL	49.3	91.8	7.5	16.2	0.618
19/03/2026	16:00	1.11	BDL	BDL	BDL	BDL	53.7	95.3	9.1	13.6	0.506
23/03/2026	15:40	1.12	BDL	BDL	BDL	BDL	51.5	93.4	8.6	16.4	0.612
26/03/2026	16:20	1.13	BDL	BDL	BDL	BDL	50.8	91.6	8.0	14.9	0.467
National Ambient Air Quality Monitoring Standards 2009			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070426-08	07/04/2026

Issued To:- M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 02/03/2026 To 26/03/2026
Sample Description	: Club House on Terrace (Township)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 08/03/2026 To 07/04/2026
Ambient Average Temperature (°C)	: 34
Average Flow Rate of SPM (m ³ /min.)	: 1.13
Weather Condition	: Normal

Date of Sampling	Time	AFR for RDS (m ³ /m)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
02/03/2026	15:30	1.12	BDL	BDL	BDL	BDL	52.7	91.2	8.4	16.2	0.489
05/03/2026	17:00	1.11	BDL	BDL	BDL	BDL	55.2	96.8	12.6	14.9	0.681
09/03/2026	16:00	1.13	BDL	BDL	BDL	BDL	49.5	90.2	9.3	17.1	0.565
12/03/2026	16:55	1.11	BDL	BDL	BDL	BDL	51.8	89.5	7.0	15.7	0.481
16/03/2026	16:45	1.12	BDL	BDL	BDL	BDL	47.6	90.8	8.1	16.5	0.528
19/03/2026	16:30	1.11	BDL	BDL	BDL	BDL	50.2	92.6	9.0	18.1	0.456
23/03/2026	16:20	1.13	BDL	BDL	BDL	BDL	53.7	95.0	11.9	14.7	0.629
26/03/2026	16:48	1.11	BDL	BDL	BDL	BDL	51.4	93.6	8.3	13.5	0.529
National Ambient Air Quality Monitoring Standards 2009			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -I:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-060326-06	06/03/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-6)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/03/2026
Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			NI ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
02-02-2026	12:20	1.12	1.328	BDL	BDL	BDL	47.5	89.1	6.5	14.2	0.367
05-02-2026	13:00	1.13	1.270	BDL	BDL	BDL	50.7	91.5	8.2	16.7	0.402
09-02-2026	10:40	1.10	1.465	BDL	BDL	BDL	55.2	96.7	10.6	18.4	0.643
12-02-2026	11:00	1.11	1.508	BDL	BDL	BDL	52.0	91.5	9.2	15.6	0.398
16-02-2026	12:00	1.12	1.493	BDL	BDL	BDL	54.8	95.3	8.7	16.1	0.526
19-02-2026	10:40	1.13	1.306	BDL	BDL	BDL	51.4	89.7	7.0	15.6	0.482
23-02-2026	12:20	1.12	1.415	BDL	BDL	BDL	53.2	92.0	9.4	16.3	0.520
26-02-2026	10:40	1.11	1.328	BDL	BDL	BDL	51.8	90.4	7.9	18.1	0.534
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV 2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-060326-05	06/03/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo, District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/03/2026

Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP [*]), ng/m ³	Lead (as Pb), µg/m ³
02-02-2026	11:50	1.12	1.265	BDL	BDL	BDL
05-02-2026	12:45	1.10	1.476	BDL	BDL	BDL
09-02-2026	10:20	1.09	1.509	BDL	BDL	BDL
12-02-2026	10:40	1.12	1.491	BDL	BDL	BDL
16-02-2026	11:35	1.11	1.584	BDL	BDL	BDL
19-02-2026	10:20	1.13	1.376	BDL	BDL	BDL
23-02-2026	11:50	1.10	1.262	BDL	BDL	BDL
26-02-2026	10:20	1.12	1.389	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-06326-04	06/03/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/03/2026
Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.10
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
02-02-2026	11:20	1.08	1.685	BDL	BDL	BDL
05-02-2026	12:20	1.10	1.512	BDL	BDL	BDL
09-02-2026	10:00	1.09	1.467	BDL	BDL	BDL
12-02-2026	10:20	1.11	1.504	BDL	BDL	BDL
16-02-2026	11:20	1.10	1.398	BDL	BDL	BDL
19-02-2026	10:00	1.09	1.456	BDL	BDL	BDL
23-02-2026	11:20	1.11	1.373	BDL	BDL	BDL
26-02-2026	10:00	1.12	1.485	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-060326-03	06/03/2026

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/02/2026
Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP ⁺), ng/m ³	Lead (as Pb), µg/m ³
02-02-2026	11:00	1.10	1.472	BDL	BDL	BDL
05-02-2026	11:50	1.12	1.518	BDL	BDL	BDL
09-02-2026	09:45	1.11	1.634	BDL	BDL	BDL
12-02-2026	10:00	1.10	1.380	BDL	BDL	BDL
16-02-2026	11:00	1.09	1.426	BDL	BDL	BDL
19-02-2026	09:45	1.11	1.575	BDL	BDL	BDL
23-02-2026	11:00	1.12	1.360	BDL	BDL	BDL
26-02-2026	09:45	1.10	1.487	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

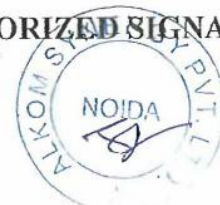
Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-060326-02	06/03/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/03/2026
Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m3/min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
02-02-2026	10:40	1.12	1.289	BDL	BDL	BDL
05-02-2026	11:20	1.10	1.432	BDL	BDL	BDL
09-02-2026	09:30	1.12	1.581	BDL	BDL	BDL
12-02-2026	09:45	1.11	1.460	BDL	BDL	BDL
16-02-2026	10:45	1.10	1.425	BDL	BDL	BDL
19-02-2026	09:30	1.12	1.398	BDL	BDL	BDL
23-02-2026	10:40	1.13	1.462	BDL	BDL	BDL
26-02-2026	09:30	1.10	1.326	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-060326-01	06/03/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 02/02/2026 To 26/02/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 09/02/2026 To 06/03/2026
Ambient Average Temperature (°C) : 32
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/m ³
02-02-2026	10:20	1.09	1.356	BDL	BDL	BDL
05-02-2026	11:00	1.11	1.418	BDL	BDL	BDL
09-02-2026	09:15	1.10	1.562	BDL	BDL	BDL
12-02-2026	09:30	1.12	1.405	BDL	BDL	BDL
16-02-2026	10:30	1.08	1.354	BDL	BDL	BDL
19-02-2026	09:15	1.10	1.408	BDL	BDL	BDL
23-02-2026	10:20	1.12	1.470	BDL	BDL	BDL
26-02-2026	09:15	1.11	1.298	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-06	09/02/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-6)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026
Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
01-01-2026	11:45	1.11	1.467	BDL	BDL	BDL	46.5	88.0	5.6	17.1	0.325
06-01-2026	11:20	1.12	1.392	BDL	BDL	BDL	48.1	90.5	6.2	15.4	0.398
08-01-2026	11:00	1.10	1.402	BDL	BDL	BDL	54.5	97.2	8.7	18.0	0.726
12-01-2026	11:20	1.12	1.370	BDL	BDL	BDL	51.8	92.9	7.0	16.5	0.409
15-01-2026	11:20	1.10	1.438	BDL	BDL	BDL	50.4	89.7	6.9	18.1	0.475
19-01-2026	11:50	1.13	1.381	BDL	BDL	BDL	53.7	92.1	9.5	17.9	0.423
22-01-2026	11:00	1.11	1.464	BDL	BDL	BDL	55.8	94.0	10.7	18.5	0.576
26-01-2026	11:20	1.12	1.350	BDL	BDL	BDL	54.1	96.7	9.5	17.2	0.605
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV 2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

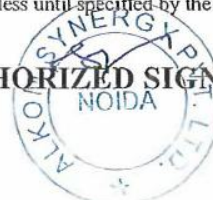
Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY *[Signature]*

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-05	09/02/2026

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026

Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/m ³
01-01-2026	11:30	1.11	1.516	BDL	BDL	BDL
06-01-2026	11:00	1.12	1.452	BDL	BDL	BDL
08-01-2026	10:45	1.13	1.380	BDL	BDL	BDL
12-01-2026	11:00	1.10	1.456	BDL	BDL	BDL
15-01-2026	11:00	1.12	1.374	BDL	BDL	BDL
19-01-2026	11:20	1.11	1.429	BDL	BDL	BDL
22-01-2026	10:45	1.13	1.502	BDL	BDL	BDL
26-01-2026	11:00	1.12	1.387	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

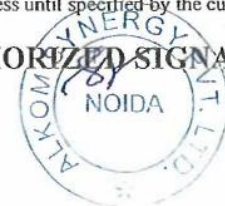
Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Checked by *Chawan*
CHECKED BY

*****End of Report*****

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-04	09/02/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026
Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/ m ³
01-01-2026	11:15	1.10	1.465	BDL	BDL	BDL
06-01-2026	11:00	1.13	1.491	BDL	BDL	BDL
08-01-2026	10:35	1.11	1.354	BDL	BDL	BDL
12-01-2026	10:45	1.12	1.402	BDL	BDL	BDL
15-01-2026	10:45	1.11	1.358	BDL	BDL	BDL
19-01-2026	11:00	1.14	1.412	BDL	BDL	BDL
22-01-2026	10:35	1.12	1.567	BDL	BDL	BDL
26-01-2026	10:45	1.11	1.375	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-03	09/02/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo, District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026
Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m3/min)	Parameter			
			Nickel (as Ni), ng/m³	Arsenic (as As), ng/m³	Benzo(a)pyrene (as BAP'), ng/m³	Lead (as Pb), µg/m³
01-01-2026	11:00	1.13	1.472	BDL	BDL	BDL
06-01-2026	10:30	1.11	1.367	BDL	BDL	BDL
08-01-2026	10:20	1.10	1.415	BDL	BDL	BDL
12-01-2026	10:35	1.12	1.482	BDL	BDL	BDL
15-01-2026	10:30	1.11	1.360	BDL	BDL	BDL
19-01-2026	10:45	1.10	1.437	BDL	BDL	BDL
22-01-2026	10:25	1.12	1.582	BDL	BDL	BDL
26-01-2026	10:28	1.13	1.390	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

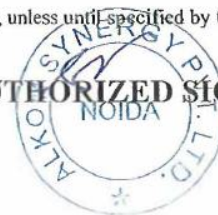
Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-02	09/02/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026
Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01-01-2026	10:45	1.10	1.275	BDL	BDL	BDL
06-01-2026	10:15	1.11	1.492	BDL	BDL	BDL
08-01-2026	10:05	1.12	1.368	BDL	BDL	BDL
12-01-2026	10:20	1.10	1.406	BDL	BDL	BDL
15-01-2026	10:15	1.11	1.381	BDL	BDL	BDL
19-01-2026	10:30	1.09	1.523	BDL	BDL	BDL
22-01-2026	10:05	1.10	1.368	BDL	BDL	BDL
26-01-2026	10:15	1.11	1.297	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

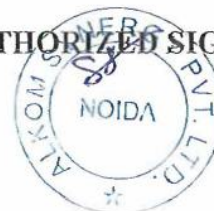
Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY *Shawan*

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-090226-01	09/02/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/01/2026 To 27/01/2026
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/01/2026 To 09/02/2026
Ambient Average Temperature (°C) : 23
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/m ³
01-01-2026	10:30	1.11	1.476	BDL	BDL	BDL
06-01-2026	10:00	1.13	1.349	BDL	BDL	BDL
08-01-2026	09:50	1.10	1.317	BDL	BDL	BDL
12-01-2026	10:05	1.12	1.452	BDL	BDL	BDL
15-01-2026	10:00	1.14	1.528	BDL	BDL	BDL
19-01-2026	10:15	1.12	1.382	BDL	BDL	BDL
22-01-2026	09:50	1.11	1.425	BDL	BDL	BDL
26-01-2026	10:05	1.10	1.398	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

End of Report

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-01	07/01/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/12/2025 To 26/12/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.14
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01/12/2025	10:30	1.13	1.308	BDL	BDL	BDL
04/12/2025	11:00	1.12	1.371	BDL	BDL	BDL
08/12/2025	10:15	1.14	1.264	BDL	BDL	BDL
11/12/2025	10:00	1.11	1.489	BDL	BDL	BDL
15/12/2025	10:30	1.13	1.346	BDL	BDL	BDL
18/12/2025	09:40	1.11	1.292	BDL	BDL	BDL
22/12/2025	10:00	1.14	1.375	BDL	BDL	BDL
25/12/2025	10:30	1.12	1.409	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-02	07/01/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/12/2025 To 26/12/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01/12/2025	10:45	1.12	1.498	BDL	BDL	BDL
04/12/2025	11:15	1.10	1.361	BDL	BDL	BDL
08/12/2025	10:30	1.09	1.519	BDL	BDL	BDL
11/12/2025	10:15	1.11	1.436	BDL	BDL	BDL
15/12/2025	10:45	1.12	1.402	BDL	BDL	BDL
18/12/2025	09:55	1.10	1.358	BDL	BDL	BDL
22/12/2025	10:15	1.11	1.491	BDL	BDL	BDL
25/12/2025	10:45	1.12	1.534	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

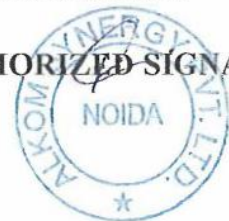
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-03	07/01/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/12/2025 To 26/12/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01/12/2025	11:00	1.10	1.539	BDL	BDL	BDL
04/12/2025	11:30	1.09	1.334	BDL	BDL	BDL
08/12/2025	10:45	1.11	1.478	BDL	BDL	BDL
11/12/2025	10:30	1.10	1.342	BDL	BDL	BDL
15/12/2025	11:00	1.12	1.481	BDL	BDL	BDL
18/12/2025	10:05	1.08	1.506	BDL	BDL	BDL
22/12/2025	10:30	1.10	1.380	BDL	BDL	BDL
25/12/2025	11:00	1.09	1.477	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-04	07/01/2026

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/12/2025 To 26/12/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01/12/2025	11:15	1.13	1.225	BDL	BDL	BDL
04/12/2025	11:45	1.11	1.343	BDL	BDL	BDL
08/12/2025	11:00	1.12	1.409	BDL	BDL	BDL
11/12/2025	10:45	1.13	1.278	BDL	BDL	BDL
15/12/2025	11:15	1.10	1.506	BDL	BDL	BDL
18/12/2025	10:20	1.12	1.478	BDL	BDL	BDL
22/12/2025	10:45	1.11	1.361	BDL	BDL	BDL
25/12/2025	11:15	1.13	1.497	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

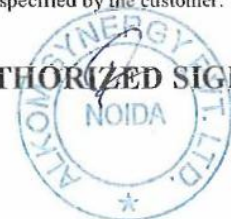
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-05	07/01/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 01/12/2025 To 26/12/2025
Sample Description	: Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C)	: 26
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Weather Condition	: Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
01/12/2025	11:30	1.12	1.382	BDL	BDL	BDL
04/12/2025	12:00	1.10	1.567	BDL	BDL	BDL
08/12/2025	11:15	1.11	1.431	BDL	BDL	BDL
11/12/2025	11:00	1.09	1.418	BDL	BDL	BDL
15/12/2025	11:30	1.11	1.296	BDL	BDL	BDL
18/12/2025	10:35	1.12	1.352	BDL	BDL	BDL
22/12/2025	11:00	1.10	1.408	BDL	BDL	BDL
25/12/2025	11:30	1.12	1.569	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-070126-06	07/01/2026

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 01/12/2025 To 26/12/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-6)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 08/12/2025 To 07/01/2026
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
01/12/2025	11:45	1.12	1.356	BDL	BDL	BDL	48.6	89.1	6.0	15.6	0.352
04/12/2025	12:20	1.10	1.492	BDL	BDL	BDL	50.1	92.3	8.5	13.8	0.426
08/12/2025	11:35	1.08	1.460	BDL	BDL	BDL	52.8	95.6	9.1	16.4	0.628
11/12/2025	11:20	1.10	1.537	BDL	BDL	BDL	49.3	90.0	6.7	14.2	0.384
15/12/2025	11:45	1.09	1.413	BDL	BDL	BDL	53.0	91.7	8.9	16.5	0.561
18/12/2025	10:45	1.11	1.479	BDL	BDL	BDL	54.7	95.4	10.6	15.0	0.469
22/12/2025	11:20	1.12	1.526	BDL	BDL	BDL	51.9	89.2	7.0	17.4	0.537
25/12/2025	11:45	1.08	1.418	BDL	BDL	BDL	52.0	94.5	8.2	14.6	0.621
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

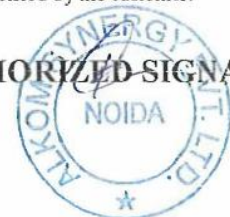
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-01	05/12/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/11/2025 To 27/11/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/11/2025	10:00	1.11	1.389	BDL	BDL	BDL
05/11/2025	10:15	1.09	1.402	BDL	BDL	BDL
10/11/2025	11:00	1.10	1.326	BDL	BDL	BDL
13/11/2025	10:30	1.12	1.451	BDL	BDL	BDL
17/11/2025	10:00	1.11	1.375	BDL	BDL	BDL
20/11/2025	09:45	1.10	1.622	BDL	BDL	BDL
24/11/2025	10:15	1.11	1.468	BDL	BDL	BDL
27/11/2025	10:30	1.11	1.571	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

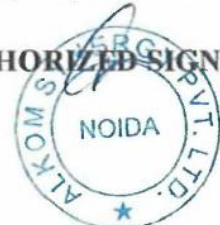
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-02	05/12/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/11/2025 To 27/11/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/11/2025	10:15	1.12	1.517	BDL	BDL	BDL
05/11/2025	10:30	1.10	1.354	BDL	BDL	BDL
10/11/2025	11:15	1.13	1.481	BDL	BDL	BDL
13/11/2025	10:45	1.11	1.396	BDL	BDL	BDL
17/11/2025	10:30	1.12	1.282	BDL	BDL	BDL
20/11/2025	10:00	1.13	1.368	BDL	BDL	BDL
24/11/2025	10:30	1.12	1.401	BDL	BDL	BDL
27/11/2025	10:45	1.10	1.365	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY *Shweta*

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-03	05/12/2025

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 03/11/2025 To 27/11/2025
Sample Description	: Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C)	: 26
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Weather Condition	: Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/11/2025	10:30	1.12	1.381	BDL	BDL	BDL
05/11/2025	10:45	1.10	1.295	BDL	BDL	BDL
10/11/2025	11:30	1.13	1.467	BDL	BDL	BDL
13/11/2025	11:00	1.12	1.324	BDL	BDL	BDL
17/11/2025	10:45	1.13	1.281	BDL	BDL	BDL
20/11/2025	10:15	1.11	1.465	BDL	BDL	BDL
24/11/2025	11:45	1.12	1.382	BDL	BDL	BDL
27/11/2025	11:00	1.11	1.294	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer

End of Report

CHECKED BY *phawng*

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-04	05/12/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/11/2025 To 27/11/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/11/2025	10:45	1.10	1.316	BDL	BDL	BDL
05/11/2025	11:00	1.11	1.254	BDL	BDL	BDL
10/11/2025	10:45	1.10	1.412	BDL	BDL	BDL
13/11/2025	11:15	1.12	1.370	BDL	BDL	BDL
17/11/2025	11:00	1.11	1.286	BDL	BDL	BDL
20/11/2025	10:30	1.12	1.518	BDL	BDL	BDL
24/11/2025	11:00	1.09	1.362	BDL	BDL	BDL
27/11/2025	11:15	1.12	1.397	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY *Shouring*

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-05	05/12/2025

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 03/11/2025 To 27/11/2025
Sample Description	: Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C)	: 26
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Weather Condition	: Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/11/2025	11:00	1.13	1.529	BDL	BDL	BDL
05/11/2025	11:15	1.12	1.362	BDL	BDL	BDL
10/11/2025	12:00	1.09	1.456	BDL	BDL	BDL
13/11/2025	11:15	1.10	1.408	BDL	BDL	BDL
17/11/2025	11:15	1.13	1.373	BDL	BDL	BDL
20/11/2025	10:45	1.12	1.507	BDL	BDL	BDL
24/11/2025	11:15	1.11	1.491	BDL	BDL	BDL
27/11/2025	11:35	1.12	1.373	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

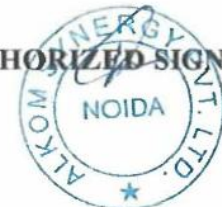
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-06	05/12/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/11/2025 To 27/11/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-6)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
03/11/2025	11:20	1.10	1.308	BDL	BDL	BDL	52.8	93.1	8.6	15.3	0.482
05/11/2025	11:30	1.09	1.262	BDL	BDL	BDL	51.6	90.8	7.1	13.5	0.518
10/11/2025	12:20	1.10	1.569	BDL	BDL	BDL	54.1	95.6	10.4	17.1	0.494
13/11/2025	11:50	1.11	1.612	BDL	BDL	BDL	48.3	89.1	6.9	12.5	0.406
17/11/2025	11:35	1.12	1.478	BDL	BDL	BDL	55.8	96.4	9.7	16.2	0.510
20/11/2025	11:00	1.10	1.541	BDL	BDL	BDL	51.9	90.1	7.3	13.9	0.624
24/11/2025	11:35	1.12	1.385	BDL	BDL	BDL	53.2	92.7	6.9	14.1	0.486
27/11/2025	11:55	1.11	1.453	BDL	BDL	BDL	54.0	95.3	10.2	19.5	0.560
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

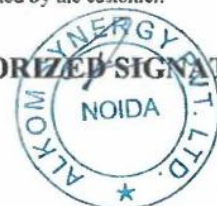
Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

*****End of Report*****

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-07	05/12/2025

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,

District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date of Sampling	: 03/11/2025 To 27/11/2025
Sample Description	: Flat No. 101 To 108 on Terrace (Township)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C)	: 26
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Weather Condition	: Normal

Date of Sampling	Time	AFR for RDS (m3/m)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
03/11/2025	14:05	1.10	BDL	BDL	BDL	BDL	48.1	87.5	6.3	14.8	0.426
05/11/2025	16:35	1.11	BDL	BDL	BDL	BDL	52.8	93.2	9.5	16.1	0.561
10/11/2025	16:40	1.12	BDL	BDL	BDL	BDL	50.2	89.7	7.2	13.7	0.439
13/11/2025	17:00	1.11	BDL	BDL	BDL	BDL	54.6	95.1	11.5	18.1	0.486
17/11/2025	16:10	1.10	BDL	BDL	BDL	BDL	51.3	90.8	8.2	12.9	0.350
20/11/2025	16:20	1.12	BDL	BDL	BDL	BDL	53.7	94.2	10.5	15.8	0.619
24/11/2025	16:10	1.10	BDL	BDL	BDL	BDL	49.2	87.6	8.1	13.5	0.403
27/11/2025	16:55	1.11	BDL	BDL	BDL	BDL	52.5	93.0	11.9	19.2	0.527
National Ambient Air Quality Monitoring Standards 2009			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

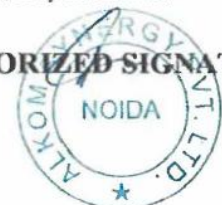
Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY *Chawing*

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-051225-08	05/12/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/11/2025 To 27/11/2025
Sample Description : Club House on Terrace (Township)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 10/11/2025 To 05/12/2025
Ambient Average Temperature (°C) : 26
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR for RDS (m ³ /m)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
03/11/2025	14:20	1.12	BDL	BDL	BDL	BDL	49.5	88.2	7.1	11.5	0.431
05/11/2025	16:55	1.10	BDL	BDL	BDL	BDL	53.1	94.8	11.5	14.3	0.298
10/11/2025	16:55	1.11	BDL	BDL	BDL	BDL	48.7	89.5	6.7	12.9	0.503
13/11/2025	17:00	1.12	BDL	BDL	BDL	BDL	51.3	90.7	9.1	14.7	0.422
17/11/2025	16:10	1.10	BDL	BDL	BDL	BDL	48.8	87.2	6.5	11.2	0.376
20/11/2025	16:20	1.09	BDL	BDL	BDL	BDL	54.1	95.6	13.2	18.6	0.415
24/11/2025	16:10	1.12	BDL	BDL	BDL	BDL	50.9	89.1	8.5	15.2	0.377
27/11/2025	17:10	1.10	BDL	BDL	BDL	BDL	52.7	93.8	9.7	14.5	0.445
National Ambient Air Quality Monitoring Standards 2009			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:-5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

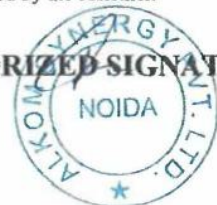
Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-01	06/11/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/10/2025 To 27/10/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/10/2025 To 06/11/2025
Ambient Average Temperature (°C) : 28
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/m ³
03/10/2025	10:00	1.12	1.486	BDL	BDL	BDL
06/10/2025	11:50	1.10	1.252	BDL	BDL	BDL
09/10/2025	10:00	1.11	1.469	BDL	BDL	BDL
13/10/2025	09:00	1.10	1.527	BDL	BDL	BDL
16/10/2025	12:10	1.12	1.413	BDL	BDL	BDL
21/10/2025	10:00	1.11	1.460	BDL	BDL	BDL
23/10/2025	11:10	1.12	1.298	BDL	BDL	BDL
27/10/2025	11:10	1.10	1.364	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY

**TEST REPORT**

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-02	06/11/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/10/2025 To 27/10/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/10/2025 To 06/11/2025
Ambient Average Temperature (°C) : 28
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/10/2025	10:15	1.09	1.371	BDL	BDL	BDL
06/10/2025	12:05	1.11	1.538	BDL	BDL	BDL
09/10/2025	10:15	1.10	1.463	BDL	BDL	BDL
13/10/2025	09:15	1.12	1.501	BDL	BDL	BDL
16/10/2025	12:25	1.11	1.327	BDL	BDL	BDL
21/10/2025	10:15	1.08	1.473	BDL	BDL	BDL
23/10/2025	11:25	1.10	1.568	BDL	BDL	BDL
27/10/2025	11:25	1.11	1.416	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer.

*****End of Report*******CHECKED BY****AUTHORIZED SIGNATORY**



TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-03	06/11/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/10/2025 To 27/10/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/10/2025 To 06/11/2025
Ambient Average Temperature (°C) : 28
Average Flow Rate of SPM (m³/min.) : 1.13
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/m ³
03/10/2025	10:30	1.13	1.195	BDL	BDL	BDL
06/10/2025	12:20	1.11	1.470	BDL	BDL	BDL
09/10/2025	10:30	1.12	1.362	BDL	BDL	BDL
13/10/2025	09:30	1.13	1.405	BDL	BDL	BDL
16/10/2025	12:35	1.11	1.381	BDL	BDL	BDL
21/10/2025	10:30	1.12	1.597	BDL	BDL	BDL
23/10/2025	11:35	1.10	1.462	BDL	BDL	BDL
27/10/2025	11:35	1.12	1.357	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed of after two weeks from the date of issue of test report, unless until specified by the customer

End of Report

CHECKED BY 

AUTHORIZED SIGNATORY 



TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-04	06/11/2025

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo, District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/10/2025 To 27/10/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-4)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/10/2025 To 06/11/2025
Ambient Average Temperature (°C) : 28
Average Flow Rate of SPM (m³/min.) : 1.12
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m3/min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP'), ng/m ³	Lead (as Pb), µg/ m ³
03/10/2025	10:45	1.11	1.524	BDL	BDL	BDL
06/10/2025	12:35	1.12	1.446	BDL	BDL	BDL
09/10/2025	10:45	1.10	1.398	BDL	BDL	BDL
13/10/2025	09:45	1.10	1.514	BDL	BDL	BDL
16/10/2025	12:45	1.12	1.483	BDL	BDL	BDL
21/10/2025	10:45	1.11	1.387	BDL	BDL	BDL
23/10/2025	11:45	1.12	1.540	BDL	BDL	BDL
27/10/2025	11:45	1.10	1.434	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-05	06/11/2025

**Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,
District:-Bhatinda (Punjab) India**

SAMPLING & ANALYSIS DATA

Sample Drawn By : Lab Representative
Date of Sampling : 03/10/2025 To 27/10/2025
Sample Description : Ambient Air Quality Monitoring Station (AAQMS-5)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/10/2025 To 06/11/2025
Ambient Average Temperature (°C) : 28
Average Flow Rate of SPM (m³/min.) : 1.11
Weather Condition : Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter			
			Nickel (as Ni), ng/m ³	Arsenic (as As), ng/m ³	Benzo(a)pyrene (as BAP*), ng/m ³	Lead (as Pb), µg/m ³
03/10/2025	11:00	1.10	1.339	BDL	BDL	BDL
06/10/2025	12:45	1.09	1.451	BDL	BDL	BDL
09/10/2025	11:00	1.10	1.512	BDL	BDL	BDL
13/10/2025	10:00	1.11	1.476	BDL	BDL	BDL
16/10/2025	13:00	1.12	1.393	BDL	BDL	BDL
21/10/2025	11:00	1.10	1.426	BDL	BDL	BDL
23/10/2025	12:00	1.09	1.379	BDL	BDL	BDL
27/10/2025	12:00	1.10	1.452	BDL	BDL	BDL
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01
Test Method			IS:-5182 (P:-26)	CPCBGV-1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY





TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-061125-06	06/11/2025

Issued To:-M/s HPCL-Mittal Energy Limited, Village-Phullakhari, Taluka Talwandi Sabo,

District:-Bhatinda (Punjab) India

SAMPLING & ANALYSIS DATA

Sample Drawn By	:	Lab Representative
Date of Sampling	:	03/10/2025 To 27/10/2025
Sample Description	:	Ambient Air Quality Monitoring Station (AAQMS-6)
Sampling Plan & Procedure	:	SOP-AAQ/08
Analysis Duration	:	06/10/2025 To 06/11/2025
Ambient Average Temperature (°C)	:	28
Average Flow Rate of SPM (m ³ /min.)	:	1.12
Weather Condition	:	Normal

Date of Sampling	Time	AFR of RDS (m ³ /min)	Parameter								
			Ni ng/m ³	As ng/m ³	BaP*, ng/m ³	Pb µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³
03/10/2025	11:20	1.11	1.416	BDL	BDL	BDL	50.4	92.1	7.4	13.7	0.405
06/10/2025	13:00	1.12	1.527	BDL	BDL	BDL	53.1	94.5	9.2	18.9	0.398
09/10/2025	11:20	1.09	1.349	BDL	BDL	BDL	49.5	90.7	6.5	15.2	0.527
13/10/2025	10:30	1.12	1.472	BDL	BDL	BDL	54.8	95.2	8.8	17.5	0.412
16/10/2025	13:15	1.10	1.398	BDL	BDL	BDL	50.2	89.5	7.0	13.8	0.386
21/10/2025	11:15	1.12	1.354	BDL	BDL	BDL	52.7	90.9	8.2	19.4	0.572
23/10/2025	12:15	1.10	1.467	BDL	BDL	BDL	55.3	94.1	10.5	15.1	0.619
27/10/2025	12:20	1.09	1.370	BDL	BDL	BDL	53.1	96.7	8.7	20.3	0.481
National Ambient Air Quality Monitoring Standards (2009)			20	06	01	01	60	100	80	80	04
Test Method			IS:-5182 (P:-26)	CPCBGV -1:-2012	IS:-5182 (P:-11)	IS:-5182 (P:-22)	IS:-5182 (P:-23)	IS:5182 (P:-24)	IS:-5182 (P:-2)	IS:-5182 (P:-6)	IS:-5182 (P:-10)

Notes:-

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

End of Report

CHECKED BY

AUTHORIZED SIGNATORY









ANNEXURE-III

**Activities undertaken for improving socio-economic conditions in the surrounding areas
from Oct'25 to Mar'2026**

CSR Pillars	Beneficiaries	Remarks
Community Healthcare & Hygiene	24211	Medical Camps; Promoting Sports among youth; Road cleaning and Housekeeping; Support of Fitness Equipment's; Support to Drug de addiction Centre and Bal Bhawan; Fogging & Spraying in vicinity villages; Humane Education Program; Support for flood relief measures in flood affected areas;
Livelihood and Sustainable Development	14785	Women Empowerment initiatives; Women Entrepreneurship Development (SHG); Animal Husbandry Camp; Skill Training program
Promoting Sport, Arts & Culture	7	Phulkari the Traditional Art (Embroidery); Sports promotion initiative
Total	39003	



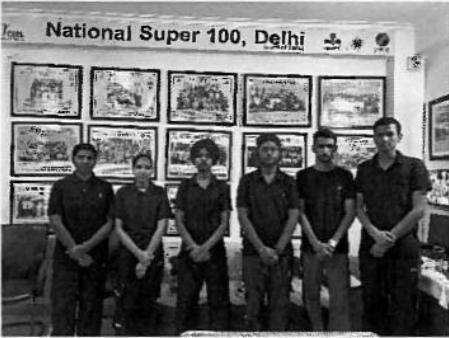



Photographs of activities undertaken for improving socio-economic conditions in the surrounding areas from Oct'25 to Mar'2026

<p>Livelihood and Sustainable Development (Animal health checkup camp)</p>	<p>Livelihood and Sustainable Development (Women Entrepreneurship initiatives)</p>
	
<p>Community Healthcare & Hygiene (Support of Fitness Equipments)</p>	<p>Community Healthcare & Hygiene (Medical Camp)</p>
	
<p>Livelihood and Sustainable Development (Skill Training Program)</p>	<p>Promoting Sport, Arts & Culture (Phulkari Traditional Art Embroidery)</p>
	

ANNEXURE-IV

Activities undertaken for community welfare including eco-developmental measures in the surrounding areas from Oct'25 to Mar'2026		
CSR Pillars	Beneficiaries	Remarks
Education Development	16719	Distribution of School Bags & Stationery items in Government schools; Support for Coaching classes for higher studies in Engineering; Scholarship & Other support to Meritorious students for 10th & 12th class students; School infrastructure Development work; Sports and Drawing Competition for Govt. Schools; Distribution of school uniforms in Government schools; Support to Red Cross society for providing education to special abled children; Infrastructure support to Education institutions;
Community infrastructure and Environment	73138	Community level rural development work; Tree Guards & Concrete Benches; Support to community Institutions; Construction of Sewerage System; Winter Relief support through Red Cross Society; Support for Heath infrastructure development; Sports Infrastructure development; Renovation of Pond & Water Works in vicinity villages;
Total	89587	

Photographs of activities undertaken for community welfare including eco-developmental measures

<p align="center">Education Development (Bicycle for Girls Students)</p>	<p align="center">Education Development (School Bag & Stationery distribution)</p>
	
<p align="center">Education Development (Support for Coaching classes for higher studies in Engineering)</p>	<p align="center">Education Development (Scholarship Distribution)</p>
	
<p align="center">Community infrastructure and Environment (Supply of Concrete Benches)</p>	<p align="center">Community infrastructure and Environment (Renovation of Pond)</p>
	

ANNEXURE-V

Jatinder Kumar1

From: Environment Team
Sent: Friday, December 5, 2025 12:02 PM
To: ecompliance-nro@gov.in
Cc: narendersharm.cpcb@gov.in; ronz.chd-mef@nic.in; 'seezobti@gmail.com'; RO Bathinda; CoOrdinator Chd; Sanket Thapar; Ravi Deshwal; Jatinder Kumar1; Deepak Rajput
Subject: Sixth Monthly EC Compliance Report of GGSPAP from Apr'25 to Sept'25
Attachments: Sixth monthly EC compliance report_GGSPAP Apr'25-Sept'25.pdf

To,
The Director,
Minister of Environment Forests & Climate Change,
Northern Regional Office,
Bays No. 24-25, Sector 31-A,
Dakshin Marg,
Chandigarh-160030

Subject: Sixth monthly EC Compliance report (from Apr'25 to Sept'25) for Polymer Addition Project at Guru Gobind Singh Refinery Complex in District Bathinda (Punjab) by HPCL – Mittal Energy Ltd (HMEL).

Ref. No.: Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 12 Dec 2017
Environment Clearance Letter No.: J-1101/266/2017-IA-II (I) dated 07 Dec 2021

Dear Sir,
Please find enclosed sixth monthly EC compliance report for the period Apr'25 to Sept'25, of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex (along with Annexures) on the environmental conditions stipulated by MoEF&CC.

Regards,
Environment Team,
Guru Gobind Singh refinery
Bathinda.