

## CoOrdinator Chd

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**From:** Environment Team  
**Sent:** 30 May 2025 17:12  
**To:** eccompliance-nro@gov.in  
**Cc:** narendersharmacpcb@gov.in; ronzhcd-mef@nic.in; 'seezobti@gmail.com'; RO Bathinda; CoOrdinator Chd; Ravi Deshwal; Jatinder Kumar1  
**Subject:** Six Monthly EC Compliance Report of GGSPAP from Oct'24 to Mar'25  
**Attachments:** Six monthly EC compliance report\_Oct'24 to Mar'25\_GGSPAP.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:** 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'24 to Mar'25, for the conditions stipulated in Environment Clearance of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex.

Regards,  
Environment Team,  
**Guru Gobind Singh refinery**  
Bathinda.

received  
subject  
06/06/25

Date: 29<sup>th</sup> May 2025

Ref: HMEL-OE-40-ENV 1242

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'24 to Mar'25, for the conditions stipulated in Environment Clearance of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex.

Best Regards,



Jatinder Kumar  
(DM-Env. Operational Excellence)

*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'24 to Mar'25) 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 (for the period of Oct'24 to Mar'25)

**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'24 to Sep'24.

**HPCL-Mittal Energy Limited**

# **ENVIRONMENT CLEARANCE COMPLIANCE AND MONITORING REPORTS**

Six Monthly EC Compliance Report  
(Oct'2024 to Mar'2025)

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

**Six Monthly EC Compliance Report for the period of Oct'2024 to Mar'2025 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 12<sup>th</sup> 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 <sub>10</sub> & PM <sub>2.5</sub> 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 <sub>10</sub> and PM <sub>2.5</sub> was submitted to Mo&EFCC along with mitigation measures vide letter no.: 9112-000-GGSPAP-009-2018-043 on 11 <sup>th</sup> 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) dated 21/03/2025 which is valid till 30/09/2025. <b>Annexure-I</b>
(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, 2016 shall be obtained and the provisions contained in the rules shall be strictly adhered to.	Complied. The necessary authorization required under the Hazardous and Other Waste (Management and Trans-Boundary Movement) Rules, 2016 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 <sup>th</sup> March 2008 and Environment Standards for Petrochemical (Basic and intermediates) dated on 9 <sup>th</sup> 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 <sup>th</sup> November 2012 have been followed. The existing Refinery project is ensuring that environmental standards dated 18 <sup>th</sup> 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	This condition is being complied with.

	time to time. All transportation of Hazardous chemicals shall be as per the Motor Vehicle Act (M.V.A) 1989.	
(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: <ul style="list-style-type: none"> <li>a) Metering and control of quantities of active ingredients to minimize waste</li> <li>b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>c) Use of automated filling to minimize spillage</li> <li>d) Use of Close Feed system into batch reactors</li> <li>e) Venting equipment through vapour recovery system</li> <li>f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</li> </ul>	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 <sup>th</sup> 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	Being complied. Online SOx, NOx, CO and PM analyzers have been installed and the online data is being

	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.	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 Punjab Pollution Control Board. Month wise data of ambient air quality is attached as <b>Annexure II</b> .
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No 826(E) dated 16 <sup>th</sup> 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	Complied.

	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)	Noise control measures such as acoustic hoods, silencers, enclosures etc. are implemented to ensure that the ambient noise levels confirm 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 check is done six monthly 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 <b>Annexure III</b> .
(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 <b>Annexure IV</b> .
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement	Complied.



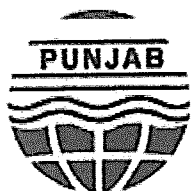
	conditions stipulated by the Ministry of Environment, Forest and Climate change as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	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'24 to Oct'24) was submitted vide letter no. HMEL-TS-40-ENV 1193 on dated 29 <sup>th</sup> November, 2025 and compliance reports for the same has been uploaded on the website of HMEL with following link. <a href="#">HMEL - Disclosures and Reports</a> <b>Annexure V</b>
(xiv)	The environment statement for each financial year ending 31 <sup>st</sup> 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 2023-24 has been submitted to state pollution control board vide letter no. HMEL-TS-40-ENV 1171 dated 30 <sup>th</sup> September 2024. Environment statement along with the status of compliance of environmental clearance conditions has been uploaded on the website of HMEL with following link. <a href="http://www.hmel.in/corporate-sustainability-disclosures-report">http://www.hmel.in/corporate-sustainability-disclosures-report</a>
(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 available with the SPCB/committee and may also be seen at Website of the Ministry at <a href="http://parivesh.nic.in/">http://parivesh.nic.in/</a> . 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	Complied The copy of the advertisement publishing the accordance of Environmental Clearance by MoEF&CC in the two local widely circulated newspaper namely Tribune Bathinda (English) and Ajit (Punjabi) was done on 15 <sup>th</sup> Dec 2017.

	forwarded to other concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
(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 the period of Apr'24 to Sep'24 for amended Environmental Clearance F. No. J-11011/266/2017-IA-II(I), dated 7<sup>th</sup> 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.



# PUNJAB POLLUTION CONTROL BOARD

Zonal Office, Power House Road, Street No. 12, Bathinda

Website:- www.ppcb.gov.in



Office Dispatch No :  
OCMMS/CTO(Air)/2025/002240

Registered/Speed Post

Date:

Industry Registration ID: R12BTI44706

Application No : 28045566

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/2025/28045566
Date of issue :	21/03/2025
Date of expiry :	30/09/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Varied/BTI/2022/19563058 From: 24/09/2022 To: 31/03/2025

## 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

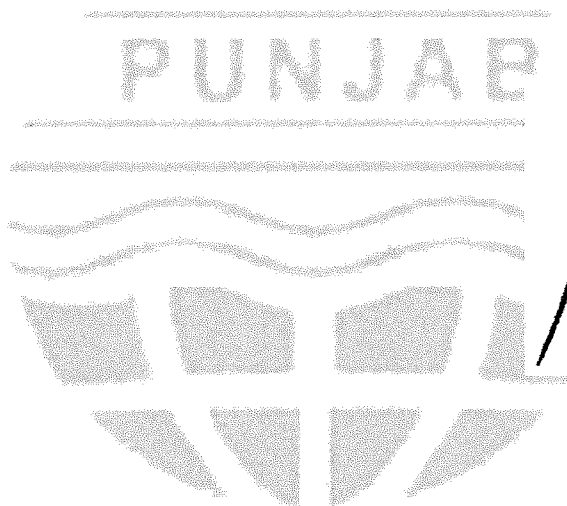
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Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo, Talwandi Sabo, Bathinda, 151301

In continuation to the previous 'consent to operate' granted to the industry under the provisions of Air Act, 1981 from the Invest Punjab, PBIP vide no. CTOA/Varied//BTI/2022/19563058 dt. 24.09.2022, which is valid upto 31.03.2025, the consent to operate under the said Act, is hereby further extended upto 30.09.2025, subject to the same conditions as mentioned in the original consent along-with following specific conditions that:-

1. The industrial shall comply with the conditions imposed in the Environmental Clearance issued to it under the EIA notification dated 14.09.2006 from time to time.
2. The industry being a bulk waste generator of solid waste, shall ensure that bio-degradable waste shall be processed, treated and disposed of through composting or bio-methanation within the premises.
3. The industry shall operate its ETP of refinery section as well as petro chemical section regularly and scientifically and shall ensure to achieve the effluent standards at all times.
4. The industry shall install/operate online continuous effluent & stack emission monitoring systems and shall ensure the connectivity of the same with the server of PPCB & CPCB as per the directions issued by CPCB, New Delhi and shall ensure regular maintenance/ operation of the same with temper proof mechanisms having facilities for online calibration.
5. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system / effluent treatment plant and during no demand period.
6. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received.
7. The industry shall install flare gas recovery system on its petrochemical flare system on the same lines as already done by it on another flare provided with the refinery unit by 31.12.2025 and shall submit the progress report in the matter to the Regional Office, Bathinda of the Board.
8. The industry shall install CCTV cameras showing the flare stacks of its refinery and petrochemical unit, which shall be connected with the server of the Board, within one month.
9. The industry shall ensure that only the treated effluent is discharged into the plantation area and the said plantation area shall be properly developed with proper access by regular removal of weeds / wild growth, plantation of new saplings in place of dead plants and proper irrigation network.

This letter be remain appended with the consent to operate granted to the industry under the Air Act, 1981 vide no. CTOA/Varied//BTI/2022/19563058 dt. 24.09.2022.



21/03/2025

(Ruby Sidhu)  
Environmental Engineer  
For & on behalf  
of  
(Punjab Pollution Control Board)

Endst. No.:

Dated:

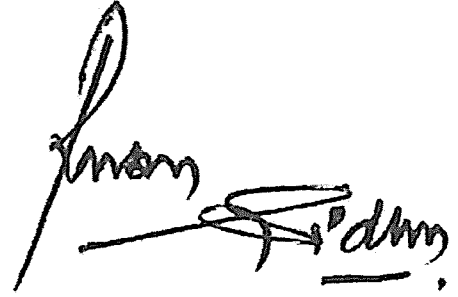
A copy of the above is forwarded to the following for information and necessary action please:

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

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

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21/03/2025

**(Ruby Sidhu)**  
**Environmental Engineer**

*For & on behalf*

*of*

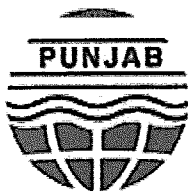
**(Punjab Pollution Control Board)**



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

*Page 3*



# PUNJAB POLLUTION CONTROL BOARD

Zonal Office, Power House Road, Street No. 12, Bathinda

Website:- www.ppcb.gov.in



Office Dispatch No :  
OCMMS/CTO(Water)/2025/002238

Registered/Speed Post

Date:

Industry Registration ID:

R12BTI44706

Application No :

28052066

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/2025/28052066
Date of issue :	21/03/2025
Date of expiry :	30/09/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Varied/BTI/2022/19705515 From: 24/09/2022 To: 31/03/2025

## 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

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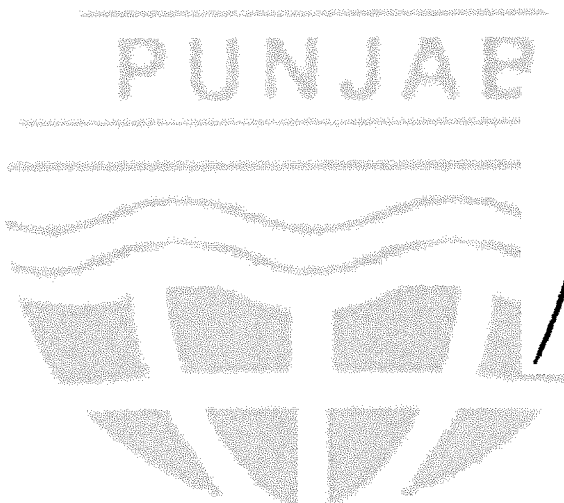
Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Talwandi Saboo,, Talwandi Sabo, Bathinda, 151301

Page 1

In continuation to the previous 'consent to operate' granted to the industry under the provisions of Water Act, 1974 from the Invest Punjab, PBIP vide no. CTOW/Varied/BTI/2022/19705515 dt. 24.09.2022, which is valid upto 31.03.2025, the consent to operate under the said Act is hereby further extended upto 30.09.2025, subject to the same conditions as mentioned in the original consent along-with the following specific conditions that:-

1. The industrial shall comply with the conditions imposed in the Environmental Clearance issued to it under the EIA notification dated 14.09.2006 from time to time.
2. The industry being a bulk waste generator of solid waste, shall ensure that bio-degradable waste shall be processed, treated and disposed of through composting or bio-methanation within the premises.
3. The industry shall operate its ETP of refinery section as well as petro chemical section regularly and scientifically and shall ensure to achieve the effluent standards at all times.
4. The industry shall install/operate online continuous effluent & stack emission monitoring systems and shall ensure the connectivity of the same with the server of PPCB & CPCB as per the directions issued by CPCB, New Delhi and shall ensure regular maintenance/ operation of the same with temper proof mechanisms having facilities for online calibration.
5. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system / effluent treatment plant and during no demand period.
6. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received.
7. The industry shall install flare gas recovery system on its petrochemical flare system on the same lines as already done by it on another flare provided with the refinery unit by 31.12.2025 and shall submit the progress report in the matter to the Regional Office, Bathinda of the Board.
8. The industry shall install CCTV cameras showing the flare stacks of its refinery and petrochemical unit, which shall be connected with the server of the Board, within one month.
9. The industry shall ensure that only the treated effluent is discharged into the plantation area and the said plantation area shall be properly developed with proper access by regular removal of weeds / wild growth, plantation of new saplings in place of dead plants and proper irrigation network.

This letter be remain appended with the consent to operate granted to the industry under the Water Act, 1974 vide no. CTOW/Varied/ /BTI/2022/19705515 dt. 24.09.2022.



21/03/2025

(Ruby Sidhu)  
Environmental Engineer  
For & on behalf  
of  
(Punjab Pollution Control Board)

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.

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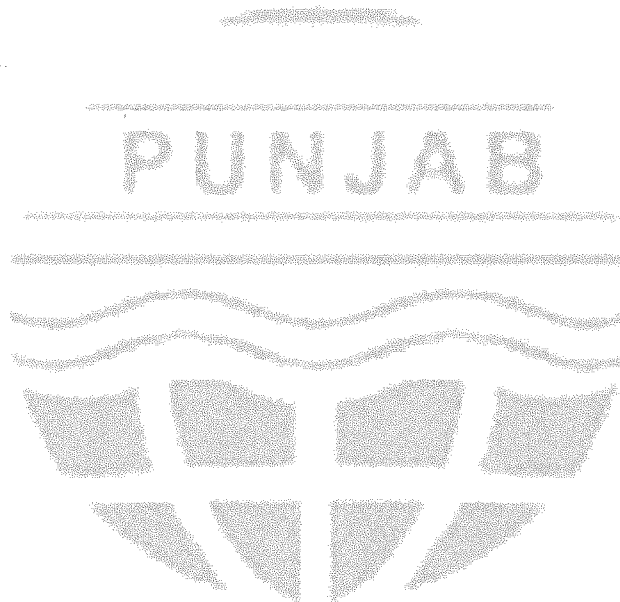
Hpcl-mittal Energy Limited (guru Gobind Singh Refinery), Village Phullokari, taluka Tahwandi Saboo, Tahwandi Sabo, Bathinda. 151301

Page 2



21/03/2025

**(Ruby Sidhu)**  
**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 Tahwandi Saboo, Tahwandi Sabo, Bathinda, 151301*

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## **ANNEXURE-II**



## TEST REPORT

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-041124-09	04/11/2024
Issued to	M/s HPCL-Mittal Energy Limited, Village-Phullokhari, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India	
Date of Sampling & Time	18/10/2024	
Name of the Location	HMEL REFINERY	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	72.4	54.1
2	Near Fire Water Reservoir	65.1	51.9
3	Near Road Crude Oil Tanks	71.8	55.3
4	Near ETP-1 (Refinery)	69.1	56.8
5	Near ETP-2 (Petchem)	72.6	57.9
6	Near Storm Water Pond East Side	67.1	53.6
7	Near Sulphur Yard South East Side	68.7	57.2
8	Near Rail Loading Dispatch South East Side	73.5	54.8
9	Near CPP North East Side	74.8	57.1
10	Near Poly Propylene Dispatch Area	69.2	54.6
11	Near Ecological Pond Area	71.5	55.1
12	Near Refinery Flare Area	73.7	69.4
13	Near Petchem Flare Area	72.1	67.7
14	Near Cool Heading Yard	68.6	55.1
15	Battery Limits DFCU	71.8	62.5
Permissible Limit in *dB(A) Leq For Industrial Area		75 dB(A)	70 dB(A)

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.

CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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

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## TEST REPORT

<b>Test Report of Ambient Noise</b>	<b>Report Code</b>	<b>Date of Issue</b>
	AN-091224-09	09/12/2024
Issued to	M/s HPCL-Mittal Energy Limited, Village-Phullokhari, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India	
Date of Sampling & Time	28/11/2024	
Name of the Location	HMEL REFINERY	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	73.9	55.8
2	Near Fire Water Reservoir	68.2	52.4
3	Near Road Crude Oil Tanks	72.6	54.1
4	Near ETP-1 (Refinery)	70.8	55.8
5	Near ETP-2 (Petchem)	73.4	56.3
6	Near Storm Water Pond East Side	68.2	54.7
7	Near Sulphur Yard South East Side	67.9	55.2
8	Near Rail Loading Dispatch South East Side	74.2	53.8
9	Near CPP North East Side	72.9	56.5
10	Near Poly Propylene Dispatch Area	70.5	54.3
11	Near Ecological Pond Area	72.8	55.8
12	Near Refinery Flare Area	74.6	68.2
13	Near Petchem Flare Area	73.4	69.7
14	Near Cool Heading Yard	67.1	56.1
15	Battery Limits DFCU	72.5	63.9
<b>Permissible Limit in *dB(A) Leq For Industrial Area</b>		<b>75 dB(A)</b>	<b>70 dB(A)</b>

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.

CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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

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## TEST REPORT

<b>Test Report of</b>	<b>Report Code</b>	<b>Date of Issue</b>
<b>Ambient Noise</b>	<b>AN-060125-09</b>	<b>06/01/2025</b>
Issued to	M/s HPCL-Mittal Energy Limited, Village-Phullokhar, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India	
Date of Sampling & Time	31/12/2024	
Name of the Location	HMEL REFINERY	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	71.6	56.1
2	Near Fire Water Reservoir	66.9	53.5
3	Near Road Crude Oil Tanks	71.0	55.9
4	Near ETP-1 (Refinery)	69.5	57.2
5	Near ETP-2 (Petchem)	71.2	54.8
6	Near Storm Water Pond East Side	69.7	53.2
7	Near Sulphur Yard South East Side	68.1	54.8
8	Near Rail Loading Dispatch South East Side	72.9	52.1
9	Near CPP North East Side	70.5	55.9
10	Near Poly Propylene Dispatch Area	69.2	54.6
11	Near Ecological Pond Area	68.8	56.2
12	Near Refinery Flare Area	73.4	69.4
13	Near Petchem Flare Area	74.1	68.7
14	Near Cool Heading Yard	68.9	54.2
15	Battery Limits DFCU	71.5	61.8
<b>Permissible Limit in *dB(A) Leq For Industrial Area</b>		<b>75 dB(A)</b>	<b>70 dB(A)</b>

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.

CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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

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## TEST REPORT

Test Report of Ambient Noise	Report Code	Date of Issue
Issued to	AN-050225-09	05/02/2025
Date of Sampling & Time	M/s HPCL-Mittal Energy Limited, Village-Phullokhar, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India	
Name of the Location	30/01/2025	
	HMEI REFINERY	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	71.2	55.6
2	Near Fire Water Reservoir	68.5	54.1
3	Near Road Crude Oil Tanks	72.1	53.3
4	Near ETP-1 (Refinery)	71.3	56.2
5	Near ETP-2 (Petchem)	72.1	54.1
6	Near Storm Water Pond East Side	70.3	52.6
7	Near Sulphur Yard South East Side	69.8	53.1
8	Near Rail Loading Dispatch South East Side	71.5	54.3
9	Near CPP North East Side	68.6	55.4
10	Near Poly Propylene Dispatch Area	71.5	56.1
11	Near Ecological Pond Area	70.3	58.1
12	Near Refinery Flare Area	72.5	67.3
13	Near Petchem Flare Area	73.2	55.7
14	Near Cool Heading Yard	67.1	59.5
15	Battery Limits DFCU	70.1	57.1
Permissible Limit in *dB(A) Leq For Industrial Area		75 dB(A)	70 dB(A)

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.  
CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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**TEST REPORT**

<b>Test Report of</b>	<b>Report Code</b>	<b>Date of Issue</b>
<b>Ambient Noise</b>	<b>AN-060325-09</b>	<b>06/03/2025</b>
Issued to	<b>M/s HPCL-Mittal Energy Limited, Village-Phullokhar, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India</b>	
Date of Sampling & Time	<b>06/02/2025</b>	
Name of the Location	<b>HMEL REFINERY</b>	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	71.1	56.8
2	Near Fire Water Reservoir	67.9	55.3
3	Near Road Crude Oil Tanks	73.5	52.1
4	Near ETP-1 (Refinery)	70.8	57.2
5	Near ETP-2 (Petchem)	71.6	55.9
6	Near Storm Water Pond East Side	72.8	54.1
7	Near Sulphur Yard South East Side	70.3	56.5
8	Near Rail Loading Dispatch South East Side	72.5	54.3
9	Near CPP North East Side	69.1	52.9
10	Near Poly Propylene Dispatch Area	72.7	54.5
11	Near Ecological Pond Area	68.1	53.9
12	Near Refinery Flare Area	72.8	56.1
13	Near Petchem Flare Area	74.5	55.5
14	Near Cool Heading Yard	69.1	56.2
15	Battery Limits DFCU	72.6	57.2
<b>Permissible Limit in *dB(A) Leq For Industrial Area</b>		<b>75 dB(A)</b>	<b>70 dB(A)</b>

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.  
CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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

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Test Report of Ambient Noise	Report Code	Date of Issue
Issued to	AN-070425-09	07/04/2025
Date of Sampling & Time	M/s HPCL-Mittal Energy Limited, Village-Phullokhari, Taluka-TalwandiSaboo, Distt. Bhatinda(Punjab) India	
Name of the Location	22/03/2025 HMEL REFINERY	

Sr. No.	Location	Test Result dB(A) Day Time	Test Result dB(A) Night Time
1	Near Refinery Main Gate	72.9	55.2
2	Near Fire Water Reservoir	68.5	56.9
3	Near Road Crude Oil Tanks	71.8	54.1
4	Near ETP-1 (Refinery)	72.3	56.5
5	Near ETP-2 (Petchem)	74.6	53.8
6	Near Storm Water Pond East Side	70.4	54.1
7	Near Sulphur Yard South East Side	72.1	55.9
8	Near Rail Loading Dispatch South East Side	70.9	53.7
9	Near CPP North East Side	68.2	54.2
10	Near Poly Propylene Dispatch Area	73.5	53.9
11	Near Ecological Pond Area	69.1	52.2
12	Near Refinery Flare Area	70.8	68.0
13	Near Petchem Flare Area	73.1	69.2
14	Near Cool Heading Yard	68.6	56.8
15	Battery Limits DFCU	71.9	58.3
Permissible Limit in *dB(A) Leq For Industrial Area		75 dB(A)	70 dB(A)

\*dB (A) Leq denotes the time weighted average of the level of sound in decibel on scale 'A' which is relatable to human hearing.  
CPCB = Central Pollution Control Board

Note: The Noise Ambient Air Quality Standards are given for reference

Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

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

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<b>Activities undertaken for improving socio-economic condition in the surrounding areas from Oct'24 to Mar'2025</b>		
<b>CSR Pillars</b>	<b>Beneficiaries</b>	<b>Remarks</b>
Community Healthcare & Hygiene	25626	Medical camps; Promoting Sports among youth; Support of Fitness Equipments; Road Safety initiatives; Support of Mobile Toilets; Support to Drug de addiction Centre and Bal Bhawan; Road cleaning and Housekeeping; Personal Hygiene Awareness among Girls and Women; Anemia Screening and Awareness Session;
Livelihood and Sustainable Development	30132	Women Empowerment initiatives; Women Entrepreneurship initiatives; Animal Camp; livestock breed competition.
<b>Total</b>	<b>55758</b>	



Photographs for activities undertaken for improving socio-economic condition in the surrounding areas from Oct'24 to Mar'2025

<p><b>Livelihood and Sustainable Development (Animal health checkup camp)</b></p>	<p><b>Livelihood and Sustainable Development (Women Entrepreneurship initiatives)</b></p>
	
<p><b>Community Healthcare &amp; Hygiene (Support of Fitness Equipments)</b></p>	<p><b>Community Healthcare &amp; Hygiene (Anemia Screening and Awareness Session)</b></p>
	
<p><b>Livelihood and Sustainable Development (Livestock Breed Competition)</b></p>	<p><b>Community Healthcare &amp; Hygiene (Personal Hygiene Awareness Session)</b></p>
	

**Annexure-IV**

<b>Activities undertaken for community welfare including eco-developmental measures in the surrounding areas from Oct'24 to Mar'2025</b>		
<b>CSR Pillars</b>	<b>Beneficiaries</b>	<b>Remarks</b>
Education Development	31678	Drinking Water arrangement in schools; Coaching for Underprivileged Students for higher studies in Engineering institutions; Library books for Govt. schools; Installed Rides & Swing (Play equipment); Sports and Drawing Competition for Govt. Schools; Bicycle for Girls Students; Bicycle for Girls Students; Infrastructure support to Education institutions (Supply Items); Scholarship & Other support to Meritorious students for 10th & 12th class students; Setup of Smart interactive Boards in Govt. Schools; Toilet Constructions in Schools; Infrastructure facility support to Jain College Raman; Support to Red Cross society for providing education to special abled children; Govt. School Development
Community infrastructure and Environment	12053	Community level rural development work; Tree Guards & Concrete Benches; Support to community Institutions
<b>Total</b>	<b>43731</b>	

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

<p><b>Education Development (Bicycle for Girls Students)</b></p> 	<p><b>Education Development (School Uniform &amp; Stationery distribution)</b></p> 
<p><b>Education Development (Scholarship to Meritorious Students)</b></p> 	<p><b>Education Development (Smart interactive Boards in Govt. Schools)</b></p> 
<p><b>Community infrastructure and Environment (Govt. School Development)</b></p> 	<p><b>Community infrastructure and Environment (Community level rural development work)</b></p> 



**CoOrdinator Chd**

---

**From:** Environment Team  
**Sent:** 02 December 2024 11:14  
**To:** ecompliance-nro@gov.in  
**Cc:** ronz.chd-mef@nic.in; 'seezobti@gmail.com'; RO Bathinda; CoOrdinator Chd; Ravi Deshwal; Gohil Ravirajsinh Bharatsinh  
**Subject:** Six Monthly EC Compliance Report of GGSPAP from Apr'24 to Sep'24  
**Attachments:** Six Monthly EC compliance report\_GGSPAP.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:** 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 Apr'24 to Sep'24, for the conditions stipulated in Environment Clearance of Guru Gobind Singh Polymer Addition Project, at Guru Gobind Singh Refinery Complex.  
Best Regards,

Thanks & Regards,  
Environment Team,  
HPCL-Mittal Energy Limited  
Bathinda.

received by  
g. n. d. s.  
06/12/24