

## Deepak Rajput

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**From:** Environment Team  
**Sent:** 05 December 2025 12:02  
**To:** eccompliance-nro@gov.in  
**Cc:** narendersharma.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.

9/2



Date: 3<sup>rd</sup> December 2025

Ref: HMEL-OE-40-ENV 1298

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'25 to Sept'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, Faridkot/ Bathinda, Punjab.

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

**Enclosure:** Environment Compliance report (Apr'25 to Sept'25) of Polymer Addition Project at Guru Gobind Singh Refinery.

**Annexure I:** Copy of applications under Air & Water of CTO (Consent to operate)

**Annexure II:** Month wise data of ambient air quality (for the period of Apr'25 to Sept'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 Oct'24 to Mar'25.

8/2  
09/12/25

HPCL-Mittal Energy Limited

Corporate Office:- INOX Towers, Plot No. 17, Sector 16-A, NOIDA-201301 (U.P.) INDIA. Tel: + 91 120 4634500, Fax: +91 120 4271940 Website: [www.hmeli.in](http://www.hmeli.in)  
Regd. Office: Village Phulokhari, Taluka Talwandi Saboo, Bathinda, Punjab-151301 • CIN: U23201PR2000PLC024126

# **ENVIRONMENT CLEARANCE COMPLIANCE AND MONITORING REPORTS**

**Six Monthly EC Compliance Report**

**(Apr'25 to Sept'25)**

**Guru Gobind Singh Polymer Addition Project (GGSPAP)**

**(HPCL-Mittal Energy Limited)**

**Bathinda, (Punjab), India**

**Six Monthly EC Compliance Report for the period of Apr'2025 to Sept'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). CTO (Air & Water) renewal application has already been applied and is currently under the approval of the PPCB. A copy of the same is attached as <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) dates 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 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: <ol style="list-style-type: none"> <li>Metering and control of quantities of active ingredients to minimize waste</li> <li>Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>Use of automated filling to minimize spillage</li> <li>Use of Close Feed system into batch reactors</li> <li>Venting equipment through vapour recovery system</li> <li>Use of high pressure hoses for equipment clearing to reduce wastewater generation.</li> </ol>	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 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 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 <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 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, silences, enclosures etc. are implemented to ensure that the ambient noise levels conform 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 Annexure III.
(x)	The company shall undertake eco-development measures including community welfare measures in the	Complied.

	project area for the overall improvement of the environment.	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 (Oct'24 to Mar'25) was submitted vide letter no. HMEL-OE-40-ENV 1242 on dated 29 <sup>th</sup> May 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> <a href="#">Annexure V</a>
(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 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. <a href="https://www.hmel.in/wp-content/uploads/2025/10/Environmental-Statement-Form-V_2024-25_HMEL.pdf">https://www.hmel.in/wp-content/uploads/2025/10/Environmental-Statement-Form-V_2024-25_HMEL.pdf</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	Complied The copy of the advertisement publishing the accordance of Environmental Clearance by MoEF&CC in the two local widely circulated

	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 forwarded to other concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	newspaper namely Tribune Bathinda (English) and Ajit (Punjabi) was done on 15 <sup>th</sup> 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 the period of Apr'25 to Sep'25 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.

# **ANNEXURE-I**

## **PUNJAB POLLUTION CONTROL BOARD**

**Application form for obtaining 'Consent to establish' (NOC) /'Consent to Operate' u/s 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of the Air(Prevention & Control of Pollution) Act, 1981/Authorization under Rule 6 (1) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.**

**Industry ID :- R12BTI44706  
Application ID :- 28057490**

**From:**

HPCL-Mittal Energy Limited (Guru Gobind Singh Refinery )  
Village Phullokari,Taluka Talwandi Saboo,  
TALWANDI SABO  
BATHINDA

**To**

The Member Secretary,  
Punjab Pollution Control Board,  
Patiala.

I/We hereby, apply for obtaining,

- (i) 'Consent to establish' (NOC) under the provisions of the Water(Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.
- (ii) 'Consent to operate' u/s 25/26 of the Water(Prevention & Control of Pollution) Act, 1974.
- (iii) 'Consent to operate' u/s 21 of the Air(Prevention & Control of Pollution)Act,1981.
- (iv) Authorization under Rule 6 (1) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

1. The detailed information pertaining to my/our industry/project is given in the Annexure-I to this form attached herewith.
2. I/We undertake to furnish any further information sought by the Board from time to time in connection with this application.
3. I/We undertake to obtain revised/varied/fresh consent as the case may be, in case there is any change in the process/product/effluents/hazardous waste etc. before the aforesaid change is affected.

4. I/We that the information furnished herewith is correct to best of my/our knowledge and nothing has been concealed therein. The Board would be at liberty to take penal action against the industry/project and the person(s) responsible to comply with the provisions of the pollution control statuets in case information/document is detected as incorrect/false/misleading at any point of time.

5. I/We hereby agree to apply for obtaining renewal of 'consent to operate' (NOC) under the Air(Prevention & Control of Pollution) Act, 1981 and authorization under the Hazardous Wastes(management, Handling and Trans-boundry Movement)Rules, 2008 three months before the expiry of the previous consent(s)/authorization granted to the industry/project.

**Date: 25/09/2025**

**Signature of Applicant:**

**Name: Sanket Thapar**

**Designation: Deputy General Manager**

**Address: Talwandi Sabo**

**HPCL-Mittal Energy Limited Guru Gobind Singh**

**Refinery Project Village Phullokari, Taluka**

**Talwandi Saboo, District Bathinda**

**Bathinda**

**Punjab**

**Enclosures:**

1. OtherDocumentsAttachment
2. PhotoAttachment
3. ElectricityBillsAttachment
4. BankAccDetailsAttachment
5. GstNoAttachment
6. PanCardAttachment
7. Annexure-3
8. Annexure-2
9. Annexure-1
10. Clarification reply
11. Six monthly EC compliance report
12. Analysis Report of effluent/emission from Board /Approved Lab
13. CA s certificate regarding un-depreciated value of the fixed assets of the industry at the end of last financial year
  
14. Compliance report of previous consent conditions in annotated form
15. EnvirImpactAttach
16. CompleteMachAttach
17. FactoriesActAttach
18. PressNoteAttach

\*\* This is Computer Generated filled Application Form \*\*

## PART-A: GENERAL INFORMATION:

1. Name & Address of the Industry	:	HPCL-Mittal Energy Limited (Guru Gobind Singh Refinery ) Village Phullokari,Taluka Talwandi Saboo, TALWANDI SABO,BATHINDA
2. Name & Designation of the Applicant	:	Sanket Thapar/Deputy General Manager
3. (i) Name(s) and Designation of the Occupier	:	Sanket Thapar/Deputy General Manager
(ii) Name(s) and Designation of the Director(s)/ Partner(s)/ Proprietor	:	HPCL-Mittal Energy Limited Guru Gobind Singh Refinery Village Phullokari, Taluka Talwandi Saboo, District Bathinda - 151301 Punjab, India
(iii) Name(s) of person(s) authorized to sign the application form. (Please attach self attested copy of resolution/certificate)	:	Sanket Thapar
(iv) Ownership of Industry	:	Individual
4. Communication Details(Telephone No./Fax No./e-mail etc.)	:	01655-272899 - environment.team@hmel.in
5. Address of Correspondence	:	HPCL-Mittal Energy Limited,Guru Gobind Singh Refinery Project,Village Phullokari,Taluka Talwandi Saboo, District Bathinda. , Talwandi, Bathinda, 151301
6. Total investment of the industry/project		
(i) Total cost of the industry/project(in Lacs)	:	4245260.0
(ii) Cost of Plant & Machinery(in Lacs)	:	4087340.0
7. (i) Scale of the Industry(Large/Medium/Small)	:	Large
(ii) Category/Type of the Industry	:	RED / Oil Refinery
8. Name and address of the City/Town/Village/Plot/Khasra/Patwari Halka No. with PIN code where the project site is located	:	Village Phullokari,Taluka Talwandi Saboo, Bathinda Pin - 151301
9. (i) Total Land area of the industry/project (in square meters)	:	8063603
(ii) Built up area of the project(to be mentioned in case of construction/area development projects only) (in square meters)	:	

10. Whether the site of the industry/project is located within or outside the municipal limits (please attach a certificate from the M.C. in this regard) : Outside M.C. limit

11. Whether the site of the industry/project is situated in any Focal Points/Industrial Estate developed by the Govt. or any other authorized by the Govt. (please attach a copy of allotment letter of plot/land) : No

12. (i) Whether the site of the industry/project is located within the notified/draft Master Plan/LPA (Local planning Area) of any town/city and if yes, the classification of the area in which the site is located.(Please attach the certificate from the Deptt. of the Town & Country Planning, Punjab in this regard.) : No

(ii) In case the industry/project is not satisfied in the approved industrial area within the notified/draft Master Plan/LPA, whether it has obtained the change of land Use (CLU) from the competent authority of the State or not and if yes, please attach a copy of the same : Yes

(iii) In case the industry/project is not covered under (i) and (ii) above ; please attach a certificate from the deptt. of Town & Country Planning, Punjab regarding the classification of the area in which the site is located and whether CLU is required or not : No

13. Whether the industry/project is located in Critically Polluted Area or not and if yes, please indicate the code assigned to the industry by the CPCB/MoEF : NO

14. Month and Year in which the industry was commissioned/is likely to be commissioned : Apr/2012

15. Undepreciated value of the fixed assets of the industry (Please indicate the date as on which the value of fixed assets has been considered) (Applicable in the cases of 'consent to operate' only) : Rs. 5403237.0 (in Lakhs)  
Date:- 30-06-2025

16. Details of consent fee deposited:

Sr. No.	Fee For	Amount (In Rupees)
1	CTO Air	8640000.0

17. Total No. of average working days in a year and total no. of working shifts per day : 365 days / 3 shifts

18. (a) Total No. of Workers including officials working in industry : 1644

(b) No. of Workers and officials residing in the industrial premises: 0

(c) Total population to be served, (i) during construction phase :  
(ii) during operation phase :

(To be mentioned in case of construction/area development projects only)

19. Whether the industry/project:

(i) is covered under the Environment Impact Assessment (EIA) Notification dated 14.9.2006 as amended from time to time or not and if yes, the status of obtaining environment clearance from MoEF/State Level Environment Impact Assessment Authority : NO /

(ii) is covered under the 1st Schedule of Factories Act, 1948 or not if yes, the status of obtaining site clearance from SCA-cum-SAC : NO /

(iii) is covered under Press Note-17 (1984 series) or not and if yes, the status of obtaining the environmental from SCA-cum-SAC : NO /

20. Whether the industry has the complete machinery for which it had obtained 'consent to establish'(NOC) from the Board or not and if not, the details thereof. (To be filled up in case of 'consent to operate' cases only) : NO /

21. Inspection Audit Type :

Last Consent Details:

Sr. No.	Application Type	Application For	Consent No	Consent For	Date of Issue	Valid Upto
1	CTO	New	ZO-BTI/BTI/AP C/2010/F-19	Air	23/01/2013	31/12/2015

2	CTO	Renew	R16BTICT OA3534916	Air	31/05/2016	31/03/2018
3	CTE	Expansion	ZO/BTI/201 5/NOC/Exp-	Air/Water/H WM	07/09/2015	06/09/2016
4	CTE	Extension	CTE/Ext/BT I/2017/4633 261	Air/Water/H WM	22/02/2017	06/09/2017
5	CTO	Varied	CTOA/Varie d/BTI/2017/ 5661462	Air	28/07/2017	31/03/2018
6	CTO	Varied	CTOW/Vari ed/BTI/201 7/5671986	Water	05/07/2017	31/03/2018
7	CTO	Renew	CTOA/Ren ewal/BTI/20 19/9511030	Air	29/07/2019	31/03/2022
8	CTO	Renew	CTOW/Ren ewal/BTI/20 19/9511579	Water	29/07/2019	31/03/2022
9	CTO	Renew	CTOW/Varr ied/BTI/201 8/6992482	Water	05/07/2018	31/03/2019
10	CTO	New		Air	17/05/2019	17/05/2019
11	CTE	Expansion	CTE/Exp/B TI/2018/756 8763	Air/Water/H WM	24/07/2018	23/07/2019
12	CTE	Modernizati on	CTE/Mod/B TI/2019/968 1349	Air/Water/H WM	06/05/2019	05/05/2020
13	CTO	Varied	CTE/Ext/BT I/2017/6186 960	Water	06/05/2019	05/05/2020
14	CTO	Renew	CTOW/Vari ed/BTI/202 0/12564784	Water	30/07/2020	31/03/2021
15	CTO	Renew	CTOA/Varie d/BTI/2020/ 12564518	Air	30/10/2020	31/03/2021

## PART-B: TECHNICAL INFORMATION(GENERAL):

### 1. Raw Material & Chemicals Details:

Sr. No.	Name of the Raw-material/Chemicals used/to be used	Quantity of the Raw-material/Chemicals used/being used	Unit
1	Crude Oil	33750	Metric Tonnes/Day

### 2. Production Detail:

Sr. No.	Name of the Product produced/to be produced	Quantity of Products produced/to be produced.			
		Licensed production capacity	Installed Production Capacity	Avg. Actual Production	Average Actual production for which the consent is sought
1	LPG	Metric Tonnes/Day		1780	1780
2	ATF	Metric Tonnes/Day		1200	1200
3	KEROSEN E	Metric Tonnes/Day		300	300
4	DIESEL	Metric Tonnes/Day		11838	11838
5	SULPHUR E	Metric Tonnes/Day		641	641
6	COKE	Metric Tonnes/Day		1695	1695
7	HEXANE	Metric Tonnes/Day		15	15
8	Poly Propylene	Metric Tonnes/Day		1400	1400
9	Motot Turpentine Oil	Metric Tonnes/Day		75	75
10	Bitumen	Metric Tonnes/Day		1500	1500
11	HDPE/LLD PE	Metric Tonnes/Day		3586	3586
12	PP-Regular	Metric Tonnes/Day		974	974
13	PP-Impact	Metric Tonnes/Day		450	450

14	Benzene	Metric Tonnes/Day		237		237
15	Mixed Xylenes	Metric Tonnes/Day		483		483
16	Low Sulphur Fuel Oil	Metric Tonnes/Day		45		45
17	Gasoline	Metric Tonnes/Day		2980		2980

Sr. No.	Name of the By-Products produced/to be produced	Quantity of By-Products produced/to be produced.			
		Licensed production capacity	Installed Production Capacity	Avg. Actual Production	Average Actual production for which the consent is sought
-----NIL-----					

**3. Details of Power Load/power consumption:**

- (i) Total power load available with the : 0 industry(in KW)
- (ii) Power Load required by the industry(in : 0 KW)
- (iii) Estimated power consumption for : 0 intended production per day(in Units consumed per day)

**4. Manufacturing Processes involved :** /

(please attach separate sheet, in case the space provided herein with is insufficient)

**5. Solid Waste Generation Details:**

Sr. No.	Source of Generation of Solid Waste	Nature/Type of solid waste	Quantity of Solid Waste generated/to be generated per day	Mode of Disposal
-----NIL-----				

**PART-D: TECHNICAL INFORMATION REQUIRED FOR CONSENT UNDER AIR ACT,1981 :**

**1. Sources of Air Pollution :**

**(a)Boilers/Furnaces :**

Sr. No.	Type & Capacity of Boiler/Furnace		Type & Quantity of fuel used/to be used (in TPH and TPD/lts/day)		Details of APCD provided/to be provided	Stack Attached	Height of Stack attached /to be attached (in mts.)	Diameter of Stack at Bottom level	Diameter of Stack at Top level	Whether emission sampling facilities provided or not	
1	CPP (Captiv e Power Plant) Boiler	240	TPH	Naphtha/LCO/ Fuel Gas/NG	1177	Not Required	UB-1	100	3	3	Yes
2	CPP (Captiv e Power Plant) Boiler	240	TPH	Naphtha/LCO/ Fuel Gas/NG	1177	Not Required	UB-2	100	3	3	Yes
3	CPP (Captiv e Power Plant) Boiler	240	TPH	Naphtha/LCO/ Fuel Gas/NG	1177	Not Required	UB-3	100	3	3	Yes
4	CPP (Captiv e Power Plant) Boiler	240	TPH	Naphtha/LCO/ Fuel Gas/NG	1177	Not Required	UB-4	100	3	3	Yes
5	CPP (Captiv e Power Plant) Boiler	300	TPH	PET COKE	28.14	Electrostatic Precipitator	UB-5	130	3.25	3.25	Yes
6	CPP (Captiv e Power Plant) Boiler	300	TPH	PET COKE	28.14	Electrostatic Precipitator	UB-6	130	3.25	3.25	Yes

**(b) D.G Sets :**

Sr. No.	Capacity of D.G. set in(KVA)	Quantity of Fuel used/to be used (in Lts./day)	Ht. of Stack provided/to be provided above roof level(in mts.)	Whether canopy/acoustic enclosure provided/ to be provided(please define clearly)
1	3520	14498	30	Yes
2	1010	4160	37	Yes

3	8250	24000	30	Yes
4	8250	24000	30	Yes

**(c) Process Emissions: :**

Sr. No.	Source of Generation of process Emissions	Name of the emissions(i.e SO <sub>2</sub> /NO <sub>x</sub> /Acid Mist/any other).	Details of APCD provided/to be provided to control process emissions.	Height of Stack provided/to be provided for discharge of process emissions(in mts)..		Whether emission sampling facilities provided or not
				Above Ground Level	Above Roof Level	
1	CDU/VDU	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	85	80	Yes
2	FCCU Heater	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	85	80	Yes
3	FCCU-Regeneration	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	42	37	Yes
4	HGU Train-1	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	65	60	Yes
5	HGU Train-2	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	65	60	Yes
6	Naphtha Superheater	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	30	25	Yes
7	NHT	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	50	45	Yes
8	CCR	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	68	63	Yes
9	SRU Incinerator Train-1	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	88	Yes
10	SRU Incinerator Train-2	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	88	Yes
11	VGO-HDT	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	65	60	Yes
12	DHDT-1	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	75	70	Yes
13	DHDT-2	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	60	55	Yes

14	DCU	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	65	60	Yes
15	UB-1	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	95	Yes
16	UB-2	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	95	Yes
17	UB-3	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	95	Yes
18	UB-4	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	100	95	Yes
19	UB-5	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Electrostatic Precipitator]	130	125	Yes
20	UB-6	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Electrostatic Precipitator]	130	125	Yes
21	HRSG-1	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	35	30	Yes
22	HRSG-2	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	35	30	Yes
23	Bitumen Blowing Unit (BBU)	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Alkali Scrubber]	60	55	Yes
24	FF-1111	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
25	FF-1112	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
26	FF-1113	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
27	FF-1114	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
28	FF-1115	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
29	FF-1116	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes
30	FF-1117	SO <sub>2</sub> /NO <sub>x</sub> /C O/SPM	[Others]	70	60	Yes

**2. Characteristics of Emissions :**

**(i) Flue gas Emissions :**

Sr. No.	Stack	Parameters	Cone. of pollutants	Units
---------	-------	------------	---------------------	-------

			Untreated	Treated	
			-----NIL-----		

**(ii) Process Emissions:**

Sr. No.	Process	Parameters	Conc. of pollutants		Units
			Untreated	Treated	
			-----NIL-----		

**3. Power consumption details of Air Pollution Control devices: :**

(i) Total power load to Air Pollution Control : 0  
Devices(in KW)

(ii) Average daily power consumption on Air : 0  
Pollution Control Devices(i.e. no. of units  
consumed per hr.& per day)

**Date: 25/09/2025**

**Signature of Applicant:**

**Name: Sanket Thapar**

**Designation: Deputy General Manager**

**Address: Talwandi Sabo**

\*\* This is Computer Generated filled Application Form \*\*

\*\* This is Computer Generated filled Application Form \*\*

<b>Additional Details</b>	
Photo(Occupier/ Owner)	
	<b>Photograph</b>
Aadhar Card(Occupier/Owner)	*****
Industry Pan Card	AABCG5231F
Industry GST No.(Occupier/Owner)	G.S.T Applicable, 03AABCG5231F1Z8
Bank Account Details(Industry/Owner)(Name and Passbook)	State Bank of India
Occupier Details(S/O, D/O)(Occupier/Owner)	S/O Bhrigu Nandan Thapar
Electricity Bills(Include the Electricity Bills no.,PSPCL Consumer ID, Sub-division name With latest bill attachment.)(Occupier/Owner)	1007577954
Permanent Address(Occupier/ Owner)	HMEL Township
Other Documents(Passport/ Driving Licence/)(Occupier/Owner)	Driving Licence

# **PUNJAB POLLUTION CONTROL BOARD**

**Application form for obtaining 'Consent to establish' (NOC) /'Consent to Operate' u/s 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of the Air(Prevention & Control of Pollution) Act, 1981/Authorization under Rule 6 (1) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.**

**Industry ID :- R12BTI44706  
Application ID :- 28052089**

**From:**

HPCL-Mittal Energy Limited (Guru Gobind Singh Refinery )  
Village Phullokari, Taluka Talwandi Saboo,  
TALWANDI SABO  
BATHINDA

**To**

The Member Secretary,  
Punjab Pollution Control Board,  
Patiala.

I/We hereby, apply for obtaining,

- (i) 'Consent to establish' (NOC) under the provisions of the Water(Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.
- (ii) 'Consent to operate' u/s 25/26 of the Water(Prevention & Control of Pollution) Act, 1974.
- (iii) 'Consent to operate' u/s 21 of the Air(Prevention & Control of Pollution)Act,1981.
- (iv) Authorization under Rule 6 (1) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

1. The detailed information pertaining to my/our industry/project is given in the Annexure-I to this form attached herewith.
2. I/We undertake to furnish any further information sought by the Board from time to time in connection with this application.
3. I/We undertake to obtain revised/varied/fresh consent as the case may be, in case there is any change in the process/product/effluents/hazardous waste etc. before the aforesaid change is affected.

4. I/We that the information furnished herewith is correct to best of my/our knowledge and nothing has been concealed therein. The Board would be at liberty to take penal action against the industry/project and the person(s) responsible to comply with the provisions of the pollution control statuets in case information/document is detected as incorrect/false/misleading at any point of time.

5. I/We hereby agree to apply for obtaining renewal of 'consent to operate' under the water (Prevention & Control of Polution)Act, 1974 and authorization under the Hazardous Wastes(management, Handling and Trans-boundry Movement)Rules, 2008 three months before the expiry of the previous consent(s)/authorization granted to the industry/project.

**Date: 25/09/2025**

**Signature of Applicant:**

**Name: Sanket Thapar**

**Designation: Deputy General Manager**

**Address: Talwandi Sabo**

HPCL-Mittal Energy Limited Guru Gobind Singh  
Refinery Project Village Phullokari, Taluka  
Talwandi Saboo, District Bathinda

Bathinda

Punjab

**Enclosures:**

1. OtherDocumentsAttachment
2. PhotoAttachment
3. ElectricityBillsAttachment
4. BankAccDetailsAttachment
5. GstNoAttachment
6. PanCardAttachment
7. Annexure-3
8. Annexure-2
9. Annexure-1
10. Clarification reply
11. Six monthly EC compliance report
12. Analysis Report of effluent/emission from Board /Approved Lab
13. CA s certificate regarding un-depreciated value of the fixed assets of the industry at the end of last financial year
14. Compliance report of previous consent conditions in annotated form
15. EnvirImpactAttach
16. CompleteMachAttach
17. FactoriesActAttach
18. PressNoteAttach

\*\* This is Computer Generated filled Application Form \*\*

## PART-A: GENERAL INFORMATION:

1. Name & Address of the Industry	:	HPCL-Mittal Energy Limited (Guru Gobind Singh Refinery ) Village Phullokari,Taluka Talwandi Saboo, TALWANDI SABO,BATHINDA
2. Name & Designation of the Applicant	:	Sanket Thapar/Deputy General Manager
3. (i) Name(s) and Designation of the Occupier	:	Sanket Thapar/Deputy General Manager
(ii) Name(s) and Designation of the Director(s)/ Partner(s)/ Proprietor	:	HPCL-Mittal Energy Limited Guru Gobind Singh Refinery Village Phullokari, Taluka Talwandi Saboo, District Bathinda - 151301 Punjab, India
(iii) Name(s) of person(s) authorized to sign the application form. (Please attach self attested copy of resolution/certificate)	:	Sanket Thapar
(iv) Ownership of Industry	:	Individual
4. Communication Details(Telephone No./Fax No./e-mail etc.)	:	01655-272899 environment.team@hmel.in
5. Address of Correspondence	:	HPCL-Mittal Energy Limited,Guru Gobind Singh Refinery Project,Village Phullokari,Taluka Talwandi Saboo, District Bathinda., Talwandi, Bathinda, 151301
6. Total investment of the industry/project		
(i) Total cost of the industry/project(in Lacs)	:	4245260.0
(ii) Cost of Plant & Machinery(in Lacs)	:	4087340.0
7. (i) Scale of the Industry(Large/Medium/Small)	:	Large
(ii) Category/Type of the Industry	:	RED / Oil Refinery
8. Name and address of the City/Town/Village/Plot/Khasra/Patwari Halka No. with PIN code where the project site is located	:	Village Phullokari,Taluka Talwandi Saboo, Bathinda Pin - 151301
9. (i) Total Land area of the industry/project (in square meters)	:	8063603
(ii) Built up area of the project(to be mentioned in case of construction/area development projects only) (in square meters)	:	

10. Whether the site of the industry/project is located within or outside the municipal limits (please attach a certificate from the M.C. in this regard) : Outside M.C. limit

11. Whether the site of the industry/project is situated in any Focal Points/Industrial Estate developed by the Govt. or any other authorized by the Govt. (please attach a copy of allotment letter of plot/land) : No

12. (i) Whether the site of the industry/project is located within the notified/draft Master Plan/LPA (Local planning Area) of any town/city and if yes, the classification of the area in which the site is located.(Please attach the certificate from the Deptt. of the Town & Country Planning, Punjab in this regard.) : No

(ii) In case the industry/project is not satisfied in the approved industrial area within the notified/draft Master Plan/LPA, whether it has obtained the change of land Use (CLU) from the competent authority of the State or not and if yes, please attach a copy of the same : Yes

(iii) In case the industry/project is not covered under (i) and (ii) above ; please attach a certificate from the deptt. of Town & Country Planning, Punjab regarding the classification of the area in which the site is located and whether CLU is required or not : No

13. Whether the industry/project is located in Critically Polluted Area or not and if yes, please indicate the code assigned to the industry by the CPCB/MoEF : NO

14. Month and Year in which the industry was commissioned/is likely to be commissioned : Apr/2012

15. Undepreciated value of the fixed assets of the industry (Please indicate the date as on which the value of fixed assets has been considered) (Applicable in the cases of 'consent to operate' only) : Rs. 5403237.0 (in Lakhs)  
Date:- 30-06-2025

16. Details of consent fee deposited:

Sr. No.	Fee For	Amount (In Rupees)
1	CTO Water	8640000.0

17. Total No. of average working days in a year and total no. of working shifts per day : 365 days / 3 shifts

18. (a) Total No. of Workers including officials working in industry : 1644

(b) No. of Workers and officials residing in the industrial premises: 0

(c) Total population to be served, (i) during construction phase :  
(ii)during operation phase :

(To be mentioned in case of construction/area development projects only)

19. Whether the industry/project:

(i) is covered under the Environment Impact Assessment (EIA) Notification dated 14.9.2006 as amended from time to time or not and if yes, the status of obtaining environment clearance from MoEF/State Level Environment Impact Assessment Authority : NO /

(ii) is covered under the 1st Schedule of Factories Act, 1948 or not if yes, the status of obtaining site clearance from SCA-cum-SAC : NO /

(iii) is covered under Press Note-17 (1984 series) or not and if yes, the status of obtaining the environmental from SCA-cum-SAC : NO /

20. Whether the industry has the complete machinery for which it had obtained 'consent to establish'(NOC) from the Board or not and if not, the details thereof. (To be filled up in case of 'consent to operate' cases only) : NO /

21. Inspection Audit Type :

Last Consent Details:

Sr. No.	Application Type	Application For	Consent No	Consent For	Date of Issue	Valid Upto
1	CTO	New	ZO-BTI/BTI/APC/2010/F-19	Air	23/01/2013	31/12/2015

2	CTO	Renew	R16BTICT OA3534916	Air	31/05/2016	31/03/2018
3	CTE	Expansion	ZO/BTI/201 5/NOC/Exp-	Air/Water/H WM	07/09/2015	06/09/2016
4	CTE	Extension	CTE/Ext/BT I/2017/4633 261	Air/Water/H WM	22/02/2017	06/09/2017
5	CTO	Varied	CTOA/Varie d/BTI/2017/ 5661462	Air	28/07/2017	31/03/2018
6	CTO	Varied	CTOW/Vari ed/BTI/201 7/5671986	Water	05/07/2017	31/03/2018
7	CTO	Renew	CTOA/Ren ewal/BTI/20 19/9511030	Air	29/07/2019	31/03/2022
8	CTO	Renew	CTOW/Ren ewal/BTI/20 19/9511579	Water	29/07/2019	31/03/2022
9	CTO	Renew	CTOW/Varr ied/BTI/201 8/6992482	Water	05/07/2018	31/03/2019
10	CTO	New		Air	17/05/2019	17/05/2019
11	CTE	Expansion	CTE/Exp/B TI/2018/756 8763	Air/Water/H WM	24/07/2018	23/07/2019
12	CTE	Modernizati on	CTE/Mod/B TI/2019/968 1349	Air/Water/H WM	06/05/2019	05/05/2020
13	CTO	Varied	CTE/Ext/BT I/2017/6186 960	Water	06/05/2019	05/05/2020
14	CTO	Renew	CTOW/Vari ed/BTI/202 0/12564784	Water	30/07/2020	31/03/2021
15	CTO	Renew	CTOA/Varie d/BTI/2020/ 12564518	Air	30/10/2020	31/03/2021

## PART-B: TECHNICAL INFORMATION(GENERAL):

### 1. Raw Material & Chemicals Details:

Sr. No.	Name of the Raw-material/Chemicals used/to be used	Quantity of the Raw-material/Chemicals used/being used	Unit
1	Crude Oil	33750	Metric Tonnes/Day

### 2. Production Detail:

Sr. No.	Name of the Product produced/to be produced	Quantity of Products produced/to be produced.			
		Licensed production capacity	Installed Production Capacity	Avg. Actual Production	Average Actual production for which the consent is sought
1	LPG	Metric Tonnes/Day		1780	1780
2	ATF	Metric Tonnes/Day		1200	1200
3	Kerosene	Metric Tonnes/Day		300	300
4	Deisel	Metric Tonnes/Day		11838	11838
5	Sulphur	Metric Tonnes/Day		641	641
6	COKE	Metric Tonnes/Day		1695	1695
7	Hexane	Metric Tonnes/Day		15	15
8	Poly Propylene	Metric Tonnes/Day		1400	1400
9	Motor Turpentine Oil	Metric Tonnes/Day		75	75
10	Bitumen	Metric Tonnes/Day		1500	1500
11	HDPE/LLD PE	Metric Tonnes/Day		3586	3586
12	PP-Regular	Metric Tonnes/Day		974	974
13	PP-Impact	Metric Tonnes/Day		450	450

14	Benzene	Metric Tonnes/Day		237		237
15	Mixed Xylenes	Metric Tonnes/Day		483		483
16	Low Sulphur fuel Oil	Metric Tonnes/Day		45		45
17	Gasoline	Metric Tonnes/Day		2980		2980

Sr. No.	Name of the By-Products produced/to be produced	Quantity of By-Products produced/to be produced.			
		Licensed production capacity	Installed Production Capacity	Avg. Actual Production	Average Actual production for which the consent is sought
-----NIL-----					

**3. Details of Power Load/power consumption:**

- (i) Total power load available with the : 0 industry(in KW)
- (ii) Power Load required by the industry(in : 0 KW)
- (iii) Estimated power consumption for : 0 intended production per day(in Units consumed per day)

**4. Manufacturing Processes involved : /**

(please attach separate sheet, in case the space provided herein with is insufficient)

**5. Solid Waste Generation Details:**

Sr. No.	Source of Generation of Solid Waste	Nature/Type of solid waste	Quantity of Solid Waste generated/to be generated per day	Mode of Disposal
-----NIL-----				

## **PART-C: TECHNICAL INFORMATION REQUIRED FOR CONSENT UNDER WATER ACT, 1974 :**

### **1. Source of Water Supply :**

(Own Tubewell/Municipal Supply/Surface Water)

Sr. No.	Source Type	Source Name	Quantity (KLD)
1	Canal Water	Kotla Canal	142848.0

### **2. Details of flow measuring devices provided by the industry/project**

- (i) for measurement of water consumed : FIT - 1001 Annubar Type Flow Indicator
- (ii) for measurement of,
  - (a) Waste water generated : FIT - 0201 Magnetic Type Flow Indicator
  - (b) Waste water recycled : FIT - 1409 Orifice Type Flow Indicator
  - (c) Waste water discharged : FIT - 10301 Orifice Type Flow Indicator

### **3. Water Consumption Details:**

Sr. No.	Water Consumed For	Quantity(KLD)
1	Domestic	2256.0
2	Cooling	116544.0
3	Process	15216.0
4	Boiler Feed	5184.0
5	Others	288.0

### **4. Wastewater Generation Details:**

Sr. No.	Wastewater Generated	Quantity(KLD)
1	Domestic	1080.0
2	Others	15096.0

### **5. Wastewater Treatment Details:**

Sr. No.	Use	Effluent Generation(KLD)	Treatment Arrangement Status	Treatment Details
1	Trade Effluent	15096.0	Yes	ETP
2	Domestic Effluent	1080.0	Yes	ETP

**6. Characteristics of Wastewater:**

Sr. No.	Type of Effluent	Parameters	Conc. of Pollutant		Unit
			Untreated	Treated	
-----NIL-----					

**7. Treated Wastewater Disposal Details:**

Sr. No.	Wastewater Disposal System	Quantity	Mode of Disposal(please indicate the land area in acres in case of disposal onto land for plantation/irrigation)
(i)	Wastewater being / to be recycled with or without treatment	0	
(ii)	Wastewater being/ to be discharged after treatment		
1	Trade Effluent	15096.0	Treated effluent is being used for green belt inside GGSR only.
2	Domestic Effluent	1080.0	Treated effluent is being used for green belt inside GGSR only.

**8. Power consumption details of wastewater treatment facilities :**

- (i) Total power load connected to Wastewater treatment facilities(in KW) : 0
- (ii) Average daily power consumption on wastewater treatment facilities(i.e. no. of units consumed/day) : 0

**Date: 25/09/2025**

**Signature of Applicant:**

**Name: Sanket Thapar**

**Designation: Deputy General Manager**

**Address: Talwandi Sabo**

**\*\* This is Computer Generated filled Application Form \*\***

**\*\* This is Computer Generated filled Application Form \*\***

<b>Additional Details</b>	
Photo(Occupier/ Owner)	
	Photograph
Aadhar Card(Occupier/Owner)	*****
Industry Pan Card	AABCG5231F
Industry GST No.(Occupier/Owner)	G.S.T Applicable, 03AABCG5231F1Z8
Bank Account Details(Industry/Owner)(Name and Passbook)	State Bank of India
Occupier Details(S/O, D/O)(Occupier/Owner)	S/O Bhrigu Nandan Thapar
Electricity Bills(Include the Electricity Bills no.,PSPCL Consumer ID, Sub-division name With latest bill attachment.)(Occupier/Owner)	1007577954
Permanent Address(Occupier/ Owner)	HMEL Township
Other Documents(Passport/ Driving Licence/)(Occupier/Owner)	Driving Licence

## **ANNEXURE-II**

Monthly Average AAQMS Data of GGSR for April'2025 to Sept'2025							
Parameter		SO <sub>2</sub>	NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	BENZENE	Ethyl BENZENE
Station No.	Month	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
AAQMS 1	Apr-25	16.04	17.02	124.69	72.60	3.47	2.74
AAQMS 2		13.65	18.97	98.34	62.03	2.82	2.48
AAQMS 3		9.79	25.78	139.74	53.43	2.63	2.64
AAQMS 4		9.51	24.26	155.61	51.96	3.12	2.63
AAQMS 5		14.79	17.26	116.60	51.14	1.88	2.85
Min		9.51	17.02	98.34	51.14	1.88	2.48
Max		16.04	25.78	155.61	72.60	3.47	2.85
Avg		12.76	20.66	127.00	58.23	2.79	2.67
CPCB limit		80	80	100	60	5	
AAQMS 1	May-25	9.54	20.04	159.52	71.81	3.43	2.85
AAQMS 2		8.68	19.88	114.17	55.45	2.75	2.68
AAQMS 3		10.64	32.64	122.40	47.53	3.03	2.73
AAQMS 4		11.80	22.92	183.29	59.49	3.06	2.69
AAQMS 5		8.68	17.51	112.11	49.08	3.25	1.91
Min		8.68	17.51	112.11	47.53	2.75	1.91
Max		11.80	32.64	183.29	71.81	3.43	2.85
Avg		9.87	22.60	138.30	56.67	3.10	2.57
CPCB limit		80	80	100	60	5	
AAQMS 1	Jun-25	8.50	22.13	130.78	74.62	3.18	2.99
AAQMS 2		8.11	18.03	114.99	61.32	2.62	2.69
AAQMS 3		8.84	33.12	111.54	39.05	1.82	2.93
AAQMS 4		14.10	21.28	148.44	41.89	3.51	2.67
AAQMS 5		12.86	17.17	73.85	40.34	1.79	1.91
Min		8.11	17.17	73.85	39.05	1.79	1.91
Max		14.10	33.12	148.44	74.62	3.51	2.99
Avg		10.48	22.35	115.92	51.44	2.59	2.64
CPCB limit		80	80	100	60	5	
AAQMS 1	Jul-25	6.52	28.45	90.16	27.62	3.08	2.97
AAQMS 2		7.12	19.44	54.60	34.02	3.02	3.78
AAQMS 3		13.41	35.77	36.83	15.87	2.67	2.61
AAQMS 4		10.14	23.36	61.35	22.23	3.35	2.70

AAQMS 5		9.70	22.41	31.82	17.09	2.57	1.92
Min		6.52	19.44	31.82	15.87	2.57	1.92
Max		13.41	35.77	90.16	34.02	3.35	3.78
Avg		9.38	25.89	54.95	23.37	2.94	2.80
<b>CPCB limit</b>		<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>5</b>	
AAQMS 1	Aug-25	7.02	24.82	90.53	29.59	4.08	3.72
AAQMS 2		8.09	22.49	56.54	29.04	3.39	3.25
AAQMS 3		9.47	29.00	42.08	16.91	2.93	3.28
AAQMS 4		10.75	23.81	77.33	22.35	3.43	2.70
AAQMS 5		6.50	21.34	42.24	15.46	2.68	2.15
Min		6.50	21.34	42.08	15.46	2.68	2.15
Max		10.75	29.00	90.53	29.59	4.08	3.72
Avg		8.37	24.29	61.74	22.67	3.30	3.02
<b>CPCB limit</b>		<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>5</b>	
AAQMS 1	Sep-25	6.84	23.88	76.90	21.62	3.35	3.14
AAQMS 2		7.83	27.07	50.62	24.52	3.22	3.25
AAQMS 3		13.24	30.70	51.93	18.86	2.94	2.12
AAQMS 4		9.00	19.40	83.84	20.60	3.24	2.71
AAQMS 5		5.50	21.93	68.79	31.32	1.84	2.50
Min		5.50	19.40	50.62	18.86	1.84	2.12
Max		13.24	30.70	83.84	31.32	3.35	3.25
Avg		8.48	24.59	66.42	23.38	2.92	2.75
<b>CPCB limit</b>		<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>5</b>	

**NOTE :**

Particulate Matter (PM<sub>10</sub>) is already higher in ambient air quality baseline data even before  
 Particulate Matter (PM<sub>2.5</sub>) is already higher in ambient air quality baseline data even before

## **ANNEXURE-III**

**Annexure-III**

<b>Activities undertaken for improving socio-economic condition in the surrounding areas from April'25 to Sept'2025</b>		
<b>CSR Pillars</b>	<b>Beneficiaries</b>	<b>Remarks</b>
Community Healthcare & Hygiene	940	Promoting Sports among youth; Support of Fitness Equipment's; Support of Mobile Toilets;
Livelihood and Sustainable Development	1492	Women Empowerment initiatives; Women Entrepreneurship Development (SHG); Animal Husbandry Camp; Skill Training program
Promoting Sport, Arts & Culture	305	Phulkari the Traditional Art (Embroidery)
<b>Total</b>	<b>2737</b>	

Photographs for activities undertaken for improving socio-economic condition in the surrounding areas from April'25 to Sept'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>Promoting Sport, Arts &amp; Culture (Phulkari Traditional Art Embroidery)</b></p> 
<p><b>Livelihood and Sustainable Development (Skill Training Program)</b></p> 	

## **ANNEXURE-IV**

**Annexure-IV**

<b>Activities undertaken for community welfare including eco-developmental measures in the surrounding areas from Apr'2025' to Sep'25</b>		
<b>CSR Pillars</b>	<b>Beneficiaries</b>	<b>Remarks</b>
Education Development	4938	Bicycle for Girls Students; Distribution of School Bags & Stationery items in Government schools; Library Books for schools; Support for Coaching classes for higher studies in Engineering.
Community infrastructure and Environment	152 Concrete benches for community use	Support to community Institutions; Concrete Benches
<b>Total</b>	<b>4938</b>	

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

<p><b>Education Development</b> (Bicycle for Girls Students)</p>	<p><b>Education Development</b> (School Bag &amp; Stationery distribution)</p>
	
<p><b>Education Development</b> (Support for Coaching classes for higher studies in Engineering)</p>	<p><b>Education Development</b> (Infrastructure support to Education institutions (Supply Items))</p>
	
<p><b>Community infrastructure and Environment</b> (Supply of Concrete Benches)</p>	
	

## **ANNEXURE-V**

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.