



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB**  
Ministry of Environment, Forest & Climate Change, Government of India  
O/o Directorate of Environment & Climate Change  
MGSIPA Complex, Sector 26,  
Chandigarh-160019  
seiaappb2017@gmail.com

No. DECC/SEIAA/2020/1991 REGISTERED

Date: 08/09/2020

To

Sh. Rajesh Kumar Mittal, Partner  
M/s Punjab Steels,  
Village- Tooran, Amloh Road,  
Mandi Gobindgarh- 147301 (Pb.)  
Mobile- 91-98140-26216

**Subject: Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit namely "Punjab Steels" at Village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab (Proposal no SIA/PB/IND/ 22215/2018)**

This is in reference to your online Proposal No. SIA/PB/IND/ 22215/2018 for obtaining Environmental Clearance under the EIA Notification dated 14.09.2006 for the Expansion of Steel Manufacturing Unit namely "M/s. Punjab Steels" at Village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-2, EIA report based on TORs and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project are as under: -

Sr. No.	Item	Details
1.	Online Proposal No.	SIA/PB/IND/22215/2018
2.	Name and Location of the project	M/s Punjab Steels Village Tooran, Amloh Road, Tehsil. Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab
3.	Nature of the project	Expansion
4.	Project/ activity covered under item of scheduled to the EIA Notification, 14.09.2006.	Schedule 3(a): Metallurgical Industries (ferrous & non-ferrous)
5.	Classification/ Land use pattern as per Master Plan.	Industrial
6.	Cost of the project	14.59 Crores

7.	Total Plot area, Built-up area and Green area.	Sr. No	Description	Area (sqm)	
		1.	Total land area	5.60 acres (or 22,483.27 sqm)	
		2.	Shed area	10,578.99 sqm	
		3.	i)Green Area ii)No. of trees to be planted	7,430.76 sqm (33%)  1,107 nos	
8.	Latitude & Longitude	A: 30°38'47.00"N and 76°16'18.36"E B: 30°38'53.46"N and 76°16'18.70"E C: 30°38'53.96"N and 76°16'13.74"E D: 30°38'48.61"N and 76°16'13.52"E			
9.	Raw material details are given below:				
9.		Sr. No.	Description	Raw Materials & Quantity (TPD)	Mode of transport
		1.	Existing	Scrap @121TPD  Ferro Alloys @ 1 TPD	By road through trucks (approx. 6 trucks per day).
		2.	After Expansion	Scrap @ 359 TPD  Ferro Alloys @ 4 TPD	By road through trucks (approx. 18 trucks per day).
10.	Products details are given below:				
10.		Product Name	Existing (TPD)	Additional (TPD)	Total (TPD)
		Ingots/TMT Bars	115	215	330
11.	Details of Induction furnaces & Rolling Mill:				
11.	Machinery	Description	Existing	Proposed	Total (After Expansion)
		1 IF's of capacity 4 TPH 1 IF's of capacity 6 TPH		Replacement of the existing 2 IF's with the 2 IF's capacity 15 TPH each and direct rolling through CCM.	2 IF's of capacity 15TPH each and direct rolling through CCM
12.	Solid waste generation and its Disposal agreement	(i) Approximately, 13 Kg/day of domestic solid waste is being generated from the existing project & after expansion, approx. 18 kg/day of domestic waste will be generated. Waste will be collected properly and segregated into biodegradable and non-			

		<p>biodegradable waste. The solid waste will be disposed of as per Solid Waste Management Rules, 2016.</p> <p>(ii) 4 TPD of slag is being generated from the existing industrial unit and after expansion; it is estimated to be 11 TPD out of which 2.2 TPD metal will be recovered and the remaining 8.8 TPD will be sold to M/s SH Infrastructure for manufacturing of ready-mix concrete.</p>																									
13.	Population (when fully operational)	Existing Manpower: 60 persons After expansion: 80 persons																									
14.	No. of working days	350 nos																									
15.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	<table border="1"> <thead> <tr> <th>Sr. No</th><th>Description</th><th>Existing water demand (KLD)</th><th>Proposed water demand (KLD)</th><th>Total water demand (KLD)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Domestic water demand</td><td>3</td><td>1.5</td><td>4.5</td></tr> <tr> <td>2.</td><td>Make up water demand for cooling purpose</td><td>16</td><td>28.5</td><td>44.5</td></tr> <tr> <td>3.</td><td>Green area water demand</td><td>1</td><td>40</td><td>41</td></tr> <tr> <td colspan="2">Total</td><td>20</td><td>70</td><td>90</td></tr> </tbody> </table>	Sr. No	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)	1.	Domestic water demand	3	1.5	4.5	2.	Make up water demand for cooling purpose	16	28.5	44.5	3.	Green area water demand	1	40	41	Total		20	70	90
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Total		20	70	90																							
Sources of water: Since the project is in notified block, therefore, project proponent shall not abstract ground water for the use of industrial purposes and green area from existing borewell.																											
S. No.	Purposes	Source of water																									
1.	Domestic	Ground water with permission of District Advisory Committee (DAC)																									
2.	Make-up water demand for cooling	Treated wastewater from STP of MC, Mandi Gobindgarh as per agreement with MC																									
3.	Flushing purposes	Nil																									
4.	Green area water demand	Treated wastewater from STP of MC, Mandi Gobindgarh as per agreement with MC																									
16.	Disposal arrangement of wastewater in Operation Phase	After expansion, 3.6 KLD of domestic wastewater will be generated which will be treated in the STP of capacity 5 KLD to be installed within project premises. Further, no industrial effluent will be generated.																									
17.	Rainwater recharging detail	Rain water storage tank of total capacity 500 KL (i.e 2 x 250 KL each) will be provided to store the 245m <sup>3</sup> /hrs of rain water run off generated from the rooftop during monsoon																									

		<p>season which will be utilized for cooling water, cleaning &amp; landscaping purposes.</p> <p>Rainwater will be recharged by the adoption of a pond in a village Tooran, Salani &amp; Jasran Mandi Gobindgarh. A total 76,115 m<sup>3</sup> per annum of rain water will be recharged against the groundwater withdrawal of 86.5 KLD.</p>																
18.	Hazardous Waste & E- Waste	<p>The details of the hazardous waste generated is given below:</p> <table border="1"> <thead> <tr> <th>Sr. No</th><th>Description</th><th>Existing</th><th>Proposed</th><th>Total</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Used oil</td><td>-</td><td>0.20 KL/annum</td><td>0.20 KL/annum</td></tr> <tr> <td>2.</td><td>APCD dust</td><td>0.02 TPD</td><td>1 TPD</td><td>1.02 TPD</td></tr> </tbody> </table> <p><u>Disposal</u></p> <p>(i) For APCD dust, an agreement has been made with M/s Madhav Alloys Pvt. Ltd.</p> <p>(ii) E-waste will be disposed off as per the E-waste Management Rules,2018.</p>	Sr. No	Description	Existing	Proposed	Total	1.	Used oil	-	0.20 KL/annum	0.20 KL/annum	2.	APCD dust	0.02 TPD	1 TPD	1.02 TPD	
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1.	Used oil	-	0.20 KL/annum	0.20 KL/annum														
2.	APCD dust	0.02 TPD	1 TPD	1.02 TPD														
19.	Energy requirements & saving	<p>The details of the energy are given below:</p> <table border="1"> <thead> <tr> <th>Sr. No</th><th>Description</th><th>Existing</th><th>Proposed</th><th>Total</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Power load</td><td>8,249.783KW</td><td>4,000 KW</td><td>12,249.783 KW</td></tr> <tr> <td>2.</td><td>D.G sets</td><td>1 No. 125 KVA</td><td>1 No. 125 KVA</td><td>2 No. 125 KVA</td></tr> </tbody> </table> <p><u>Energy-saving measures to be adopted within the industry are given below:</u></p> <p>a) LEDs will be used in place of CFL.</p> <p>b) Energy-efficient Induction Furnaces will be installed.</p>	Sr. No	Description	Existing	Proposed	Total	1.	Power load	8,249.783KW	4,000 KW	12,249.783 KW	2.	D.G sets	1 No. 125 KVA	1 No. 125 KVA	2 No. 125 KVA	
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20.	Environment Management Plan along with Budgetary break-up phase wise and responsibility to implement	<p>Project proponent submitted a revised EMP plan on 23.06.2020 for the construction phase &amp; operation phase and the detail of the same is as under:</p> <table border="1"> <thead> <tr> <th>Sr. No</th><th>Environmental Protection Measures</th><th>Capital Cost (Rs.in lakhs)</th><th>Recurring Cost (Rs. In lakhs/year)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Air Pollution Control (Installation of APCD)</td><td>100</td><td>0.5</td></tr> <tr> <td>2.</td><td>Water Pollution Control (STP)</td><td>10</td><td>2.0</td></tr> <tr> <td>3.</td><td>Noise Pollution Control (Including the cost of landscaping &amp; green</td><td>4.5</td><td>1.5</td></tr> </tbody> </table>	Sr. No	Environmental Protection Measures	Capital Cost (Rs.in lakhs)	Recurring Cost (Rs. In lakhs/year)	1.	Air Pollution Control (Installation of APCD)	100	0.5	2.	Water Pollution Control (STP)	10	2.0	3.	Noise Pollution Control (Including the cost of landscaping & green	4.5	1.5
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2.	Water Pollution Control (STP)	10	2.0															
3.	Noise Pollution Control (Including the cost of landscaping & green	4.5	1.5															

		4.	Solid Waste Management	2.5	1.0
		5.	Environment Monitoring &	3.0	5.0
		6.	Health, Safety & Risk	3.0	0.5
		7.	Rain Water recharging outside the project premises	1.0	0.5
		8.	Miscellaneous	1.0	0.5
		Total		125	11.5

The case was lastly considered by the SEAC in its 190<sup>th</sup> meeting held on 27.06.2020, wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent under EIA notification dated 14.09.2006 subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 167<sup>th</sup> meeting held on 31.07.2020. The SEIAA observed that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. The Authority looked into all the aspects of the project proposal in detail and was satisfied with the same.

Therefore, the Authority decided to grant environmental clearance under category-B with project/ activity 3(a)- Metallurgical Industries (ferrous & nonferrous) for expansion of its existing unit located in the village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab as per the details as per the details mentioned in the EIA study & subsequent presentation / clarifications made by the project proponent and his consultant subject to the conditions as proposed by the SEAC, in addition to the proposed measures.

Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to proposed measures & strict compliance of terms and conditions as follows: -

## **I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- vii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any.

## **II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. The project proponent shall achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a Manual system to carryout Continuous Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NOx in reference to SO<sub>2</sub> and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

### **III. Water quality monitoring and preservation**

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in

the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

- ii. The project proponent shall adhere to 'Zero Liquid Discharge'.
- iii. Sewage Treatment Plant of capacity 5 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- v. The project proponent shall practice rainwater harvesting to maximum possible extent. For this 3 village ponds having volume @ 14,322 m<sup>3</sup> , 24,281 m<sup>3</sup> , 12,140 m<sup>3</sup> located at Village Tooran, Saliani & Jasran respectively shall be adopted for desilting to recharge the water @ 76,115 m<sup>3</sup>/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- vi. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

#### **IV. Noise monitoring and prevention**

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### **V. Energy Conservation measures**

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.

- iii. The project proponent shall provide the for LED lights in their offices and residential areas.

## **VI. Waste management**

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

## **VII. Green Belt**

- i) Green belt shall be developed in an area 7430.76 sqm (33 %) of the plant area with tree species in accordance with SEIAA guidelines. Total 1107 trees to be planted without accounting the shrubs. The greenbelt shall inter alia cover the entire periphery of the plant to the maximum extent. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall.

## **VIII. Public hearing and Human health issues**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- i. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

## **IX. Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the revised proposal for CER activities for spending atleast minimum amount of Rs.14.60 Lacs towards following CER activities:

<b>S. No.</b>	<b>Activities</b>	<b>Total Expenditure</b>	<b>Timeline</b>	<b>Total Expenditure</b>
1.	Constructing two toilets, Interlocking tiling of village roads, Plantation in common areas and provision of water coolers in village Tooran.	14.6 Lacs	1 year	14.6 Lacs

However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spent minimum amount of Rs 125 Lacs towards the capital cost and Rs 11.5 Lacs/annum towards recurring cost including the

- Environmental monitoring cost for the implementation of EMP as proposed in the revised EMP plan. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

#### **X. Validity**

- i. This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier

#### **XI. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under

- the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  - viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.
  - x. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.
  - xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
  - xiv. The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
  - xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  - xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

## **XII. Additional Specific Conditions decided during the meeting of SEAC**

- i. The project proponent shall install site suction hood followed by the Pulse-Jet bag filter with offline cleaning technology as APCD on the two Induction Furnaces of capacity 15TPH each.
- ii. The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iii. The project proponent shall obtain the permission from District Advisory Committee (DAC) for the abstraction of ground water from its two existing borewells to meet with the requirement of domestic purposes.
- iv. The project proponent shall not abstract ground water for the use of industrial purposes and green area from existing borewell. The project proponent will meet the water requirement @ 85.5 KLD for industrial purpose and green area from the treated wastewater from STP of MC, Mandi Gobindgarh for which NOC has been obtained.
- v. The project proponent shall construct two water storage tank of capacity 250 KL each for collection of rainwater runoff generated from the rooftop during monsoon season within its premises.
- vi. The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vii. The project proponent shall reuse of cooling tower blowdown, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- viii. The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- ix. The project proponent shall comply with the standard operating procedures and upgradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

- x. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xi. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.
- xii. The project proponent shall adopt green technologies to conserve water and energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xiii. The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xiv. The project proponent shall take necessary action w.r.t. the following: -
  - a) Recovery of iron from slag before disposing of it.
  - b) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

**Member Secretary**

*[Signature]*

**Endst. No.** \_\_\_\_\_ **Through E-mail** \_\_\_\_\_ **Date** \_\_\_\_\_

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, Fatehgarh Sahib.
6. The Deputy Director General (C), Ministry of Environment, Forests & Climate Change, Northern Regional Office, Bays No. 24-25, Sector- 31-A, Chandigarh.
7. The Chief Town Planner, Department of Town & Country Planning, 6<sup>th</sup> Floor, PUDA Bhawan, Phase-8, Mohali.
8. The Joint Director, Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
  - a) Name of the applicant : Sh. Rajesh Kumar Mittal

b) Phone Number : 91-98140-26216  
c) Email Id : cpseema@yahoo.co.in

9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110003.

**Member Secretary**

*[Signature]*