

Date: 01.12.2020

To  
The Joint Director,  
Ministry of Environment, Forest & Climate Change,  
Regional Office (North),  
Government of India,  
Bay No. 24-25, Sector-31A,  
Chandigarh 160030.

**Subject: Submission of Six Monthly Compliance Report for period ending 30.09.2020 for the Mild Steel Billets Manufacturing Unit namely "Madhav Alloys Pvt. Ltd." located at Village Akalgarh and Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab.**

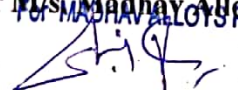
Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report. We are hereby submitting the six monthly compliance report for period ending 30.09.2020 for the above said project in soft copy in compact disk (CD) of the compliance report for your perusal.

Kindly acknowledge the receipt of the same.  
Thanking you.

Sincerely,

For M/s. Madhav Alloys Pvt. Ltd.



(Authorized Signatory) Sign.

Name- Sunil Sammi

Contact No.- 9914255232

Designation- Dy. Manager Legal

E-mail-[sunilsammi@madhavkrggroup.com](mailto:sunilsammi@madhavkrggroup.com)

1. **CC: Member Secretary, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26- Chandigarh-160019.**
2. **Environmental Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib, Punjab.**

**Madhav Alloys Pvt Ltd**

Manufacturers of TMT Bars, Pipes & Tubes

[www.madhavkrggroup.com](http://www.madhavkrggroup.com)

CIN : U27104PB2003PTC026123

Regd. Office: Talwara Road, Mandi Gobindgarh, Dist. Fatehgarh Sahib, Punjab  
Corp Office: 1st Fl., The Celebration Bazaar, G.T Road, Khanna, Punjab-141401  
Phone: +91- 1765-500075 Email: [info@madhavkrggroup.com](mailto:info@madhavkrggroup.com)  
Works: Vill. Akalgarh, Amloh-Bhadson Rd., Near Toll Plaza, Dist. Patiala-147203

2020

# **SIX MONTHLY COMPLIANCE REPORT**

**(Period ending 30.09.2020)**

F  
OR

**For**

**“Madhav Alloys Pvt. Ltd.”**

Village Akalgarh & Bhagwanpura,  
Tehsil Nabha & Amluh  
Distt. Patiala & Fatehgarh Sahib

**Project By:**

**M/s. Madhav Alloys Pvt. Ltd.**

Village Akalgarh & Bhagwanpura,  
Tehsil Nabha & Amluh  
Distt. Patiala & Fatehgarh Sahib

**Prepared by:**



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## **CONTENT**

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>Page No.</b>
1.	Data Sheet	1-3
2.	Compliance of Environmental Clearance conditions	4-18
<b>ANNEXURES</b>		
3.	<b>A-1(a):</b> Earlier Environment Clearance Letter	19
4.	<b>A-1(b):</b> Environment Clearance Letter	24
5.	<b>A-2:</b> Final approval of Diversion of forest land	42
6.	<b>A-3(a):</b> Wildlife Approval	44
7.	<b>A-3(b):</b> Wildlife Approval Map	46
8.	<b>A-4:</b> Wildlife Conservation Plan	47
9.	<b>A-5(a):</b> CTO Air & Water	103
10.	<b>A-5(b):</b> CTE Third Furnace	116
11.	<b>A-6:</b> HWM Return 2019-20	125
12.	<b>A-7:</b> Photographs	128
13.	<b>A-8:</b> Test reports	132
14.	<b>A-9:</b> Acknowledgement copy of the previous submitted six monthly report	155
15.	<b>A-10:</b> Medical records of the workers	158
16.	<b>A-11:</b> Environment policy	193
17.	<b>A-12:</b> EMC	197
18.	<b>A-13:</b> Copy of the advertisements published in the newspaper	198
19.	<b>A-14:</b> Acknowledgement of EC letter submission at local bodies	201
20.	<b>A-15:</b> Screenshot of website showing EC letter	215
21.	<b>A-16:</b> Acknowledgement of Audit Report 2019-20	217

**Ministry of Environment, Forest and Climate Change  
Northern Region Office  
Chandigarh-160030**

**DATA SHEET**

1.	<b>Project Type</b>	<b>Mild Steel Billets Manufacturing Unit</b>
2.	Name of the Project	Madhav Alloys Pvt. Ltd.
3.	Clearance letter (s) F. No. & Date	Environment Clearance has been granted by Ministry of Environment and Forests, Govt. of India vide F. No. J-11011/406/2010-IA-II (I) dated 16.03.2012. Copy of the same is attached along as <b>Annexure 1(a)</b> . Environment Clearance for expansion has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/2020/1656 dated 20.05.2020. Copy of same is attached along as <b>Annexure 1(b)</b> .
4.	Location	Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh
a)	District(s)	Patiala & Fatehgarh Sahib
b)	State (s)	Punjab
5.	Address for correspondence	<b>M/s Madhav Alloys Pvt. Ltd.</b> Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, District Patiala & Fatehgarh Sahib, Punjab.
6.	Salient features	Billets/ Steel Ingots @ 5,25,000 TPA TMT bars/ Wire rods/ MS rounds @ 5,25,000 TPA.
a)	Of the Project	The total plot area of the project is 38.03 acres (or 1,54,628.0241 sq.m).
b)	Of the environment	<b>Water Requirement:</b> As per Environmental Clearance, total water requirement of the project is 475 KLD; out of which fresh water requirement will be 330 KLD and remaining will be met from the treated wastewater. <b>Wastewater Generation:</b> As per Environmental Clearance, industrial wastewater generated is being treated in already installed ETP of capacity 150 KLD. After treatment with UF & RO, 123 KLD treated water is being reutilized as process water and 22 KLD RO reject is being utilized for onto land for plantation purposes. Domestic wastewater is being treated in STP of capacity 150 KLD. After treatment with RO, 22 KLD treated

		water is being reutilized as process water. RO reject is being utilized for onto land for plantation purposes. <b>Miscellaneous:</b> As per the Environmental Clearance, the power requirement is 43 MVA. Green belt has been developed in 33% of total plant area.
7.	Break up of the Project Area	-
a)	Submergence area	Not applicable
8.	Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/landless laborers/ artisans.	Not applicable
a)	SC/ST/ Adivasis	Not applicable
b)	Others (Please indicate whether these figures are base on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey)	Not applicable
9.	Financial details	
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 107.86 Crores (Originally Planned) Revised cost Rs. 138.15 Crores. Project cost for expansion Rs. 19.06 Crores.
b)	Allocations made for environmental management plan with item wise and year of assessment.	Rs. 191 Lakhs (as per the latest EC letter).
c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted.
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes
e)	Actual expenditure incurred on the project so far.	Actual Expenditure done on the project from 01.04.2020 to 30.09.2020 is Rs. 1,66,86,447 out of which Rs. 81,97,124 has been spent for installation of third furnace.

f)	Actual expenditure incurred on the environmental management plans so far:	Actual expenditure done on environment management plan from 01.04.2020 to 30.09.2020 is given below:																														
		<table> <tr> <th>S. No.</th><th>Description</th><th>Amount Spent</th></tr> <tr> <td>1.</td><td>STP</td><td>4,30,456</td></tr> <tr> <td>2.</td><td>ETP</td><td>-</td></tr> <tr> <td>3.</td><td>Air Pollution Control Devices (APCD)</td><td>12,87,907</td></tr> <tr> <td>4.</td><td>Waste Management</td><td>61,40,794</td></tr> <tr> <td>5.</td><td>Solar Plant</td><td>4,32,667</td></tr> <tr> <td>6.</td><td>Rain Water Harvesting</td><td>-</td></tr> <tr> <td>7.</td><td>Green Belt Development</td><td>72,220</td></tr> <tr> <td>8.</td><td>Other Environmental Measurement</td><td>1,25,279</td></tr> <tr> <td colspan="2"><b>Total</b></td><td><b>84,89,323</b></td></tr> </table>	S. No.	Description	Amount Spent	1.	STP	4,30,456	2.	ETP	-	3.	Air Pollution Control Devices (APCD)	12,87,907	4.	Waste Management	61,40,794	5.	Solar Plant	4,32,667	6.	Rain Water Harvesting	-	7.	Green Belt Development	72,220	8.	Other Environmental Measurement	1,25,279	<b>Total</b>		<b>84,89,323</b>
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<b>Total</b>		<b>84,89,323</b>																														
10.	Forest lands requirement	Not applicable																														
a)	The status of approval for diversion of forest land for non forestry use.	Application has been filed for obtaining approval regarding diversion of forest land; Approval letter is enclosed along as <b>Annexure 2.</b>																														
b)	The status of clear felling.	Not applicable																														
c)	The status of compensatory a forestation programmer in the light of actual field experience so far.	Not applicable																														
11.	The status of clear felling in non forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Not applicable																														
12.	Status of construction	Completed																														
a)	Date of commencement (actual and/or planned)	The unit is already operational and expansion has been done from 1 <sup>st</sup> June, 2020.																														
b)	Date of completion (actual and/ or planned)																															
13.	Reasons for the delay if the project is yet to start:	Not applicable																														

**Compliance report on conditions imposed in Environmental Clearance for Period ending 30.09.2020**

**Part A – Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills**

**I. Statutory Compliance:**

<b>S.No.</b>	<b>EC Conditions</b>	<b>Reply</b>
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Application has been filed for obtaining approval regarding diversion of forest land; Approval letter is enclosed along as <b>Annexure 2</b> .
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Wildlife approval and wildlife approval map duly signed by Chief Wildlife Warden has been obtained; same are enclosed as <b>Annexure 3(a) &amp; 3(b)</b> .
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendation 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)	Wildlife conservation plan has been prepared; same is enclosed along as <b>Annexure 4</b>
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 State pollution Control Board/ Committee.	Agreed. The stipulations made by the Punjab State Pollution Control Board and State Government are fully complied. Consent to Operate under Air & Water Act has been obtained from PPCB. Further, Consent to Establish has been obtained from PPCB for expansion. Copy of the same is enclosed as <b>Annexure 5(a) &amp; (b)</b> respectively.
v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority	Agreed. Earlier CGWA NOC has been granted for fresh water requirement of 220 m <sup>3</sup> /day. However, later on fresh water requirement of the project has been revised and becomes 330 m <sup>3</sup> /day.



	concerned 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.	Thus, fresh application has been filed to CGWA for water demand of 330 m <sup>3</sup> /day and is in-process. But, now as per the latest guidelines, CGWA is not processing the ground water applications for Punjab state. Thus, fresh application will be submitted to Punjab Water Regulation & Development Authority for grant of NOC regarding ground water abstraction.
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time	Hazardous waste authorization has been obtained. Copy of the same is enclosed as <b>Annexure 6</b> .
vii	The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the CPCB/CPCB/MoEF&CC for such type of units.	Agreed.
viii	The project proponent shall comply with the conditions imposed by District Town Planner, Patiala vide Memo No. 923 DTP(P)/A-31(P) dated 14.06.2010 dated 14.06.2010 for an area of 17.96 acres and DTP Fatehgarh Sahib vide memo no. 758-DTP(FGS)/NG-62 dated 21.06.2010 for an area of 8.13 acres and Urban Development Department vide Ref no. PBIP/1805492489 dated 08.01.2019 for an area of 15.854 acres.	Agreed.
<b>II</b>	<b>Air quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 <sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these	Continuous emission monitoring system is installed to monitor stack emission with respect to standards. Photographs showing the same are enclosed as <b>Annexure 7</b> .



	system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
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.	Agreed. Regular monitoring of stack emissions is being done. Test reports are attached along as <b>Annexure 8</b> .
iii.	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> & PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> & NO <sub>x</sub> in reference to SO <sub>2</sub> & NO <sub>x</sub> emissions) within or outside the plant area at an angle of 120° each), covering upwind and downwind directions. (Case to case basis small plants: Manual; Large plants; Continuous)	Test reports of the stack emissions and ambient air are attached along as <b>Annexure 8</b> .
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 COCB and Regional Office of SPCB along with six monthly monitoring report.	Agreed. Six monthly compliance report has been submitted regularly to Regional Office of MoEF&CC, Chandigarh and Zonal office of PPCB and Regional Office of PPCB along with the test reports.
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	Agreed. Fugitive emissions are minimal as we have already provided dog house suction hood and bag house filter as APCD and also installed mechanical feeding system for the induction furnace. Fugitive emissions are very few less during the feeding and that too temporary in nature for which proper exhaust systems have been provided.
vi.	The project proponent shall provide leakage detection and mechanized bag cleaning	Agreed. The same is being complied.

	facilities for better maintenance of bags.	
vii.	Sufficient number of mobile or stationary vaccum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Adequate number of vaccum cleaners has been provided to clean plant roads, shop floors, roofs on regular basis.
viii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vaccum cleaning devices in the process after briquetting/ agglomeration.	Ore fines, coal and coke fines, lime fines are being recycled and reused in the process.
ix.	The project proponent shall use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin.	Agreed. The same is being complied.
x.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	Agreed. The same is being complied.
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	All melting furnaces are provided with primary and secondary fume extraction system.
xii.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil cellars.	Agreed. The same is being complied.
<b>III</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 3151 March 2012 (applicable to IF/EAF) as amended from time to time) and connected to SPCB & CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous)	Agreed. Test Reports of the STP and ETP RO reject are attached along as <b>Annexure 8</b> .
ii.	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	Test reports of ground water quality is being done regularly; test reports is enclosed along as <b>Annexure 8</b>

	adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Agreed. Six monthly compliance report has been submitted regularly to Regional Office of MoEF&CC, Chandigarh and Zonal office of PPCB and Regional Office of PPCB along with the test reports. Acknowledgement copy of the previous submitted six monthly report is enclosed as <b>Annexure 9</b> .
iv.	Adhere to 'Zero Liquid Discharge'.	Agreed. The same is being complied.
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	STP of capacity 150 KLD is installed within the project premises.
vi.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 <sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time.	145 KLD of effluent is being generated which is being treated in already installed ETP of 150 KLD capacity.
vii.	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.	Agreed. The same will be complied.
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent i.e. pond location in the village Dargapur, Ramgarh, Ghundar and Chahal shall be adopted with rainwater recharging after de-silting @ 276,196.5 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	Ponds have been adopted regarding the rain water recharging outside the project premises. Thus, pond cleaning activities have been started; photographs showing the same are enclosed along as <b>Annexure 7</b> .

	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.	
ix.	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.	Agreed. Water consumption has been kept minimum.
<b>IV</b>	<b>Noise monitoring and prevention</b>	
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Agreed. The noise levels are maintained by providing canopy enclosures and within the prescribed limits. Ambient noise test results are attached as <b>Annexure 8</b> .
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.	The noise levels are maintained by providing canopy enclosures and within the prescribed limits.
<b>V</b>	<b>Energy Conservation measures</b>	
i.	The project proponent shall provide waste heat recovery system (pre heating of combustion air) at the fuel gases of reheating furnaces.	Agreed. The same will be complied.
ii.	Practice hot charging of slabs and billets/blooms as far as possible.	Agreed. The same will be complied.
iii.	Ensure installation of regenerative type burners on all reheating furnaces.	Agreed.
iv.	Provide solar energy generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Agreed. Solar energy is being used for common area lighting. Solar power plant of capacity 0.5 MW is being approved and is operational. Further, solar power plant of capacity 1.3 MW will be installed; application has been filed for approval. Thus, total 1.8 MW capacity of solar power plant is planned within project premise in order to conserve energy.

v.	Provide the project proponent for LED lights in their offices and residential areas.	Agreed. LED lights have been provided in offices and Sheds within the project.
<b>VI</b>	<b>Waste management</b>	
i.	Used refractories shall be recycled as far as possible.	Agree. The same is being complied.
ii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting furnaces.	Recovered oily scum and metallic sludge is being reused in melting furnaces.
iii.	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.	Agreed.
iv.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Agreed. Agreement has been done with M/s Nimbua Greenfield (Punjab) Ltd., M/s BRS Lubricants & JBR Technologies Ltd. regarding the disposal of hazardous waste.
<b>VII</b>	<b>Green belt</b>	
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery shall be provided with green belt by removing the unwanted/ non-productive structures already provided in the existing project near the boundary wall.	Photographs showing the green belt provided within the project premises are attached along as <b>Annexure 7</b> .
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Agreed. The same will be complied.
<b>VIII</b>	<b>Public hearing and Human health issues</b>	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Agreed.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in	OHC has been provided and regular health check-up facility is being done.

	high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Further, Personal Protection Equipment (PPE) has been provided to workers for safety.
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 STO, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	No major construction work is involved. Thus, local labours is being hired from nearby areas. So, no separate housing facility is being provided to labours. Further, the labours are allow to use the existing facility such as clean drinking water, toilets etc.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check-up of the workers is being done. Recent medical records of the workers are enclosed as <b>Annexure 10.</b>
v.	The project proponent shall carry out the activities and spent an amount as committed during the Public Hearing and give preference to the local person as per the qualification to be employed in the expansion project.	Agreed. The same is being complied.
<b>IX</b>	<b>Corporate Environment Responsibility</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's O vide F.No. 22-65/2017-IA.III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending atleast minimum amount of 25 lacs towards CER activities.	Agreed. Company has undertaken various activities under CER. Approx. Rs. 9,62,172 Lakhs have been spent on the CER from 01.04.2020 to 30.09.2020 under following activities: <ul style="list-style-type: none"> <li>• Plantation expenditure</li> <li>• Awareness Developments</li> <li>• Education</li> <li>• Skill Development</li> </ul>
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this	EHS Policy of company stating the environment protection measures are attached as <b>Annexure 11.</b>

	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 to head of the organization.	Agreed. The Constitution of Environment Management Committee is enclosed as <b>Annexure 12</b> .
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend minimum amount of Rs. 191 Lacs towards capital cost and 14.5 Lacs/annum towards recurring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	Agreed. The same will be complied.
v.	Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional along with Six Monthly Compliance Report.	Agreed. The same will be complied.
vi.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed. The same will be complied.
vii.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	Agreed. The same will be complied.
<b>X</b>	<b>Validity</b>	
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.	Agreed. Environment Clearance for expansion has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/ 2020/1656 dated 20.05.2020 and same is valid till 19.05.2027.
<b>XI</b>	<b>Miscellaneous</b>	



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.	Advertisement has been published; copy of the advertisements published in the newspaper is attached along as <b>Annexure 13</b> .
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.	Agreed. Environment Clearance letter was sent to DC, Fatehgarh Sahib and Zilla Parishad, Patiala. Copy of the acknowledgements of the same are attached along as <b>Annexure 14</b> .
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.	Environmental Clearance letter has already been uploaded at company's website. Screenshot showing the same is attached along as <b>Annexure 15</b> .
iv.	The project proponent shall monitor the criteria pollutants level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (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.	Agreed. The environment data board has been displayed at main gate. Further, test reports have been uploaded on the company website.
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.	Agreed. Six monthly compliance report is being submitted to the Regional Office, MoEF&CC and PPCB. Acknowledgement copy of the previous submitted six monthly report is enclosed as <b>Annexure 9</b> .
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,	Agreed. Environment Statement for Financial Year 18-19 has already been submitted. Acknowledgement of submission is attached along as <b>Annexure 16</b> .

	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.	Agreed. Consent to Establish and Operate has been obtained from PPCB before commencement of work; refer <b>Annexure 5(a) &amp; 5(b)</b>
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed. Stipulations made by the State Pollution Control Board and the State Government are being strictly followed.
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 Expert Appraisal Committee.	Agreed. The same will be complied.
x.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed. No further expansion or modification will be carried out in the plant without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
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.	Agreed.
xii.	The SEIAA/ Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
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.	Agreed.
xiv.	Regional Office of this Ministry and Punjab Pollution Control Board (PPCB) shall monitor compliance of the stipulated conditions. The project authorities should extend full	Agreed. Full cooperation will be extended to the officer of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring

	cooperation to the officer of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports.	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.	Agreed.
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.	Agreed.

**Part B. Additional Specific Conditions decided during meeting of SEAC**

<b>S. No.</b>	<b>Conditions</b>	<b>Reply</b>
i.	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.	Agreed. Minimum water is being consumed in the plant, as effective water consumption techniques is being implemented.
ii.	The project proponent shall provide STP for treatment of wastewater & reutilization of the treated water for core/ non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units.	Agreed. The same is being followed. STP and ETP has been provided within project premises and treated water is being reused for horticulture purpose.
iii.	The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed such purge water. If required, necessary arrangements shall be made to keep this waste stream within the	Agreed.

	parameters required for reuse.	
iv.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site. Sand, murram, loose soil, cement, stored on site shall be covered adequately and water sprinkling system be put in place so as to prevent dust pollution.	Agreed. Regular sprinkling is being practiced at loading/un-loading areas to prevent dust emissions.
v.	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.	Agreed. Adequate parking and loading and unloading area have been earmarked for vehicles carrying raw materials, final products, slag and hazardous waste. Further, separate sheds have been provided for storage purpose.
vi.	The project proponent shall comply with the standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/ MoEF&CC.	Agreed.
vii.	Whole of the vehicle movement area as well as 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.	Agreed. The entire movement area and approach road is being metalled to reduce the dust pollution.
viii.	The vehicles to be used for loading/ unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.	Adequate parking area is available for the loading/ unloading vehicles. No traffic congestion takes place.
ix.	The project proponent shall adopt green technologies to conserve the water and	Agreed. The same is being complied.

	energy including shearing/ cutting/ bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fir bricks.	
x.	The project proponent shall use natural gas (if available) as substitute fuel whenever possible in the existing industry/ for expansion project.	Agreed. Natural gas will be utilized to the maximum extent whenever possible.
xi.	The project proponent shall take necessary action w.r.t. the following:- a) Recovery of iron from slag before disposing it off. b) Identify the areas for utilization of slag in scientific manner and its usage in cement/ construction industry/ road laying etc. c) Recovery of precious metals like zinc, lead and iron etc. form the APCD dust (Hazardous waste) through authorized re-processor.	a) 30 TPD of metal will be recovered from slag. b) Remaining 35 TPD of slag will be used as raw material for manufacturing of hollow blocks and interlock pavers. c) Recover zinc metal and after that disposed off to M/s Nimbua Greenfield (Punjab) Ltd.
xii.	The project proponent shall install the hollow blocks & interlock pavers manufacturing unit of capacity 300 TPD to utilize the 65 TPD slag generated from their unit as raw material along with other ingredient and commission the same within one year.	Hollow blocks & interlock pavers manufacturing unit will be installed before May, 2021. 30 TPD of metal will be recovered from the slag and remaining slag will be used as raw material for manufacturing of hollow blocks and interlock pavers.
xiii.	The project proponent shall install the borewell for the abstraction of ground water under Nabha Block only, which is non-notified over exploited zone and will not abstract ground water from Amloh block, which is notified over exploited zone.	Agreed. Bore well has already been installed at Nabha Block.
xiv.	The project proponent shall install 02 n. low cost instruments within the premises and monitor Continous/ Real time data.	Agreed.

#### **Part C. Additional Specific Conditions decided during meeting of SEIAA**

<b>S. No.</b>	<b>Conditions</b>	<b>Reply</b>
i.	The project proponent will not install new tubewell, however, water required for proposed expansion will be abstracted from existing borewells.	Agreed. Existing bore well is being used for abstraction of ground water. No new boring will be done without prior approval.
ii.	The project proponent will increase the existing power load of 30 MW further by 5 MW for proposed expansion	Agreed.