



# PUNJAB STEELS

Manufacturers of TMT Bars, Rounds, Angle, Channels etc.

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

Subject:- Submission Of Six monthly compliance report for period ending 31.03.2021 for "Punjab Steels" Located At Village Tooran, Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

Sir,

With Reference Of The EIA Notification & Its Amendment Regarding Submission Of Six Monthly Compliance Report, We Are Hereby Submitting The Six Monthly Compliance Report For The Period Ending 31.03.2021 For The Above Said Project In Soft Copy In Compact Disk (CD) Of The Compliance Report For The Perusal.

Kindly acknowledge the receipt of the same

Thanking You

Sincerely

For M/S Punjab Steels

Partner

Name -: Rajesh Kumar Mittal,

Designation:- Partner, Contact No.-: 9814026216, Email Id:- Cpseema@Yahoo.Co.In

- 1) Cc. Member Secretary, SEIAA Punjab, Directorate Of Environment And Climate Change C/O Punjab State For Council For Science & Technology, MGSIPA Complex, Sector-26, Chandigarh-160019
- 2) Environmental Engineer, Punjab Pollution Control Board, Regional office, Fatehgarh Sahib, Punjab.

2021

# **SIX MONTHLY COMPLIANCE REPORT (Period ending 31.03.2021)**

**For**

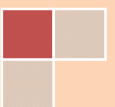
**“Punjab Steels”**

**Village Tooran, Amloh Road, Tehsil Amloh,  
Mandi Gobindgarh,  
Distt. Fatehgarh Sahib, Punjab**

**Prepared By:**



**Eco Laboratories and Consultants Private Limited**  
E-207, Industrial Area, Phase-VIIIB (Sector-74), SAS Nagar (Mohali) Punjab.  
[simran@ecoparyavaran.org](mailto:simran@ecoparyavaran.org), [www.ecoparyavaran.org](http://www.ecoparyavaran.org)  
Phone: 0172-4616225, 8872043178



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**Ministry of Environment, Forest & Climate Change  
Northern Regional Office,  
Chandigarh-160030**

**DATA SHEET**

1.	<b>Project Type</b>	Secondary Metallurgical Industry
2.	<b>Name of the Project</b>	Punjab Steels
3.	<b>Clearance letter (s)/O.M No. &amp; dates</b>	Environmental Clearance has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/2020/1941 dated 08.09.2020 and the copy of the same is attached along as <b>Annexure 1</b> .
4.	<b>Location</b>	Village Tooran, Amloh Road, Tehsil Amloh,
	<b>a) District (s)</b>	Distt. Fatehgarh Sahib,
	<b>b) State (s)</b>	Punjab
	<b>c) Latitudes/ Longitudes</b>	30°38'50"N and 76°16'16"E
5.	<b>Address for correspondence</b>	<b>M/s Punjab Steels</b> Village Tooran, Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab - 147301
6.	<b>Salient features</b>	
	<b>a) of the project</b>	The total plot area of the industry is 22,483.27 sq.m. (or 5.60 acres). As per Environmental Clearance, production capacity of the industrial unit after expansion will become @ 330 TPD of Ingots/TMT Bars by 2 Induction Furnaces of capacity 15 TPH each and rolling mill.
	<b>b) of the Environmental Management Plans</b>	As per the Environmental Clearance, total water requirement of the industry will be 90 KLD. Out of which, 4.5 KLD will be the domestic water demand, 41 KLD for green area demand and 44.5 KLD will be make-up water demand for cooling purposes. The domestic wastewater generation from the industry will be 3.6 KLD which will be treated in STP of capacity 5 KLD. The total power requirement for the project will be 12.25 MW which will be supplied by PSPCL.
7.	<b>Break-up of the project area</b>	
	<b>a) Submergence area: Forest and Non-forest</b>	Not applicable
	<b>b) Others</b>	Not applicable

8.	<b>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 labourers/ artisans.</b>	Not applicable		
	<b>a) SC/ST/Adivasis</b>	Not applicable		
	<b>b) Others</b> <i>(Please indicate whether these figures are based 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)</i>	Not applicable		
9.	<b>Financial details:</b>			
	<b>a) Project cost as originally planned and subsequent revised estimates and the year of price reference.</b>	Rs. 14.59 Crores as per the EC letter.		
	<b>b) Allocations made for environmental management plans with item wise and year wise break up.</b>	The allocations for environment management plan is given below:		
		<b>Environmental Protection Measures</b>	<b>Capital (Rs. in Lakhs)</b>	<b>Recurring Cost (Rs. in Lakhs / year)</b>
		Air Pollution Control (Installation of APCD)	100	0.5
		Water Pollution Control (STP)	10	2.0
		Noise Pollution Control (Including cost of landscaping & green belt)	4.5	1.5
		Solid Waste Management	2.5	1.0
		Environmental monitoring & management	3.0	5.0
		Health, Safety & risk management	3.0	0.5
		Rain water recharging outside project premises	1.0	0.5
		Miscellaneous	1.0	0.5
		<b>Total</b>	<b>125</b>	<b>11.5</b>

	<b>c) Benefit cost ratio/internal rate of return and the year of assessment</b>	Will be calculated and submitted.
	<b>d) Whether (c) includes the cost of environmental management as shown in b) above.</b>	Yes.
	<b>e) Actual expenditure incurred on the project so far.</b>	Rs. 4.09 Crores has been spent on the expansion of industry till 31 <sup>st</sup> March, 2021. Thus, overall expenditure on the project is Rs. 13.52 Crores.
	<b>f) Actual expenditure incurred on the environmental management plans so far.</b>	Rs. 45.69 Lakhs have been spent on the Environmental Management Plan (i.e. on APCD as well as STP) till 31 <sup>st</sup> March, 2021.
10.	<b>Forest land requirement:</b>	
	<b>a) the status of approval for diversion of forest land for non-forestry use</b>	Not Applicable
	<b>b) the status of clear felling, if any</b>	Not Applicable
	<b>c) the status of compensatory afforestation, if any.</b>	Not Applicable
	<b>d) Comments on the viability &amp; sustainability of compensatory Afforestation programme in the light of actual field experience so far.</b>	Not Applicable
11.	<b>The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information</b>	Not Applicable
12.	<b>Status of construction:</b>	
	<b>a) Date of commencement</b> (actual and/or planned)	Actual commencement: 1998
	<b>b) Date of completion</b> (actual and/or planned)	Planned dated of completion: December, 2021. Photographs of the industry are attached along as <b>Annexure 2.</b>
13.	<b>Reasons for the delay, if the project is yet to start</b>	Not applicable

**Compliance Report on conditions imposed in Environmental Clearance for period ending  
31.03.2021**

<b>I.</b>	<b>Statutory compliance</b>	
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.	The diversion of forest land for non-forest purpose is not involved in the industry. Thus, clearance under Forest Act, 1980 is not required.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	No bird or wildlife sanctuary falls within 10 km of project location. However, Bir Amloh protected forest is located at a distance of 6.5 km from project location. Thus, NBWL clearance is not 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)	Not applicable as Schedule I species is not found in 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	Consent to Establish for expansion has been obtained from PPCB vide Certificate no. CTE/Exp/FGS/2020/14235179 dated 02.12.2020; copy is enclosed as <b>Annexure-3</b> .
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.	Application for permission to withdraw ground water has already been submitted to DAC. However, application will be filed to PWRDA once the guidelines are finalized. Authorization under HWM Rules will be obtained after the installation of proposed machinery.

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	The site is in industrial area as such is complying with siting criteria, code of practice & guidelines will be followed.
vii.	The project proponent shall comply with the CLU conditions imposed by competent authority, if any	Not applicable.
<b>II</b>	<b>Air quality monitoring and preservation</b>	
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.	Agreed.
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.	It will be monitored.
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 NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> 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.	Agreed. Latest monitoring has been carried out for ambient air. Test reports are enclosed as <b>Annexure-4.</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 CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Agreed. Latest monitoring has been carried out for stack. Test reports are enclosed as <b>Annexure-4.</b>
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	APCD will be installed as per design of PSCST.
vi.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Agreed
vii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.	Not applicable



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.	Agreed
ix.	The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	Agreed
x.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	Agreed
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	APCD will be installed as per design of PSCST.
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 .	Agreed
<b>III</b>	<b>Water quality monitoring and preservation</b>	
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.	Agreed. Latest monitoring has been carried out for ground water. Test reports are enclosed as <b>Annexure-4</b> .
ii.	The project proponent shall adhere to 'Zero Liquid Discharge'.	No trade effluent will be generated and cooling water will be recirculated.
iii.	Sewage Treatment Plant of capacity 5 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.	STP is being installed at site.
iv.	Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Agreed

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, Saliyani & 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 wastewater of the village shall be diverted in one corner of Phytorid 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.	Agreed
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.	The treated wastewater will be used for plantation.
<b>IV</b>	<b>Noise monitoring and prevention</b>	
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.	Agreed. Latest monitoring has been carried out for ambient noise. Test reports are enclosed as <b>Annexure-4</b> .
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during nighttime.	Agreed to applicable standards.
<b>V.</b>	<b>Energy Conservation measures</b>	
i.	The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.	Agreed
ii.	The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, streetlights, parking around project area and maintain the same regularly.	Agreed
iii.	The project proponent shall provide the for LED lights in their offices and residential areas.	Agreed
<b>VI</b>	<b>Waste management</b>	
i.	Used refractories shall be recycled as far as possible	Agreed

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	Not applicable
iii.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016	Agreed
iv.	Kitchen waste shall be composted or converted to biogas for further use	Agreed
<b>VII</b>	<b>Green Belt</b>	
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.	Agreed
<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 high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPE as per factory Act will be provided to workers.
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.	Being an existing industry, no major construction work is involved. So, no housing for construction workers is required .
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Agreed
v.	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.	Agreed

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:				Agreed. Rs. 3.8 lakhs have been spent under CER activities. This amount has been given to village Panchayat for construction of Toilet / room / tiles in school.	
	S. No.	Activities	Total Expenditure	Timeline		Total Expenditure
	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				Agreed	
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.				Agreed	

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 spend 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.	Agreed
v.	Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.	Agreed
vi.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	Agreed
<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.	The project will be completed within the validity period of EC.
<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	The public notice regarding grant of EC was given in Rojana Spokesman and Punjab Express on 19.09.2020 and has been uploaded on the website of the company <a href="http://www.punjabsteels.tk/">www.punjabsteels.tk/</a> . Copy of the newspaper cutting is enclosed as <b>Annexure-5</b> . Snapshot showing EC letter uploaded on the website is enclosed as <b>Annexure-6</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.	Copy of EC has been given to Municipal Council, Mandi Gobindgarh and Panchayat of Village Tooran for display.


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.	Agreed. EC letter has been uploaded on the website. Snapshot showing EC letter uploaded on the website is enclosed as <b>Annexure-6</b> . Further, test reports as well as compliance report will be uploaded on the website.
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. Test reports are enclosed as <b>Annexure-4</b> . Further, results shall be displayed on Environment data board in front of industry near the gate.
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. Same shall be uploaded on the environmental 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.	Agreed.
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.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and that during their presentation to the State Expert Appraisal Committee and SEIAA.	Agreed
x.	No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.	Agreed
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.	No comments required.
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.	No comments required.
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.	The industry will extend full cooperation to all the concerned department / authority.
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.	Noted
<b>XII</b>	<b>Additional Specific Conditions decided during the meeting of SEAC</b>	
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 15 TPH each.	Agreed. The APCD on new induction furnace will be installed as per design of PSCST.
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.	Agreed. Recent monitoring has been carried out. Test results are enclosed as <b>Annexure-4</b> .
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.	Application has already been filed to DAC for abstraction of ground water.

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.	Agreed.
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.	Rainwater storage tanks are under construction.
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.	Agreed
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.	Agreed
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.	Agreed
ix.	The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.	Agreed
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.	Agreed
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	Agreed
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	Agreed



xiii.	The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.		Not applicable
xiv.	The project proponent shall take necessary action w.r.t. the following:		
	a)	Recovery of iron from slag before disposing of it	Agreed
	b)	Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.	Agreed

 सत्यमेव जयते	<b>STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB</b> Ministry of Environment, Forest & Climate Change, Government of India O/o Directorate of Environment & Climate Change MGSIPA Complex, Sector 26, Chandigarh-160019 <a href="mailto:seiaapb2017@gmail.com">seiaapb2017@gmail.com</a>
	<b>No. DECC/SEIAA/2020/1947</b> <b>REGISTERED</b> <b>Date: 08/09/2020</b>

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:			
	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:			
	Product Name	Existing (TPD)	Additional (TPD)	Total (TPD)
	Ingots/TMT Bars	115	215	330
11.	Details of Induction furnaces & Rolling Mill:			
	Description	Existing	Proposed	Total (After Expansion)
	Machinery	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-		

		biodegradable waste. The solid waste will be disposed of as per Solid Waste Management Rules, 2016. (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.																									
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><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><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></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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	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.																										
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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																									

		season which will be utilized for cooling water, cleaning & land scaping purposes.				
		Rainwater will be recharged by the adoption of a pond in a village Tooran, Salani & 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.				
18.	Hazardous Waste & E- Waste	The details of the hazardous waste generated is given below:				
		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
		Disposal				
		(i) For APCD dust, an agreement has been made with M/s Madhav Alloys Pvt. Ltd.				
		(ii) E-waste will be disposed off as per the E-waste Management Rules,2018.				
19.	Energy requirements & saving	The details of the energy are given below:				
		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
		Energy-saving measures to be adopted within the industry are given below:				
		a) LEDs will be used in place of CFL.				
		b) Energy-efficient Induction Furnaces will be installed.				
20.	Environment Management Plan along with Budgetary break-up phase wise and responsibility to implement	Project proponent submitted a revised EMP plan on 23.06.2020 for the construction phase & operation phase and the detail of the same is as under:				
		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	

		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 NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> 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, Saliyani & 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; 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.
- 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 up-gradation 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** 

**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

(Partner)  
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**



[illegible]

30



**TWO-WHEELER PARKING AREA**



**RAW MATERIAL SHED**



**OFFICES**



**EXISTING AIR POLLUTION CONTROL DEVICE (BAG FILTER)**





**FINISHED GOODS**



# PUNJAB POLLUTION CONTROL BOARD

Zonal office-II, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R13FGS192524

Application No : 14235179

To,

Sh Rajesh Kumar Mittal  
Vill Tooran, Amloh Road, Mandi Gobindgarh, Distt Fatehgarh Sahib.  
Mandigobindgarh, Fatehgarh-147301

Subject: Grant of "Consent to Establish"(NOC) for Expansion of an existing industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining 'Consent to Establish'(NOC) for Expansion of an existing industrial plant u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, permitted to expand the existing industrial unit to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

## 1. Particulars of Consent to Establish (NOC) for Expansion granted to the Industry

Certificate No.	CTE/Exp/FGS/2020/14235179
Date of issue :	02/12/2020
Date of expiry :	01/12/2021
Certificate Type :	Expansion
Previous CTE/CTO No. & Validity :	CTOA/Varied/FGS/2020/13340349 From:10/09/2020 To:31/03/2022

## 2. Particulars of the Industry

Name & Designation of the Applicant	Rajesh Kumar Mittal, (Partner)
Address of Industrial premises	M/s Punjab Steels, , Vill Tooran, Amloh Road, Mandi Gobindgarh, , Amloh, Fatehgarh Sahib-147301
Existing Capital investment of the industry	943.06 lakhs
Capital investment for Expansion Project	516.00 lakhs
Category of Industry	Orange
Type of Industry	2063-Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace
Scale of the Industry	Large
Office District	Fatehgarh Sahib

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Page 1



Consent Fee Details	Rs. 18000/- vide UTR. no. 000096082448 dated 21/10/2020 as per office order dated 29/10/2018
Raw Materials (Name with quantity per day)	Existing- MS Scrap @ 121 MTD Existing-Ferro Alloys @ 1.0 MTD Existing- Ferro Silicon/Aluminum @ 200 KG/day After Expansion- MS Scrap @ 359 MTD After Expansion- Ferro Alloys @ 4.0 MTD
Products (Name with quantity per day)	Existing- MS billets @ 115 MTD Existing- Runner Risers @ 3.0 MTD Proposed- Ingots/TMT Bars @ 215 MTD Total- Ingots/TMT Bars/MS Bars @ 330 MTD
By-Products, if any.(Name with quantity per day)	--
Details of the machinery and processes	As per details given in application no. 14235179
Details of the Effluent Treatment Plant	No trade effluent will be generated. Hence ETP not required.
Mode of Disposal of Effluent	Domestic Effluent @ 3.6 KLD- Onto land for plantation after treatment in STP
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As per effluent standards prescribed by PPCB, MoEF & CC New Delhi.
Sources of emissions and type of pollutants	Process emission/ flue gas emission generated from induction furnaces & silent DG set.
Mode of disposal of emissions with stack height	Stack of height 21 mtr above ground level provided with Induction furnace of capacity 4 T/heat (will be dismantled after expansion) existing  Stack of height 21 mtr above ground level provided with Induction furnace of capacity 6 T/heat (will be dismantled after expansion) existing  Stack of height 21 mtr above ground level provided with 2 No. Induction furnaces (With CCM & Rolling Mill section) Proposed  Adequate Stack height provided with silent D.G set of capacity 125 KVA as per requirement.
Quantity of fuel required in TPD	Only HSD used in silent D.G set of capacity 125 KVA as per requirement.
Type of Air Pollution Control Devices to be installed	Bag Filters provided with existing Induction furnace of capacity 4 T/heat (same will be dismantled after expansion)  Bag Filters provided with existing Induction furnace of capacity 6 T/heat (same will be dismantled after expansion)  Separate Bag Filters as APCD will be provided with Proposed 2 No. Induction furnaces of capacity 15 TPH (each)

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Page 2



Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
11. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.
  - (i) Once in Year for Small Scale Industries.
  - (ii) Four in a Year for Large/Medium Scale Industries.
  - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
12. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.
13. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
  - (i) Once in Year for Small Scale Industries.
  - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
14. The pollution control devices shall be interlocked with the manufacturing process of the industry.
15. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.
17. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
18. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
19. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
20. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
  - (i) Where unavoidable to prevent loss of life or some property damage or
  - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
21. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

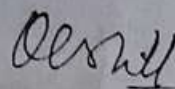
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M/s Punjab Steels, Vill Tooran, Amlah Road, Mandi Gobindgarh, Amlah, Fatehgarh Sahib, 147301

Page 5



22. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
23. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
24. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
25. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
26. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
27. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified
28. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water.
29. The industry shall submit a detailed plan showing therein, the distribution system for conveying waste-waters for application on land for irrigation along with the crop pattern to be adopted throughout the year.
30. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
31. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.
32. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
33. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
34. The industry shall maintain the following record to the satisfaction of the Board :-
  - (i) Log books for running of air pollution control devices or pumps/motors used for it.
  - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
  - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
35. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.
36. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.
37. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry



02/12/2020

(Om Parkash)  
Environmental Engineer

For & on behalf  
of

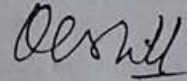
(Punjab Pollution Control Board)

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Page 6





02/12/2020

**(Om Parkash)**  
**Environmental Engineer**

*For & on behalf*

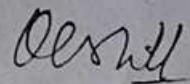
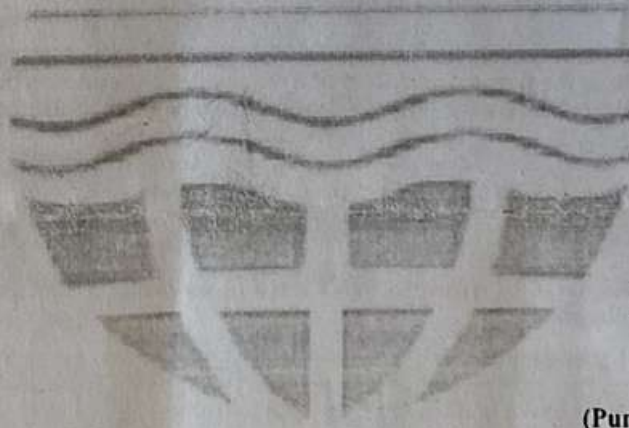
*of*

**(Punjab Pollution Control Board)**

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:  
Environmental Engineer, Regional Office, Fatehgarh Sahib.



02/12/2020

**(Om Parkash)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**



#### A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate.
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter ( $D_e$ ) shall be calculated from the following equation to determine upstream, downstream distance:-  
$$D_e = 2 LW / (L+W)$$
  
Where L= length in mts. W= Width in mts.
  - ii) The sampling port shall be 7 to 10 cm in diameter
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

##### (i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building whichever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> in Kg/hr. $Q_p$ = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:



**B. SPECIAL CONDITIONS**

- 1) The industry shall comply with the guidelines of CGWA for abstraction of ground water.
- 2) The industry shall comply with the conditions of Environmental Clearance granted under EIA notification 14/09/2006.
- 3) The industry shall submit the completion certificate regarding adequacy of APCD's to be provided with the proposed induction furnaces of capacity 15 TPH each from PSCST, Chandigarh before obtaining varied consent to operate from the Board.
- 4) The industry should confirm to the following ambient noise level prescribed under Rule 13 (1) of Noise Pollution Regulation & Control) Rules, 2000 at their boundary limits:

Sr. No. Type of area Parameters Limit in dB(A) Leq

	Day Time	Night Time
1. Industrial Area	75	70
2. Commercial Area	65	55
3. Residential Area	55	45
4. Silence Zone	50	40

Note:

- i. Day time shall mean from 6:00 a.m. to 10:00 p.m
- ii. Night time shall mean from 10:00 pm to 6:00 a.m

5. The industry shall appoint dedicated staff for operation and maintenances of APCD's.
6. The industry shall comply with the SOPs prescribed by the Board for induction furnaces.
7. The industry shall dismantle the existing induction furnaces of capacity 4 TPH & 6 TPH before the commissioning of the proposed two no. induction furnaces of capacity 15 TPH each.



*(Signature)*

02/12/2020

**(Om Parkash)**  
**Environmental Engineer**

For & on behalf

of

**(Punjab Pollution Control Board)**

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# Eco Laboratories & Consultants Pvt. Ltd.

CIN : U74140PB2011PTC034739

## TEST REPORT



TC-7477

ULR No. : TC747721000002673F		Test Report No. : EL170521NW002	
Type of Sample : Water (Ground Water)		Date of Reporting : 19/05/2021	
Customer	Punjab Steels at Village Tooran, Amloh Road, Teh. Amloh, Mandi Gobindgarh, Distt Fatehgarh Sahib, Punjab	Work Order No. & Date	EL/PS/TEL/1287 Dt.: 07/05/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/05/2021	Date of Receipt of Sample	17/05/2021
Sampling Location	From Borewell (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	17/05/2021 To 19/05/2021
Sample Description Clear, colourless liquid.			
Packing, Markings, Seal & Qty.		2 litre Plastic & 250ml Glass Bottle Marked 'S/17/01'	

## RESULTS

### I -Chemical Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL(DL5)	5	15	IS:3025(P-4):1983 RA2017
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (P-5): 1983 RA 2018
3	pH	-	7.21	6.5-8.5	No relaxation	IS:3025(P-11): 1984RA2017
4	Turbidity	NTU	BDL(DL0.1)	1	5	IS:3025(P-10):1984 RA2017
5	Chloride	mg/l	64	250	1000	IS:3025(P-32) :1988 RA2019
6	Iron	mg/l	0.21	1.0	No relaxation	IS:3025(P-53):2003 RA 2019
7	Total hardness	mg/l	390	200	600	IS:3025(P-21) :2009 RA2019

### II -Biological Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliforms	CFU/100ml	Absent	Absent	-	IS:15185 :2016

Checked by QA

Simranjit Kaur  
Authorized Signatory-Biological

Dr Rai Singh  
Authorized Signatory-Chemical

Format No. F/7.8.2-W-01-18.06.20 Rev 05

Page No. 1/2

**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org



TC-7477

ULR No. : TC747721000002673F

Test Report No. : EL170521NW002

Type of Sample : Water (Ground Water)

Date of Reporting : 19/05/2021

Remarks : NA

**OTHER INFORMATION**

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

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

Checked by QA

Format No. F/7.8.2-W-01-18.06.20 Rev 05

Simranjit Kaur  
Authorized Signatory-Biological

Dr Rai Singh  
Authorized Signatory-Chemical

Page No. 2/2



## TEST REPORT



ULR No. : NA		Test Report No. : EL170521NW002/A	
Type of Sample : Water (Ground Water)		Date of Reporting : 19/05/2021	
Customer	Punjab Steels at Village Tooran, Amloh Road, Teh. Amloh, Mandi Gobindgarh, Distt Fatehgarh Sahib, Punjab	Work Order No. & Date	EL/PS/TEL/1287 Dt.: 07/05/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/05/2021	Date of Receipt of Sample	17/05/2021
Sampling Location	From Borewell (Project Site)	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	17/05/2021 To 19/05/2021
Sample Description	Clear, colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'S/17/01'		

## RESULTS

### II -Biological Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Escherichia coli	CFU/100ml	Absent	Absent	-	IS:15185:2016

Remarks : This test report is the part of Test Report No.EL170521NW002

### OTHER INFORMATION

#### Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

#### Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

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

Checked by QA

Format No. F/7.8.2-W-01-18.06.20 Rev 05



Simranjit Kaur

Authorized Signatory-Biological

Page No. 1/1

**ECO BHAWAN**

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

0172-4616225 9781303109 consulteco@yahoo.com | ecolab@ecoparyavaran.org www.ecoparyavaran.org

## TEST REPORT



TC-7477

ULR No. : TC747721000002672F		Test Report No. : EL170521NS002	
Type of Sample : Soil		Date of Reporting : 19/05/2021	
Customer	Punjab Steels at Village Tooran, Amloh Road, Teh. Amloh, Mandi Gobindgarh, Distt Fatehgarh Sahib, Punjab	Work Order No. & Date	EL/PS/TEL/1287 Dt.: 07/05/2021
		Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/05/2021	Date of Receipt of Sample	17/05/2021
Sampling Location	From Project Site	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	17/05/2021 To 19/05/2021
Sample Description	Brown colored soil.		
Packing, Markings, Seal & Qty.	5 Kg Poly Bag Marked 'S/17/01'		

## RESULTS

### I. Chemical Testing

#### 1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	8.32	IS: 2720 (P-26 ) 1987 RA2016
2	Conductivity	mmhos/cm	0.312	IS:14767: 2000 RA2016
3	Moisture Content	%	10.1	IS: 2720 (P-II) 1973 R 2015
4	Organic Matter	%	1.92	IS: 2720 (Part XXII ) 1972 R2015
5	Texture	--	Sandy loam	IS: 2720(P- 4 ) 1985 RA 2015
6	Bulk Density	gm/cc	1.73	IS: 2720(P - VII):1980 RA 2016

Remarks : NA

### OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

✓  
Checked by QA



Dr Rai Singh

Authorized Signatory-Chemical



## TEST REPORT



TC-7477

ULR No. : TC747721000002701F		Test Report No. : EL180521NA002	
Type of Sample : Ambient Air Quality		Date of Reporting : 19/05/2021	
Customer	Punjab Steels at Village Tooran, Amloh Road, Teh. Amloh, Mandi Gobindgarh, Distt Fatehgarh Sahib, Punjab	Work Order No. & Date	EL/PS/TEL/1287 Dt.: 07/05/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/05/2021	Date of Receipt of Sample	18/05/2021
Sampling Location	Near Main Gate	Period of Analysis	18/05/2021 To 19/05/2021
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Environmental Conditions	Clear sky
Testing Location	Site Testing & Permanent Facility		

## RESULTS

### I-Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Particulate Matter (as PM10)	µg/m <sup>3</sup>	90	100	IS: 5182 (Part-23) : 2006, RA 2017
2	Particulate Matter (as PM2.5)	µg/m <sup>3</sup>	50	60	Lab SOP: EL/SOP/AAQ/01
3	Sulphur Dioxide (as SO2)	µg/m <sup>3</sup>	12	80	IS: 5182 (Part-2) : 2001, RA 2017
4	Nitrogen Dioxide (as NO2)	µg/m <sup>3</sup>	26	80	IS: 5182 (Part-6) : 2006, RA 2017
5	Ammonia (as NH3)	µg/m <sup>3</sup>	19	400	Lab SOP: EL/SOP/AAQ/02
6	Ozone (as O3)	µg/m <sup>3</sup>	27	180	IS: 5182 (Part-9) : 1974, RA 2019
7	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.67	04	IS: 5182 (Part-10) :1999, RA 2019

Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

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

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Checked by QA



Dr Rai Singh  
Authorized Signatory-Chemical

Format No.: F/7.8.2-AA-01-26.11.19 Rev 04

Page No. 1/1



## TEST REPORT



TC-7477

ULR No. : TC747721000002702F		Test Report No. : EL180521NN002	
Type of Sample : Ambient Noise		Date of Reporting : 19/05/2021	
Customer	Punjab Steels at Village Tooran, Amloh Road, Teh. Amloh, Mandi Gobindgarh, Distt Fatehgarh Sahib, Punjab	Work Order No. & Date	EL/PS/TEL/1287 Dt.: 07/05/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	17/05/2021	Date of Receipt of Sample	18/05/2021
Sampling Location	Near Sales Office	Period of Analysis	18/05/2021 To 18/05/2021
Testing Protocol	IS 9989-1989, RA 2008		
Testing Location	Site Testing		

## RESULTS

### I- Chemical Testing

#### 1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	68.2	LAB SOP: EL/SOP/NL/01

#### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

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

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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

Remarks : NA

### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

*L. Taul*  
Checked by QA



Dr Rai Singh  
Authorized Signatory-Chemical

Format No.: F/7.8.2-AN-01-26.11.19 Rev04

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## NEWSPAPER ADVERTISEMENT

**PUBLIC NOTICE**

It is for the information of General Public that M/s Punjab Steels has been granted Environmental Clearance by State Level Environment Impact Assessment Authority (SEIAA), Punjab for Expansion of its Steel Manufacturing Unit located at Village Tooran, Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab, vide Letter No. DECC/SEIAA/2020/1941 dated 08.09.2020 through our Environmental Consultant "M/s Eco Laboratories & Consultants Pvt. Ltd., Mohali". Copy of the Environmental Clearance and the conditions is available at Environmental Clearance portal of MOEF and at <http://www.punjabsteels.tk/> for reference.

**M/s Punjab Steels Village Tooran, Amloh Road Mandi Gobindgarh, Distt. Fatehgarh Sahib-147301, Punjab**

**M/s. Eco Laboratories & Consultants Pvt. Ltd.**  
E-207, Industrial Area, Phase VIII-B, Sector-74, Mohali, Punjab

**PUNJAB EXPRESS 19.09.2020**

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**ROZANA SPOKESMAN DATED-19.09.2020**

## SNAPSHOT OF WEBSITE

Link: <http://www.punjabsteels.tk/>

