Item No. 178.14

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forest & Climate Change, Government of India
O/o Directorate of Environment & Climate Change
MGSIPA Complex, Sector 26,
Chandigarh-160019
seiaapb2017@gmail.com

No. SEIAA/MS/2021/3752 Registered/E-mail **Date:** 07/04/2021

To

Sh. Dinesh Garg, Director
M/s Behari Lal Ispat Pvt. Ltd.,
Village- Salani, Amloh Road, Mandi Gobindgarh,
District- Fatehgarh Sahib, Punjab
Email: works.bli@gmail.com
Mobile No. 98140-30694,

Subject: **Environmental Clearance for expansion in the existing steel Manufacturing unit by replacing 1 nos Induction furnace (7 TPH) having production capacity 29,520 TPA with Induction furnaces (2x15 TPH) enhancing total production capacity to 1,29,600 TPA by M/s Behari Lal Ispat Pvt. Ltd, located at Village- Salani, Amloh Road, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/60322/2018).**

This has reference to your online Proposal No. SIA/PB/IND/60322/2018 for expansion in the existing steel manufacturing unit by replacing 1 nos Induction furnace (7 TPH) having production capacity 29,520 TPA with Induction furnaces (2x15 TPH) enhancing total production capacity to 1,29,600 TPA, located at Village- Salani, Amloh Road, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab. As per EIA Notification,14.09.2006, the project falls under B1 category, Activity 3(a) – Secondary Metallurgical Industries (ferrous & Non-ferrous) of schedule appended to the said notification. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification on the basis of the mandatory documents enclosed with the application viz., Form 2, EIA report & subsequent presentation /clarifications made by the project proponent & his consultant to the observations of SEIAA and SEAC. The salient features of the project are as under:-

Sr. No	Particulars	Details
1.	Name of Project	M/s Behari Lal Ispat Pvt. Ltd. Village- Salani, Amloh road, Mandi Gobindgarh, Fatehgarh Sahib, Punjab .
2.	a) Category b) Activity	(a) B-1 (b) Metallurgical Industries (ferrous & non ferrous), Schedule 3(a) as per EIA notification-2006

3.	Total Project Cost.	Rs. 19.75 Crore

4. Details of technology proposed for control of emissions & effluents generated from project

Sr. No.	Details	Technology to be adopted by after expansion
1	APCD with the 15 TPH induction furnace each	Pulse jet bag filter with offline technology.
2	STP of capacity 25 KLD to treat the domestic waste water	MBBR technology

5. Plot Area Details

Sr.No.	Particulars	Area in sqm
i)	Shed Covered Area	14105.48
ii)	Office Block Covd Area	214.77
iii)	Stores rooms, Kitchen/Canteen, First Aid room, Toilet Block etc.	898.97
iv)	Plantation Area	16171.00
v)	Passage Area	6040.89
vi)	Total Parking area	2225.72
vii)	Open Area and Other Area	9265.75
viii)	Total Area	48922.58

6. Type of project land as per master plan

As per letter no. 159 dated 12.02.2019 issued by the District Town Planer, the site falls in the Industrial Zone.

7. Co-ordinates of all the corners of the project site

Point	Latitude	Longitude
A	30°38'00.20"N	76°15'20.33"E
B	30°38'04.27"N	76°15'17.30"E
C	30°38'06.62"N	76°15'24.20"E
D	30°38'04.45"N	76°15'25.89"E

8. Raw material details:

S. no.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	MS Scrap	32,150	1,40,200	1,40,200
2.	Ferro alloys	216	3,000	3,000

9. Production Capacity details

Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)
Steel Ingots/billets, Steel Castings, Steel Roll	29,520 TPA	1,00,080 TPA	1,29,600 TPA

10. Details of major productive machinery/plant

Sr. No.	Description	Existing	Proposed	After Expansion
1.	Induction Furnace	1 X 7 TPH	2 X 15 TPH	2X15 TPH
2.	L.R.F, VD	---	1No. each	1No. each

		3.	Concast Machine	---	1 No.	1 No.
		4.	Heat treatment Furnace	2 No.	2 No.	4 No.
		5.	D.G. Set	125 kVA	--	125 kVA
		6.	Scrap Cutting Machine	1 No.	---	1 No.
		7.	Scrap Bending Press	---	01 No.	01 No.
		8.	Re-circularly Cooling	02 No.	---	02 no.
		9.	EOT Crane	01 No.	01 No.	02 No.
11.	Manpower requirement	200 persons				
12.	Details of Emissions (After expansion)					

Existing				
Sr. No.	Source of stack emission	Capacity	Stack height (m)	APCD
1.	Induction Furnace	7 TPH	30m above ground level	Bag filter House.
2.	D.G. Set	1X125 kVA	2.5m above roof level	Equipped with Canopy.
After Expansion				
3.	Induction Furnace	2X15 TPH	30m above ground level	Pulse Jet bag filter with offline cleaning technology.
4.	D.G. Set	1X125 kVA	2.5m above roof level	Equipped with Canopy.

13. Hazardous Waste Generation details & its disposal.

Sr. no.	Waste Category	Existing	After Expansion	Disposal
1.	35.1 Flue gas Cleaning residue	3 TPA	280 TPA	Waste will be disposed to M/s Shiva Tile Works.
2.	5.1 i.e. Used oil/spent oil	0.02 KL/year	0.02 KL/annum	Sold to the authorized recycler

14. Solid Waste generation and its mode of disposal:

Details	Total Quantity after expansion	Disposal method
Solid Waste	8 kg/day	Sold to recycler.
Slag	21.34 TPD	Slag will be disposed-off to Shiva tiles.

15. Breakup of Water Requirements & its source in Operation Phase:

Sr. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
1.	Domestic water demand	5.0	8.5	13.5
2.	Make up water demand for cooling purpose	2.0	40.0	42.0
Total		7.0	48.5	55.5
3.	Green area water demand	Summer: 89 KLD Winter : 29 KLD Rainy : 08 KLD		

Sources of water:

Sr.No.	Purposes	Source of water
1.	Domestic	Ground water
2.	Make-up water demand for cooling	Treated waste water
3.	Green area water demand	Treated waste water

16. Waste water generation & its disposal Arrangement in Operation Phase:

Sr. No.	Description	Existing	After Expansion	Mitigation Measures/Remarks
1.	Industrial Effluent	NIL	NIL	No generation of industrial effluent
2.	Domestic	4.0 KLD	10.8 KLD	STP of 25 KLD will be installed & treated water will be used in Plantation/Green area.

17. Block wise details of no. of trees to be planted in proposed

Sr. No.	Description	Area (m2)	No. of plants
i)	Green area-A	12820	1922
ii)	Green area-B	670	100
iii)	Green area-C	856	128
iv)	Green area-D	223	33

	greenbelt area	v)	Green area-E	651	98
		vi)	Green area-F	298	45
		vii)	Green area- G	47	7
		viii)	Green area- H	326	49
		ix)	Green area- I	280	42
			Total	16171	2424
		Note: Site layout plan marked with green area is attached as Annexure-I			
18.	a. Energy requirements & savings	a. The details of the energy are given below:			

S. No.	Description	Unit	Existing	Proposed	Total
1.	Power load	KW	4000	15000	19000
2.	D.G sets	KVA	125kVA-01 No.	---	125kVA-01 No.

b. Energy saving measures to be adopted within industry

Energy Saving measures:

a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets

The case was considered by the SEAC in its 196th meeting held on 01.03.2021, wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications to 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 for expansion in the existing Steel Manufacturing unit by replacement of 1 no. existing induction furnace of 7 TPH capacity having production of 29,520 TPA with 2 no. induction furnaces of 15 TPH capacity each enhancing total production capacity to 1,29,600 TPA and concast plant located at Village- Salani, Amloh road, Mandi Gobindgarh, Fatehgarh Sahib, Punjab 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 178th meeting held on 22.03.2021. 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.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of existing steel Manufacturing unit by replacement of 1 no. existing induction furnace of 7 TPH capacity having production of 29,520 TPA with 2 no. induction furnaces of 15 TPH capacity each enhancing total production capacity to 1,29,600 TPA and concast plant located at Village-Salani, Amloh road, Mandi Gobindgarh, Fatehgarh Sahib, Punjab, as per the details mentioned in Form 2, EIA report & subsequent presentation /clarifications made by the project proponent & his consultant with proposed measures, conditions as recommended by SEAC and addition of the certain condition.

Accordingly, SEIAA, Punjab hereby accords Environmental Clearance for the expansion of above project under the provisions of EIA Notification dated 14.09.2006, 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, 1986, 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 groundwater 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 the competent authority.

vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vii. 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.

viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) 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

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 system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the 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 the 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 25 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 the maximum possible extent. For this, a pond at village Salani, Amloh Road, Mandi Gobindgarh having recharge potential of volume @ 26655 m3 shall be adopted to recharge the water @ 39982 m3/annum. As an additional safety measure, the stream carrying waste water

of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the 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. A tank of 25 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

vii. 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 of 16171 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 2424 trees to be planted without accounting the shrubs. Out of 2424,724 trees have already been planted like Amaltas, Arjun, Jamun, Mulberry, Mango, Amla, Popular and the balance 1700 more trees of species of Jamun, Arjun, Ashoka, Sagwan will be planted in coming monsoon season.

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.

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.

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 organization will spend Rs. 10.0 lacs towards the Corporate Environmental Responsibility for undertaking the environmental activities as defined in CER circular issued by MoEF &CC. The amount will be spent in Parbhat Puri Charitable Hospital, Mandi Gobindgarh, following CER activities:

Sr. No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
				Start	End
1.	Maruti Omni MPI Ambulance	Infrastructure	5.0	August 2021	-
2.	Equipment for operation theatre	Infrastructure	2.0	Feb. 2022	April 2022
3.	Hospital beds	Infrastructure	1.0	July 2022	August 2022
4.	Wheel Chairs	Infrastructure	1.0	Nov. 2022	Dec. 2022
5.	Water coolers and filters	Health and Sanitation	1.0	June 2023	July 2023
Total			10.0 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 spend a minimum amount of Rs 171.05 Lacs towards the capital cost and Rs 16.1 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

Sr. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	--
2.	Air Pollution Control (Installation of APCD)	110.0	10.0
3.	Water Pollution Control/ STP up-gradation	25.0	2.0
4.	Noise Pollution Control	1.0	---
5.	Green belt Development	6.5	2.0
6.	Solid Waste Management	4.0	05
7.	Occupational Health, Safety and Risk Management	5.0	06
8.	RWH	6.0	0.5
9.	Miscellaneous	5.0	--
	Total	171.5	16.1

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report. 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.

XI. 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.

XII. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

x. No further expansion or modifications in the plant shall be carried out 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.

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.

XIII. Additional Specific Conditions decided during the meeting of SEAC:

i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the revised Environment Management Plan. Further, they will upgrade existing APCD of flow rate 36000m3/hr to 75000m3/hr for 1no. proposed induction furnace (15TPH) and will install separate Air Pollution Control Devices (Pulse jet bag filter with offline cleaning technology) for another two proposed Induction Furnaces of 15 TPH capacity each. The flow rate for each APCD will be 75000m3/hr.

ii) The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.

iii) 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.

iv) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 55.50 KLD to meet the requirement of Industrial, domestic & green belt.

v) The project proponent shall construct rain water tank of capacity 25KLD to store rain water run off generated from the roof top during monsoon season within its premises.

vi) The project proponent shall dispose of slag @ 21.34 TPD as per the agreement made with the interlocking tile manufacturing units.

vii) The project proponent shall dispose of APCD dust @ 0.8 TPD to M/s Madhav Alloys Pvt. Ltd.

viii) 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.

ix) The project proponent shall provide STP of 25KLD for treatment of waste water & reutilization of the treated water for non- portable use 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.

x) The project proponent shall reuse of cooling tower blow down, 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.

xi) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. At least 3 samples i.e one from within the premises and two from outside the premises of the project shall be taken.

xii) 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.

xiii) 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.

xiv) 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.

xv) 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.

xvi) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xvii) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

xviii) 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.

XIV. Additional Specific Conditions decided during the meeting of SEIAA:

i) The Project Proponent shall include and carry out the activities proposed under Corporate Environment Responsibility in the proposed Environment Management Plan.

o/c **Member Secretary**

Endst. No. 3753-3761 **Through E-mail** **Date** 07/04/2021

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, 6th 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. Dinesh Garg, Director
   b) Phone Number : 98140-30694,
   c) Email Id : works.bli@gmail.com
9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110003.

o/c **Member Secretary**