



**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Issued by the State Environment Impact Assessment**  
**Authority(SEIAA), Punjab)**

To,

The Managing Director  
M/S AARTI STEELS LIMITED (MACHHIWARA PLANT)  
Village Harian, P.O. Upal, machhiwara road, -141010

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/PB/IND/73698/2021 dated 05 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | <b>EC22B008PB199921</b>  |
| 2. File No.                                | SEIAA/PB/IND/2022/EC/11  |
| 3. Project Type                            | New  |
| 4. Category                                | B1   |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous)  |
| 6. Name of Project                         | Expansion in existing Steel manufacturing unit namely AARTI STEELS LIMITED located at village Harian P.O. Uppal Machhiwara road Tehsil Koom Kalan District Ludhiana Punjab . |
| 7. Name of Company/Organization            | M/S AARTI STEELS LIMITED (MACHHIWARA PLANT)  |
| 8. Location of Project                     | Punjab   |
| 9. TOR Date                                | 04 May 2021  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 12/05/2022

(e-signed)  
**Rajesh Dhiman, IAS**  
**Member Secretary**  
**SEIAA - (Punjab)**

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

*This is a computer generated cover page.*



This has reference to your online proposal no. SIA/PB/IND /73698 /2021 dated 05.04.2022 for environmental clearance to the above-mentioned project.

2) State Environment Impact Assessment Authority (SEIAA), Punjab has examined the proposal for expansion of the steel manufacturing unit "M/s Aarti Steel Limited (Machhiwara Plant)" from the existing capacity of 28,000 TPA of Steel Billets/Ingots to 2,90,500 TPA of Steel Billets/Ingots and Rolled/Flats products having capacity 1,40,000 TPA to 2,90,500 TPA by addition of two induction Furnaces, up-gradation of a rolling mill at Village Harian, P.O. Uppal, Machiwara Road, Tehsil Koom Kalan, District Ludhiana, Punjab. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, dated 14.09.2006 and its subsequent amendments and requires appraisal at the State level.

3) State Environment Impact Assessment Authority (SEIAA), Punjab had granted Terms of Reference (TOR) vide letter no. SEIAA/MS/2021/4007 dated 04.05.2021 to the project proponent. Punjab Pollution Control Board has conducted the public hearing for the project on 21.10.2021.

4) The proposal has been appraised as per the procedure prescribed under the provisions of EIA Notification 14.09.2006 based on mandatory documents enclosed with the application viz Form-2, EIA, EMP, and additional documents and subsequent presentation /clarifications made by the project proponent and his consultant to the observations of SEIAA and SEAC.

5) As per the report of the Punjab Pollution Control Board sent by vide letter no. 1261 dated 21.01.2022, no proposed machinery has been installed/arrived at the site. Further, the District Town Planner, Ludhiana letter no. 2457 dated 23.10.2020 informed that the site falls in the Industrial Area as per the Master Plan, Samrala (2012-31). As such, the site is conforming to the general sitting guidelines prescribed for such types of units.

6) This is a Fresh EC project as the existing unit does not attract the provisions of EIA Notification, 14.09.2006. The details of the project, as per the application and documents/ presentation submitted by the project proponent and also as informed during the meetings of SEAC/SEIAA are as under:

Sr. No.	Item	Details		
1.	Name & Location of the project	M/s Aarti Steels Limited (Machhiwara Plant) Village- Harian, P.O. Uppal, Tehsil- Koom Kalan, Machhiwara Road, District- Ludhiana, Punjab.		
2.	Latitude & Longitude	Corner	Latitude	Longitude
		A	30°54'27.07"N	76°07'48.90"E
		B	30°54'24.15"N	76°07'56.29"E
		C	30°54'19.62"N	76°08'00.67"E
		D	30°54'12.25"N	76°08'00.86"E
		E	30°54'12.39"N	76°07'49.99"E

3.	Project/activity covered	(a) B-1 (b) Metallurgical Industries (Ferrous & Non-ferrous) & Schedule 3(a) as per EIA notification-2006.				
4.	Classification/Land use pattern as per Master Plan	Industrial Zone.				
5.	Cost of the project (after expansion)	Rs. 204.04 Crore				
6.	Working days	350 days				
7.	Plot Area Details	22.885 acres or 92,613 sqm				
8.	Area Break-up Details	Sr. No.	Particulars			Area in Sqm
		1.	Shed area (All Machinery)			21610
		2.	Finished Good Storage area			7456
		3.	APCD area			610
		4.	Slag storage area			650
		5.	APCD Dust (Hazardous waste) storage area			100
		6.	Green area			30562
		7.	Scrap area			2560
		8.	STP area			100
		9.	Parking area			356
		10.	Admin. Office area			300
		11.	Road & open area			21266
		12.	Utility area			7043
		Total area				92613
9.	Raw Material details	Raw Materials	Existing (TPA)	Proposed (TPA)	Total After Expansion (TPA)	
		MS Scrap, CI, Sponge Iron, Ferro Alloys (TPA)	30,800	2,88,750	3,19,550	
10.	Production Capacity details	Product Name	Existing (TPA)	Proposed (TPA)	Total after expansion (TPA)	
		Steel Billets/ Ingots	28,000	2,62,500	2,90,500	
		Rolled/Flats Products	1,40,000	1,50,000	2,90,500	
11.	Details of major productive machinery/ plant	Sr. No.	Machinery	Existing	Proposed	After Expansion
		1.	Induction	1X8	2X25 TPH	1X8 TPH

			Furnace	TPH		2X25 TPH
			Ladle Refining Furnace	Nil	30TPH	30 TPH
		2.	Rolling Mill	1	Upgradation of rolling mill	
		3.	VD	-	1	1
		4	CCM	1	-	1
12.	Details of the technology proposed for control of emissions & effluents generated from the project					
	Sr. No.	Source of emission	Capacity	Technology to be adopted		Capacity
	1.	Induction Furnace	1x8 TPH	Spark arrester followed by pulse jet bag filter house with Offline Technology having 280 bags of sizes 150 mm dia and 3000 mm in length along with 30 m common stack height		ID fan of 36,000 m3/hr capacity attached with 120 HP electric motor
	2.	Induction Furnace	2x25 TPH	Separate APCD for both Induction Furnaces consisting of Spark arrester followed by pulse jet bag filter house with Offline Technology having 1080 bags of sizes 150 mm dia and 4250 mm in length along with 30 m common stack height		ID fan of 1,20,000 m3/hr capacity attached with 300 HP electric motor
	3.	LRF with VD	30 TPH	Spark arrester followed by pulse jet bag filter house with Offline Technology having 280 bags of sizes 150 mm dia and 4250 mm in length along with 30 m common stack height		ID fan of 36,000 m3/hr capacity attached with 120 HP electric motor
	4.	Rolling mill	-	Cyclone Separator followed by Alkali Scrubber along with 30 m common stack height		ID fan of 40,000 m3/hr capacity attached with 75 kW electric motor
	5.	D.G. Set	1x500 kVA	Stack of adequate height attached with canopy.		-
	6.	STP		MBBR technology		30 KLD
13.	Manpower Requirement (After expansion)		661 persons			



14.	Break-up of Water Requirements & its source in Operation Phase	Total Water requirement- 650 KLD Domestic water demand- 33 KLD Cooling (makeup water) – 617 KLD Source: Existing Tubewell																															
15.	Wastewater generation & its disposal Arrangement in Operation Phase	<table><tr><th>Sr. No.</th><th>Description</th><th>Total</th><th>Mitigation Measures/ Remarks</th></tr><tr><td>1.</td><td>Domestic wastewater</td><td>26.4 KLD</td><td>Will be treated in the proposed STP of capacity 30 KLD and treated wastewater will be used in Plantation/Green area.</td></tr><tr><td>2.</td><td>Industrial effluent</td><td>3.0KLD</td><td>Blowdown water to be sent to the collection tank of treated wastewater.</td></tr></table>	Sr. No.	Description	Total	Mitigation Measures/ Remarks	1.	Domestic wastewater	26.4 KLD	Will be treated in the proposed STP of capacity 30 KLD and treated wastewater will be used in Plantation/Green area.	2.	Industrial effluent	3.0KLD	Blowdown water to be sent to the collection tank of treated wastewater.																			
Sr. No.	Description	Total	Mitigation Measures/ Remarks																														
1.	Domestic wastewater	26.4 KLD	Will be treated in the proposed STP of capacity 30 KLD and treated wastewater will be used in Plantation/Green area.																														
2.	Industrial effluent	3.0KLD	Blowdown water to be sent to the collection tank of treated wastewater.																														
16.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization, and disposal.	<table><tr><th colspan="4">Hazardous Waste</th></tr><tr><th>S. No.</th><th>Waste category</th><th>Total after expansion</th><th>Disposal</th></tr><tr><td>1.</td><td>Category 5.1 Used oil</td><td>0.03 KLA</td><td>will be used as a lubricant within the premises.</td></tr><tr><td>2.</td><td>Category 35.1 Flue gas cleaning residue</td><td>4.26 TPD</td><td>Will be sent to the TSDF site for final disposal.</td></tr></table> <table><tr><th colspan="4">Non-Hazardous Waste</th></tr><tr><th>Sr. No.</th><th>Type of waste</th><th>Total after expansion</th><th>Disposal method</th></tr><tr><td>1.</td><td>Slag</td><td>46.74 TPD</td><td>Will be given to M/s Mandeep Puri &amp; Co for the manufacturing of Interlocking Tiles</td></tr></table>				Hazardous Waste				S. No.	Waste category	Total after expansion	Disposal	1.	Category 5.1 Used oil	0.03 KLA	will be used as a lubricant within the premises.	2.	Category 35.1 Flue gas cleaning residue	4.26 TPD	Will be sent to the TSDF site for final disposal.	Non-Hazardous Waste				Sr. No.	Type of waste	Total after expansion	Disposal method	1.	Slag	46.74 TPD	Will be given to M/s Mandeep Puri & Co for the manufacturing of Interlocking Tiles
Hazardous Waste																																	
S. No.	Waste category	Total after expansion	Disposal																														
1.	Category 5.1 Used oil	0.03 KLA	will be used as a lubricant within the premises.																														
2.	Category 35.1 Flue gas cleaning residue	4.26 TPD	Will be sent to the TSDF site for final disposal.																														
Non-Hazardous Waste																																	
Sr. No.	Type of waste	Total after expansion	Disposal method																														
1.	Slag	46.74 TPD	Will be given to M/s Mandeep Puri & Co for the manufacturing of Interlocking Tiles																														
17.	Solid Waste generation and its mode of disposal	<table><tr><th>Sr. No.</th><th>Type of waste</th><th>Total after expansion</th><th>Disposal method</th></tr><tr><td>1.</td><td>Domestic Solid waste</td><td>80 kg/day</td><td>Disposed of as per Solid Waste Management Rules, 2016</td></tr></table> <p>Solid wastes will be appropriately segregated at the source. by providing bins for recyclable, Bio-degradable Components, and non-biodegradable. Biodegradable waste shall be converted into compost through composting pits. Recyclable waste shall be sold to recyclers. Non-bio-degradable waste will be disposed of as per the Solid Waste Management Rules, 2016 and amendments thereof.</p>	Sr. No.	Type of waste	Total after expansion	Disposal method	1.	Domestic Solid waste	80 kg/day	Disposed of as per Solid Waste Management Rules, 2016																							
Sr. No.	Type of waste	Total after expansion	Disposal method																														
1.	Domestic Solid waste	80 kg/day	Disposed of as per Solid Waste Management Rules, 2016																														

18.	Energy requirements & savings	<p>a) A total of 51 MW of energy will be required for the project which will be met from PSPCL.</p> <p>b) DG sets of Capacity 1 x 1500 KVA will be installed equipped with canopies and adequate stack heights.</p> <p>c) LEDs are being provided in the existing industrial unit. Similarly, after expansion LEDs will be provided in place of CFLs.</p> <p>d) Energy-efficient Induction Furnaces and other machinery will be installed.</p>
-----	-------------------------------	--

7) As per the undertaking submitted by Project Proponent, the proposal neither requires approval/clearance under the Forest (Conservation) Act, 1980 nor under the Wildlife (Protection) Act, 1972. Also, no litigation is pending in respect of the land on which the project is to be developed.

8) The SEAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the project proponent in the desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the project proponent in its 218<sup>th</sup> meeting held on 11.04.2022. The SEAC noted that the project proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of the data/information submitted is found to be false/misleading at any stage, the project may be rejected and Environmental Clearance given, if any, may be revoked at the risk and cost of the project proponent.

9) The Committee noted that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance for the expansion of the existing Steel Manufacturing Unit namely M/s Aarti Steel Limited (Machhiwara Plant)" from the existing capacity of 28,000 TPA of Steel Billets/Ingots to 2,90,500 TPA of Steel Billets/Ingots and Rolled/Flats products having capacity 1,40,000 TPA to 2,90,500 TPA by addition of 2 induction Furnaces and up-gradation of a rolling mill at Village Harian, P.O. Uppal, Machiwara Road, Tehsil Koom Kalan, District Ludhiana, Punjab, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant.

10) The case was considered by the SEIAA in its 205<sup>th</sup> meeting held on 26.04.2022 wherein SEIAA observed that the case stands recommended by SEAC. 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 the Environmental Clearance for the expansion of the existing Steel Manufacturing Unit M/s Aarti Steel Limited (Machhiwara Plant)" from existing capacity of 28,000 TPA of Steel Billets/Ingots to 2,90,500 TPA of Steel Billets/Ingots and Rolled/Flats products having capacity 1,40,000 TPA to 2,90,500 TPA by addition of 2

induction Furnaces and up-gradation of a rolling mill at Village Harian, P.O. Uppal, Machiwar Road, Tehsil Koom Kalan, District Ludhiana, Punjab as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures, conditions as proposed by SEAC in addition to the proposed measures.

11) Accordingly, SEIAA, Punjab hereby accords Environmental Clearance to the aforesaid project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments subject to proposed measures and strict compliance with terms and conditions as follows:

**I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes 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 the 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 groundwater 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 types 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 31<sup>st</sup> 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 specifications 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 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<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 a 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 stationary 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 systems 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, and Oil Cellars should be ensured.



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

- i. The project proponent shall monitor regularly groundwater 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. 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 runoff.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, 3 no. of ponds at Village Chhandran, Kot Gangu Rai & Uchchi Mangli having recharge potential of volume @ 2,42,811.24 m<sup>3</sup> shall be adopted to recharge the water @ 2,27,500 KL/annum. As an additional safety measure, the stream carrying wastewater of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, and 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 groundwater aquifer. Pond water will percolate through natural strata (without injection) to augment the groundwater and the remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use, and recycling treated water.

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

- i. A noise level survey shall be carried out 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 a 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 daytime 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, a solar light system for all common areas, street lights, parking around the project area, and maintain the same regularly.
- iii. The project proponent shall provide LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

## **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 a 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 compost or biogas for further use.

## **VII. Green Belt**

- i. "Green Belt" shall be developed in an area of 30562 sqm (equal to 33.31% of the plant area as per Annexure-1). The periphery areas and open spaces inside the plot should be developed as "Green Belt" areas. Total 4678 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Dreka, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakrasia, etc will be planted.
- ii. The Project Proponent shall develop a green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iii. The project proponent shall plant tall saplings having a height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iv. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

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

- i. An 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 the high-temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of the 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 regularly 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 committed during the public hearing as per the public hearing action plan.

- vi. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on the Parivesh portal.

#### **IX. Environment Management Plan**

- i. The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations 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 / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii. A separate Environmental Cell both at the project and company headquarters level, with qualified personnel, shall be set up under the control of the Senior Executive, who will directly report to the head of the organization.
- iii. An Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 703.5 Lacs towards the capital cost in the construction phase of the Project and Rs. 63.2 lacs towards the recurring cost in the operation phase of the project under the Environmental Management Plan (EMP) of the proposed project as per the details given in the table below:

<b>Sr. no.</b>	<b>Title</b>	<b>Capital Cost ₹ Lakh</b>	<b>Recurring Cost ₹ Lakh</b>
1	Pollution Control during the construction stage	2.0	---
2	Air Pollution Control (Installation of APCD)	300.0	10.0
3	Water Pollution Control (Installation of STP @ 30 KLD)	22.0	10.0
4	Green Belt development	42	42.0
5	Noise Pollution Control	1.0	0.1
6	Solid/ Hazardous Waste Management	7.5	---
7	Environment Monitoring and Management	5.0	0.10

8	Occupational Health, Safety and Risk Management	10.0	0.50
9	RWH	10.0	0.50
10	Miscellaneous	4.0	--
11	CER activities	300	--
	<b>TOTAL</b>	<b>703.5</b>	<b>₹ 63.2 Lakhs</b>

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

- iv. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- v. 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 ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 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 a 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 the 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 the 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, commitments made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports.

**XIII. Additional Conditions:**

- (i) The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- (ii) A detailed CER Plan of Rs 300 Lacs (1.5% of Project cost) will be prepared and submitted for approval to SEIAA, within 02 months' time.
- (iii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (ii) above.
- (iv) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC

conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

12) The SEIAA reserves the right to stipulate additional conditions if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time-bound manner. SEIAA may revoke or suspend the environmental clearance if the implementation of any of the above conditions is not found to be satisfactory.

13) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

14) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

15) The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991 read with subsequent amendments therein 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.

16) This issues with the approval of the Competent Authority.

**(Rajesh Dhiman, IAS)**  
**Member Secretary, SEIAA**

**Through Parivesh**

**Copy to: -**

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized Officer of the project proponent is as under:

- |                          |   |  |
|--------------------------|---|--|
| a) Name of the applicant | : | Sh. Vinayak Mittal, Managing Director  |
| b) Mobile No.            | : | 91-161-5244200   |
| c) Email Id              | : | <a href="mailto:vinayak@aartisteelsltd.com">vinayak@aartisteelsltd.com</a><br>aartimac14@gmail.com |

- d) Email ID of Env. Consultant : [cptleia@gmail.com](mailto:cptleia@gmail.com)
4. The Deputy Commissioner, Ludhiana.
  5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
  6. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
  7. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
  8. The Chief Town Planner, Department of Town & Country Planning, 6<sup>th</sup> Floor, PUDA Bhawan, Phase-8, Mohali.
  9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
  10. Parivesh Portal/Record File.



**(Rajesh Dhiman, IAS)**  
**Member Secretary, SEIAA**  
E-mail: [seiaapb2017@gmail.com](mailto:seiaapb2017@gmail.com)



# LAYOUT PLAN

