



AARTI STEEL INTERNATIONAL LIMITED

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CIN No.: U27320PB2020PLC052443

Date: 12.11.2024

To,

The Director,

Govt. of India, MOEF,

Northern Regional Office,

Bays No. 24-25,

Sector-31, Chandigarh.160030

Subject: Submission of six-monthly compliance report of M/s Aarti Steel International Limited formerly known as M/s Aarti Steels Limited located at Village Harian, P.O. Upal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab. For the Monitoring Period September, 2024.

Dear Sir,

This is in reference to the requirement stated in Environmental Clearance granted by Ministry of Environment, Forests, & Climate Change, Government of India, SEIAA, Punjab vide their letter No.: **SEIAA/PB/IND/2022/EC/11 Dated 12/05/2022** and subsequent amendment for change in name vide letter No.: **2024/EC/A/26 dated 15/03/2024**. Copy of the same was sent by them to your office as well.

As per the miscellaneous condition no. (v) of the Environment Clearance for our aforesaid project, we are herewith submitting the half yearly compliance report for the monitoring period ending September, 2024.

Thanking you & Regards

CONTACT DETAILS:

Name: -Sh. Vinayak Mittal

Designation: Managing Director

Phone No. 91-161-5244200

Email: krishankumar@aartisteelintl.com

Yours Sincerely,

For Aarti Steel International Limited


Authorized Signatory

1. **CC: Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate change, C/o Punjab Bio-Technology Incubator (PBTI Complex), Knowledge City, Sector-81, SAS Nagar-140308.
2. **The Environmental Engineer**, Punjab Pollution Control Board, Regional Office, Zonal Office-I, Ludhiana, Punjab.

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Ministry of Environment, Forest and Climate Change
Northern Region Office
Chandiagr-160030
DATA SHEET

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| 1 | Project Type | Steel Manufacturing unit |
| 2 | Name of Project | M/s Aarti Steel International Limited |
| 3 | Clearance letter No. Amendment Clearance letter No. Amendment Clearance File No. | SEIAA/PB/IND/2022/EC/11 Dated 12/05/2022 SEIAA/MS/2023/172 Dated 31/01/2023 2024/EC/A/26 Dated 15/03/2024 |
| 4 | Location: a) District (S) b) State (S) c) Latitudes d) Longitudes | Ludhiana Punjab 30°54'27.07"N, 30°54'12.39"N 76°07'48.90"E, 76°07'49.99"E |
| 5 | Address for Correspondence | Shri. Vinayak Mittal (Managing Director) Village-Harian, P.O. Uppal, Tehsil-Koom Kalan, Machhiwara Road, District- Ludhiana, Punjab. Phone: 91-161-5244200 |
| 6 | Salient features: a) of project | <p>“M/s Aarti Steel International Limited” formerly known as M/s Aarti Steels Limited an existing Secondary Metallurgical Process based industry. Initially the industry proposed to increase the production 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.</p> <p>Later on, the proposal was changed and according the environment clearance was amended to install 2 No. of Induction Furnace of capacity 8TPH & 15TPH and Electric Arc Furnace of capacity 35 TPH instead of 03 furnaces of capacities 8 TPH & 2X25TPH.</p> <p>With the proposed amendment, there will no alteration in the production capacity of the Steel Billets/Ingots and Rolled/Flats of 2,90,500 TPA.</p> <p>The total project cost of the unit after expansion will be</p> |

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| | b) EMP | Rs. 224.04 Cr. Power requirement will be 15 MW 703.5 Lac |
| 7 | Breakup of project Area a) Submerged area forest & non forest. b) Others | NIL 92613 (Sqm.) |
| 8 | Breakup of project affected population with enumeration of those losing houses/dwelling units only, agriculture land only both dwelling units and agriculture land and landless laborers/artisans a) SC/ST/Adivasis b) others | NA -- |
| 9 | Financial details a) Project cost as originally planned and subsequent revised estimates and the year of price rat reference. b) Allocation made for environmental management plans with item wise and year wise breakup. c) Benefit cost ratio/internal rate of return and year of assessment. d) Whether (c) includes the cost of environmental management as shown in b) above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the EMP so far | 204 Crore 703.5 Lac -- Yes 73.25 Crore 110 Lac |
| 10 | Forest land requirement: a) The status of approval for diversion of forest land for non –forestry use. b) Status of clear felling c) The status of compensatory a forestation, if any. d) Comments on the viability & sustainability of compensatory a forestation programs in the light of actual field experience so far. | NA NA NIL NIL |
| 11 | The status of clear felling in non-forest areas. | NIL |
| 12 | Status of construction: a) Date of commencement b) Date of completion. | September 2024. June 2025. |
| 13 | Reason for delay if any the projects yet to start. | NA |

COMPLIANCE OF STIPULATED CONDITIONS OF EC

| Sr. No. | EC Condition | Compliance status as on 30.09.2024 |
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| 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. | As no diversion of forest land is involved, no clearance is therefore required. |
| ii. | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. | Not Applicable: As no environment sensitivity is located within the buffer zone of project. |
| 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 in view of (ii) above. |
| 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. | CTE expansion as per the EC amendment have been obtained copy of the same enclosed as Annexure-V . For existing unit, CTO under the Air Act -1981 & the Water Act 1974 having validity up-to 30-09-2026 has already been obtained. Copy to the same attached as Annexure- IV . |
| v. | The project proponent shall obtain the necessary permission from the Central Ground Water | PWRDA permission already obtained. Copy of the same is attached as |

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| | 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. | Annexure-VI. Fresh ground water application as per the PWRDA Directions 2023 already filed. |
| vi. | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time. | Hazardous waste authorization already obtained for the existing production capacity. |
| 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. | Not Applicable: As the expansion is being undertaken in the existing premises satisfying all statutory clearances. |
| viii. | The project proponent shall comply with the CLU conditions imposed by the competent authority, if any. | Agreed & complying |
| 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 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to | Noted & agreed for Compliance. |

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| | 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. | Noted & Agreed. |
| 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 NO _x in reference to SO ₂ and NO _x 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. | Ambient air quality monitoring stations are yet to be established. Beside this, manual monitoring of Ambient Air Quality is being monitored by an arrangement with NABL approved laboratory and analysis report for the same enclosed herewith as Annexure-IX . |
| 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. | Complying Analysis report is submitted with the six-monthly compliance report to R.O, MOEF & CC & PPCB. |
| v | Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources. | APCs compressor Side Suction Hood, Spark Arrestor, ID Fan and bag filter having pulse jet offline cleaning technology installed. |

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| vi | The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. | Leakage detection system already in place for measuring differential pressure across the bag filter by U-tube manometer. |
| vii | Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly. | Manual cleaning is being done. |
| 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. | NA: as no such material is being used in the process. |
| ix | The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin. | Complying. |
| x | The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc. | Covered sheds with pucca floor already provided for storage of raw material. |
| xi | The project proponent shall provide primary and secondary fume extraction system at all melting furnaces. | Fume extraction system has been provided at Induction furnace for primary fume only |
| 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. | Proper ventilation system has been provided. |
| 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 plants and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL | Ground water quality monitoring is being done by the NABL approved laboratory. Analysis report for the same enclosed herewith as Annexure-IX . |

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| | accredited laboratories. | |
| ii. | 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. | Not Applicable As all the R.M finished products are stored in covered sheets. |
| 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 ³ shall be adopted to recharge the water @ 2,27,500 KL/annum. A. 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 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. | Pond rejuvenation work is in progress, So far: <ul style="list-style-type: none"> • Dredging of pond has been completed • Benches have been provided around the periphery. • Lights have been provided. • Plantation & fencing work has been completed. |
| 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 by recycling treated water. | No water is consumed in the process. The cooling tower is being operated at higher cycle of concentration thereby reducing blow down and minimizing make up water. Cascade use is not practicable in induction furnace |

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| | | technology. |
| 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. | Noise survey has been carried out during base line study; however, regular noise level monitoring is being carried out. |
| 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. | Complied Latest noise monitoring report attached herewith as Annexure-IX . |
| V. | Energy Conservation Measures | |
| i. | The project proponent shall practice hot charging of slabs and billets/blooms as far as possible. | Noted & agreed |
| 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. | There is a proposal to install the solar system. |
| iii. | The project proponent shall provide the for LED lights in their offices and residential areas. | Complied In the offices and residential area lights have been provided. |
| iv. | The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible. | Noted & agreed |
| VI. | Waste Management | |
| i. | Used refractories shall be recycled as far as possible. | Complying: Used refractories are being disposed-off under take back arrangement with suppliers. |

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| 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 As no-fly ash is generated. |
| iii. | The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary movement) Rules, 2016. | Complying: The used oil is used within the industry as lubricant and the balance disposed-off to authorized recyclers. The APCD dust is being disposed-off to authorized/approved preprocessor. |
| iv. | Kitchen waste shall be composted or converted to biogas for further use. | Agreed: Small amount of kitchen waste shall be composted and used as manure. Biogas generation is not economic. |
| VII. | Green Belt | |
| i. | "Green Belt" shall be developed in an area of 30,562 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, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia, etc. will be planted. | Greenbelt already developed as per the EIA, covering 33.31% of the total project area. Photographs of the same enclosed as Annexure-VII . |
| 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. | Greenbelt already developed as per the EIA, covering 33.31% of the total project area. |

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| | 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. | Complied. |
| iv. | The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report. | Plantation photographs enclosed herewith as Annexure-VII . |
| 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. | Complying: Emergency Preparedness and Disaster Management Plan are already in place and regularly checked for their effectiveness by conducting mock drill. |
| 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. | Complying: The work zone is regularly monitored. The workers exposed to high temperatures are provided flame resistance garments, hard hat, eyewear, gloves and ear protection. |
| 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | Complying: Being an existing industry all the necessary facilities of personnel toilets, change room, first aid, and drinking water are available. During expansion no housing facilities will be employed. |

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| iv. | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | <p>Complying:</p> <p>Occupational health surveillance program of workers is already in place and the workers are medically examined during pre-placement and during the course of their employment for vital health parameters.</p> <p>Beside this, medical camps are being conducted on the regular basis and records of the same being maintained at project site.</p> |
| 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. | The industry has a proposal to take up the CER activities in the Village Chhandran. Details of the activities in the form of quotation enclosed as Annexure-VIII . |
| 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. | Compliance of the action plan already submitted along with EIA. |
| IX. | Environment Monitoring Plan | |
| i. | The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances 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 | The company has laid down environmental policy. Separate SOP for its implementation has not been prescribed as the same is available in Quality Manual. The EMC works after the implementation of EMP & comply with the statutory requirement. Being a small-scale industry there is no separate Board of Directors. |

| | holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. | | | | | | | | | | | | | |
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| ii. | A separate Environmental Cell both at the project and company head quarter level with qualified personnel shall be set up under the control of Senior Executive, who will directly to the head of the organization. | Noted & Complied: A separate environmental cell has been duly constituted at project level for overseeing the environmental issues and safeguards concerning the project. | | | | | | | | | | | | |
| iii. | <p>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 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:</p> <table><tr><th>S. No</th><th>Title</th><th>Capital Cost Rs. Lakh</th><th>Recurri ng Cost Rs. Lakh</th></tr><tr><td>1</td><td>Pollution Control during construction stage</td><td>2.0</td><td>---</td></tr><tr><td>2</td><td>Air Pollution</td><td>300.0</td><td>10.0</td></tr></table> | S. No | Title | Capital Cost Rs. Lakh | Recurri ng Cost Rs. Lakh | 1 | Pollution Control during construction stage | 2.0 | --- | 2 | Air Pollution | 300.0 | 10.0 | As per the EMP; Work pertaining to APCD, STP and Green Belt has complete. |
| S. No | Title | Capital Cost Rs. Lakh | Recurri ng Cost Rs. Lakh | | | | | | | | | | | |
| 1 | Pollution Control during construction stage | 2.0 | --- | | | | | | | | | | | |
| 2 | Air Pollution | 300.0 | 10.0 | | | | | | | | | | | |

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| | | Control (Installation of APCD) | | | |
| | 3 | Water Pollution Control (Installation of STP @30 KLD) | 22.0 | 10.0 | |
| | 4 | Noise Pollution Control | 1.0 | 0.1 | |
| | 5 | Green belt development | 42.0 | 42.0 | |
| | 6 | Solid Waste Management | 7.5 | -- | |
| | 7 | Environment Monitoring and Management | 5.0 | 0.1 | |
| | 8 | Occupational Health, Safety and Risk Management | 10.0 | 0.5 | |
| | 9 | RWH | 10.0 | 0.5 | |
| | 10 | Miscellaneous | 4.0 | -- | |
| | 11 | CER activities | 300.0 | -- | |
| | | TOTAL | Rs. 703.5 Lakh | Rs. 63.2 Lakh | |
| | <p>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.</p> | | | | |
| iv. | <p>Self-environmental audit shall be conducted annually. Every Three years third-party environmental audit shall be carried out.</p> | | | | Noted and Agreed for Compliance. |

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| v. | All the recommendations made in the Charter on Corporate Responsibility for Environment protection (CREP) for the plants shall be implemented. | NA: As no separate CREP has been formulated for secondary metallurgical industry. |
| X. | Validity | |
| i. | The 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. | Noted |
| 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. | Agreed |
| 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. | Complied. |
| 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. | Six-monthly compliance along with EC has been uploaded on industry website. |

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| iv. | The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (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. | Complied: The level of criteria pollutants in terms of air quality has been attached as Annexure-IX . |
| 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. | Six-monthly compliance report is being submitted to Regional office, MoEF&CC and PPCB. |
| 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. | Noted and agreed for Compliance. |
| 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. | Noted & complying with the consent conditions. |
| ix. | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during | Noted & complying All the environment safeguards as detailed in EIA/EMP reports are being |

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| | Public Hearing and also that during their presentation to the SEAC and SEIAA. | taken. All the PH issues were addressed to the satisfaction of stake holders. |
| 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. | Noted & agreed |
| xi. | 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 furnishing the requisite data/information/ monitoring reports. | Noted & agreed: Full Corporation in terms of information & data shall be extended to the compliance monitoring team (s). |
| XII | Additional Conditions: | |
| i | The project proponent shall install monitoring system at the inlet & outlet of each APCD for monitoring SPM. | Agreed for Compliance. |
| 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 | Agreed for Compliance. |
| 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. | PWRDA ground water permission already obtained. Copy of the same enclosed herewith as Annexure- VI . Fresh ground water application as per the PWRDA, Directions 2023 already filed. |
| iv | In the event that the project proponent decides to | Noted & Agreed. |

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| | <p>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.</p> | |
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EC Letter



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.

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| 1. EC Identification No. | EC22B008PB199921 |
| 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. Upal 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.

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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 | <table><tr><td>Sr. No.</td><td colspan="3">Particulars</td><td>Area in Sqm</td></tr><tr><td>1.</td><td colspan="3">Shed area (All Machinery)</td><td>21610</td></tr><tr><td>2.</td><td colspan="3">Finished Good Storage area</td><td>7456</td></tr><tr><td>3.</td><td colspan="3">APCD area</td><td>610</td></tr><tr><td>4.</td><td colspan="3">Slag storage area</td><td>650</td></tr><tr><td>5.</td><td colspan="3">APCD Dust (Hazardous waste) storage area</td><td>100</td></tr><tr><td>6.</td><td colspan="3">Green area</td><td>30562</td></tr><tr><td>7.</td><td colspan="3">Scrap area</td><td>2560</td></tr><tr><td>8.</td><td colspan="3">STP area</td><td>100</td></tr><tr><td>9.</td><td colspan="3">Parking area</td><td>356</td></tr><tr><td>10.</td><td colspan="3">Admin. Office area</td><td>300</td></tr><tr><td>11.</td><td colspan="3">Road & open area</td><td>21266</td></tr><tr><td>12.</td><td colspan="3">Utility area</td><td>7043</td></tr><tr><td colspan="4">Total area</td><td>92613</td></tr></table> | | | | | 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 |
| 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 | <table><tr><td>Raw Materials</td><td>Existing (TPA)</td><td>Proposed (TPA)</td><td>Total After Expansion (TPA)</td></tr><tr><td>MS Scrap, CI, Sponge Iron, Ferro Alloys (TPA)</td><td>30,800</td><td>2,88,750</td><td>3,19,550</td></tr></table> | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | <table><tr><td>Product Name</td><td>Existing (TPA)</td><td>Proposed (TPA)</td><td>Total after expansion (TPA)</td></tr><tr><td>Steel Billets/ Ingots</td><td>28,000</td><td>2,62,500</td><td>2,90,500</td></tr><tr><td>Rolled/Flats Products</td><td>1,40,000</td><td>1,50,000</td><td>2,90,500</td></tr></table> | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | <table><tr><td>Sr. No.</td><td>Machinery</td><td>Existing</td><td>Proposed</td><td>After Expansion</td></tr><tr><td>1.</td><td>Induction</td><td>1X8</td><td>2X25 TPH</td><td>1X8 TPH</td></tr></table> | | | | Sr. No. | Machinery | Existing | Proposed | After Expansion | 1. | Induction | 1X8 | 2X25 TPH | 1X8 TPH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 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 colspan="2">Disposal</th></tr><tr><td>1.</td><td>Category 5.1 Used oil</td><td>0.03 KLA</td><td colspan="2">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 colspan="2">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 colspan="2">Disposal method</th></tr><tr><td>1.</td><td>Slag</td><td>46.74 TPD</td><td colspan="2">Will be given to M/s Mandeep Puri & 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|-----|-------------------------------|--|
| 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 218th 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 205th 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, Machiwara 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 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 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. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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 m³ 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, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia, 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:

| Sr. no. | Title | Capital Cost ₹ Lakh | Recurring Cost ₹ Lakh |
|---------|---|------------------------|-----------------------|
| 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 | -- |
| | TOTAL | 703.5 | ₹ 63.2 Lakhs |

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; PM₁₀, SO₂, NO_x (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 | : | vinayak@aartisteelsltd.com aartimac14@gmail.com |

d) Email ID of Env. Consultant : 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, 6th 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

EC AMMENDMENT LETTER



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/2023/ 172

Through Parivesh

Date: 31/01/2023

To

M/s Aarti Steel Limited,
Village Harian, P.O. Uppal,
Tehsil Koom Kalan, Machhiwara Road,
District Ludhiana, Punjab.

Subject: Amendment in Environmental Clearance for manufacturing of steel Billets/Ingots and rolled /Flats at Village Harian, P.O. Uppal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab by M/s Aarti Steel Limited (Proposal No. SIA/PB/IND/294799/2022)

This has reference to your online application submitted on 01.12.2022 for amendment in Environmental Clearance granted by SEIAA vide EC identification No. EC22B008PB199921 dated 12.05.2022.

The industry has proposed to install 02 Induction Furnace of capacity 8 TPH and 15 TPH and Electric Arc Furnace of capacity 35 TPH instead of 03 furnaces of capacities 8 TPH & 2X25 TPH. There will be no alteration in the production capacity of the steel Billets/Ingots and rolled /Flats of 2,90,500 TPA. The proposal of an amendment has been appraised as per the procedure prescribed under the provisions of EIA Notification dated 14.09.2006 based on mandatory documents enclosed with the application viz., Form-4, Environmental Clearance (EC) letter, a copy of compliance of the conditions of Environmental Clearance and additional clarifications furnished.

The SEAC, Punjab in its 234th meeting held on 12.12.2022 after due consideration of the relevant documents submitted, presentation given and additional clarification/ documents furnished by the project proponent has recommended the case to SEIAA for amendment.

The proposal was considered by SEIAA in the 229th meeting held on 03.01.2023, wherein, SEIAA decided to accept the recommendations of SEAC and allow amendment in Environmental Clearance granted for installation of 02 Induction Furnace of capacity 8 TPH and 15 TPH and Electric Arc Furnace of capacity 35 TPH instead of 03 furnaces of capacities 8 TPH & 2X25 TPH. There will be no alteration in the production capacity of the steel Billets/Ingots and rolled /Flats of 2,90,500 TPA.

Accordingly, an amendment in the Environmental Clearance is, hereby, issued subject to the same terms and conditions as imposed in the original Environmental Clearance

1 of 3

granted by SEIAA vide EC identification No. EC22B008PB199921 dated 12.05.2022 to the industry namely M/s Aarti Steel Limited located at Village Harian, P.O. Uppal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab along with following additional condition:

Table 1

| Sr. No. | Description | As per earlier EC | Proposal | After amendment |
|---------|---------------------|--|--|---|
| 1. | Production capacity | Steel Billets, Rolled/Flats Products- 2,90,000 TPA | No Change | Steel Billets, Rolled/Flats Products- 2,90,000 TPA |
| 2. | Machinery | Induction Furnaces- 3 No. (8 TPH & 2 x 25 TPH capacity) Ladle Refining Furnace- 1 No. (30 TPH capacity) Rolling Mill- 01 No. CCM- 01 No. VD-01 No. | Induction Furnaces- 2 No. (8 TPH & 15 TPH capacity) Electric Arc Furnace- 1 No. (35 TPH capacity) | Induction Furnaces- 2 No. (8 TPH & 15 TPH capacity) Electric Arc Furnace- 1 No. (35 TPH capacity) Ladle Refining Furnace- 1 No. (30 TPH capacity) Rolling Mill- 01 No. CCM- 01 No. VD-01 No. |
| 3. | Raw Material | 3,19,550 TPA | 3,30,338 TPA | 3,30,338 TPA |
| 4. | Project Cost | Rs.204.04 Crore | Rs.20 Crore | Rs.224.04 Crore |
| 5. | Area | 92,613 sqm | No Change | 92,613 sqm |

Additional Condition:

1. The industry shall provide fourth hole in the lid of the Arc furnace fume extraction system which will be attached with spark arrester followed by bag filter house as APCD. Further, the fume extraction system and bag filter house including spark arrester shall be adequately designed to contain the Air Pollutants within the permissible limits.

This letter must remain appended with the original Environmental Clearance issued vide no. EC22B008PB199921 dated 12.05.2022 vide which Environmental Clearance was granted by SEIAA to the industry.

This issues with the approval of Competent Authority.


Environmental Engineer

Copy to: -

Through Parivesh

Date _____

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. : 98721-00066
 - c) Email Id : aartimat12@gmail.com
 - d) Email ID of Env. Consultant : cptleia@gmail.com
4. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
5. The Deputy Commissioner, Ludhiana.
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
7. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
8. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
9. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003


Environmental Engineer

ANNEXURE-III

EC AMENDMENT LETTER FOR NAME CHANGE



File No.: 2024/EC/A/26
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA),
PUNJAB)



Dated 15/03/2024



To,

Sh. Vinayak Mittal
M/s Aarti Steel International Limited.
Village Harian, P.O. Upal, Machhiwara road , Harian, LUDHIANA, PUNJAB, , 141010
aartimac14@gmail.com

Subject: Amendment in Environmental Clearance under EIA notification dated 14.09.2006 for manufacturing of steel billets/ingots and rolled/flat at Village Harian, P.O. Upal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab by M/s Aarti Steel Limited (Proposal No. SIA/PB/IND1/463614/2024).

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/PB/IND1/463614/2024 dated 26/02/2024 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

| | |
|--|---|
| (i) EC Identification No. | EC24B1010PB5162035A |
| (ii) File No. | 2024/EC/A/26 |
| (iii) Clearance Type | Amendment in EC |
| (iv) Category | B1 |
| (v) Schedule No./ Project Activity | 3(a) Metallurgical Industries (ferrous and non ferrous) |
| (vii) Name of Project | M/s Aarti Steel International Limited |
| (viii) Location of Project (District, State) | LUDHIANA, PUNJAB |
| (ix) Issuing Authority | SEIAA |
| (x) EC Date | 15/03/2024 |
| (xi) Applicability of General Conditions | YES |
| (xiii) Status of implementation of the project | |

3. This is in reference to your online application submitted through Parivesh Portal for seeking amendment in Environmental Clearance granted under the EIA Notification 14.09.2006 vide SEIAA letter no. EC22B008PB199921

dated 12.05.2022 & amendment in EC vide letter no. SEIAA/MS/2023/172 dated 31.01.2023, for change in name of unit. The proposal of amendment has now been appraised as per the procedure prescribed under the provisions of EIA Notification dated 14.09.2006 based on mandatory documents enclosed with the application viz., Form-4, Environmental Clearance (EC) letter, a copy of compliance of the conditions of Environmental Clearance and additional clarifications furnished.

4) The SEAC, Punjab in its 277th meeting held on 01.03.2024 after due consideration of the relevant documents submitted, presentation given and additional clarification/ documents furnished by the project proponent has recommended the case to SEIAA for grant of amendment.

5) The proposal was considered by SEIAA in the 283rd meeting held on 07.03.2024 wherein it was decided to accept the recommendations of SEAC and amend the EC granted to the Project with subject to the same terms and conditions as imposed in the Environmental Clearance granted vide SEIAA letter no. EC22B008PB199921 dated 12.05.2022 & amendment in EC vide letter no. SEIAA/MS/2023/172 dated 31.01.2023 & certain additional condition, as per the detail given as under:

Table- 1- Amendments in the earlier granted Environmental Clearance

| S.No. | Description | As per earlier EC | As per amended proposal |
|-------|----------------|--------------------------|--|
| 1. | Change in Name | M/S Aarti Steels Limited | M/s Aarti Steel International Limited. |

6) Accordingly, Environmental Clearance, is hereby amended as per the Table-1 given above subject to the same terms and conditions as imposed in the Environmental Clearance granted vide SEIAA letter no. EC22B008PB199921 dated 12.05.2022 & amendment in EC vide letter no. SEIAA/MS/2023/172 dated 31.01.2023 and additional condition as per Annexure-1.

7) This letter must remain appended with the Environmental Clearance letter issued by SEIAA, Punjab vide SEIAA letter no. EC22B008PB199921 dated 12.05.2022 & amendment in EC vide letter no. SEIAA/MS/2023/172 dated 31.01.2023.

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 : vinayak@aartisteelsltd.com aartimac14@gmail.com
- d) Email ID of Env. Consultant : 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, 6th 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.

Annexure 1

Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

1. Additional / Amended Conditions:

| S. No | EC Conditions | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|---|-----------------------|-----------------------|----|---|------|----|---|-----|----|---|-------|----|---|-------|----|---|----|----|--|----|--------------|--|----------------------|
| 1.1 | The Project Proponent shall complete the implementation of the activity prescribed in the AEA plan as per Table-2 below, within 02 years: Table-2 (AEA) | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th>Sr. No.</th><th>Activities</th><th>Amount (Rs. in lakhs)</th></tr><tr><td>1.</td><td>Provision of crop residue machinery (in situ/ex situ) for management of stubble burning through PPCB / District Administration.</td><td>27.5</td></tr><tr><td>2.</td><td>Amount to be deposited under Greening Punjab Mission Fund through concerned DFO</td><td>100</td></tr><tr><td>3.</td><td>Cleaning and rejuvenation of village pond of village Kot Gangu Rai, Ludhiana.</td><td>40.25</td></tr><tr><td>4.</td><td>Cleaning and rejuvenation of village pond of village Chhandran, Ludhiana.</td><td>32.25</td></tr><tr><td>5.</td><td>Cleaning and rejuvenation of village pond of village Lalto Kalan, Ludhiana.</td><td>50</td></tr><tr><td>6.</td><td>Cleaning and rejuvenation of village pond of village Mangat, Ludhiana.</td><td>50</td></tr><tr><td colspan="2">Total</td><td>Rs. 300 lakhs</td></tr></table> | Sr. No. | Activities | Amount (Rs. in lakhs) | 1. | Provision of crop residue machinery (in situ/ex situ) for management of stubble burning through PPCB / District Administration. | 27.5 | 2. | Amount to be deposited under Greening Punjab Mission Fund through concerned DFO | 100 | 3. | Cleaning and rejuvenation of village pond of village Kot Gangu Rai, Ludhiana. | 40.25 | 4. | Cleaning and rejuvenation of village pond of village Chhandran, Ludhiana. | 32.25 | 5. | Cleaning and rejuvenation of village pond of village Lalto Kalan, Ludhiana. | 50 | 6. | Cleaning and rejuvenation of village pond of village Mangat, Ludhiana. | 50 | Total | | Rs. 300 lakhs |
| | Sr. No. | Activities | Amount (Rs. in lakhs) | | | | | | | | | | | | | | | | | | | | | | |
| | 1. | Provision of crop residue machinery (in situ/ex situ) for management of stubble burning through PPCB / District Administration. | 27.5 | | | | | | | | | | | | | | | | | | | | | | |
| | 2. | Amount to be deposited under Greening Punjab Mission Fund through concerned DFO | 100 | | | | | | | | | | | | | | | | | | | | | | |
| | 3. | Cleaning and rejuvenation of village pond of village Kot Gangu Rai, Ludhiana. | 40.25 | | | | | | | | | | | | | | | | | | | | | | |
| | 4. | Cleaning and rejuvenation of village pond of village Chhandran, Ludhiana. | 32.25 | | | | | | | | | | | | | | | | | | | | | | |
| | 5. | Cleaning and rejuvenation of village pond of village Lalto Kalan, Ludhiana. | 50 | | | | | | | | | | | | | | | | | | | | | | |
| | 6. | Cleaning and rejuvenation of village pond of village Mangat, Ludhiana. | 50 | | | | | | | | | | | | | | | | | | | | | | |
| Total | | Rs. 300 lakhs | | | | | | | | | | | | | | | | | | | | | | | |

Signature Not Verified

Digitally Signed by : Harjeet Singh Sandhu
 PCS
 Member Secretary, SEIAA

Date: 15/03/2024

EXISTING CTO WATER



PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh.
Website:- www.ppcb.gov.in

| | | |
|---|-----------------------|---------------------------|
| Office Dispatch No : | Registered/Speed Post | Date: |
| Industry Registration ID: O20LDH1693939 | | Application No : 17864201 |

To,

Vinayak Mittal
Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwara Road, Ludhiana, 141113
Ludhiana, Punjab-141113

Subject: Grant of 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

| | |
|------------------------------------|-------------------------------|
| Consent to Operate Certificate No. | CTOW/Fresh/LDH1/2022/17864201 |
| Date of issue : | 23/02/2022 |
| Date of expiry : | 30/09/2026 |
| Certificate Type : | Fresh |

2. Particulars of the Industry

| | |
|--|--|
| Name & Designation of the Applicant | Vinayak Mittal, (Director) |
| Address of Industrial premises | Aarti Steels Ltd., Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwara Road, Ludhiana, 141113, Ludhiana East, Ludhiana I-141113 |
| Capital Investment of the Industry | 7325.0 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 | Ludhiana I |
| Consent Fee Details | SBINR52022012163128003 dated 21.01.2022 Rs 5,28,000 |
| Raw Materials(Name with quantity per day) | Steel Billets @400Metric Tonnes/Day Scrap @80Metric Tonnes/Day |
| Products (Name with quantity per day) | Rolled & Flat Products @374Metric Tonnes/Day Ingots/Billets @73.6Metric Tonnes/Day |
| By-Products, if any,(Name with quantity per day) | As per the application form. |

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Aarti Steels Ltd., Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwara Road, Ludhiana, 141113, Ludhiana East, Ludhiana I, 141113

Page 1

EXISTING CTO AIR



PUNJAB POLLUTION CONTROL BOARD

Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh.

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: O20LDH1693939

Application No : 17863828

To,

Vinayak Mittal
Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwar Road, Ludhiana, 141113
Ludhiana, Punjab-141113

Subject: Grant of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

| | |
|------------------------------------|-------------------------------|
| Consent to Operate Certificate No. | CTOA/Fresh/LDH1/2022/17863828 |
| Date of issue : | 22/02/2022 |
| Date of expiry : | 30/09/2026 |
| Certificate Type : | Fresh |

2. Particulars of the Industry

| | |
|--|--|
| Name & Designation of the Applicant | Vinayak Mittal, (Director) |
| Address of Industrial premises | Aarti Steels Ltd., Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwar Road, Ludhiana, 141113, Ludhiana East, Ludhiana I-141113 |
| Capital Investment of the Industry | 7325.0 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 | Ludhiana I |
| Consent Fee Details | SBINR52022012163132427 dated 21.01.2022 Rs 5,28,000 |
| Raw Materials (Name with Quantity per day) | Steel Billets @400Metric Tonnes/Day Scrap @80Metric Tonnes/Day |

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Aarti Steels Ltd., Village Harian, Po Uppal, Tehsil Koom Kalan, Machiwar Road, Ludhiana, 141113, Ludhiana East, Ludhiana I, 141113

Page 1

HWM AUTHORIZATION



PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh.
Website:- www.ppcb.gov.in

Office Dispatch No : Registered/Speed Post Date:
Industry Registration ID : 020LDH1693939 Application No : 17918080

To,

Vinayak Mittal
Village Harian, PO Uppal, Tehsil Koom Kalan, Machiwara Road, Ludhiana, 141113
Ludhiana, Punjab-141113

Subject: Fresh Authorization for operating a facility for Collection, Generation, Storage, Disposal, of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .

Vinayak Mittal of Aarti steels ltd. is hereby granted an authorisation based on the enclosed signed inspection report for Collection, Generation, Storage, Disposal, on the premises situated at Village harian, po uppall, tehsil koom kalan, machiwara road, ludhiana, 141113, Ludhiana east, Ludhiana i-141113

Particulars of Authorization granted to the Industry

| | |
|----------------------|------------------------------|
| Authorization No | HWM/Fresh/LDH1/2022/17918080 |
| Date of issue : | 28/03/2022 |
| Date of expiry : | 31/03/2026 |
| Authorization Type : | Fresh |

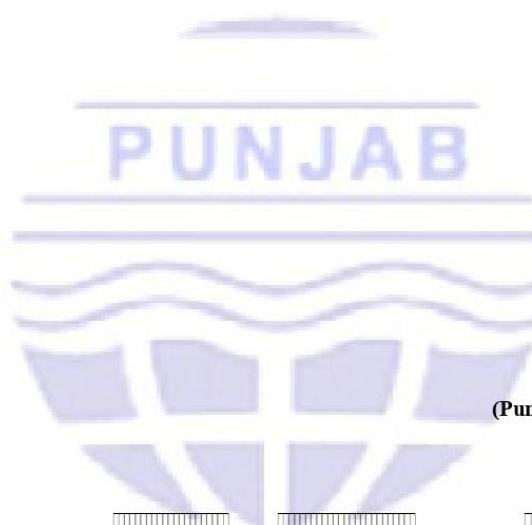
Particulars of the Industry

| | |
|-------------------------------------|--|
| Name & Designation of the Applicant | Vinayak Mittal, (Director) |
| Address of Industrial premises | Aarti steels ltd., Village harian, po uppall, tehsil koom kalan, machiwara road, ludhiana, 141113, Ludhiana east, Ludhiana i-141113 |
| Capital Investment of the Industry | 7325.0 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 | Ludhiana i |

3. Particulars of Wastes

| Category of Hazardous Waste as per the Schedules I,II and III of these rules | Authorised mode of disposal or recycling or utilisation or co-processing, etc | Quantity (ton/annum) |
|--|---|----------------------|
| Schedule I 35.1-Exhaust Air or Gas cleaning residue | Generation , Collection , Storage , Disposal | 144 T/Annum |
| Schedule I 5.1-Used or spent oil | Generation , Collection , Storage , Disposal | 0.2 KL/Annum |

4. The authorisation is subject to the general and specific conditions as appended with the Authorization.



Q. etm

29/03/2022

(Guneet Sethi)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

[illegible][illegible]

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-1, Ludhiana
2. Environmental Engineer, Regional Office-1, Ludhiana.

Q. et m.

29/03/2022

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Aarti steels Ltd., Village harian, po uppall, tehsil koom kalan, machiwara road, ludhiana, 141113, Ludhiana east, Ludhiana i, 141113

Page 2

CTE EXPANSION

| | | |
|---|--|---|
|  | PUNJAB POLLUTION CONTROL BOARD Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh Website:- www.ppcb.gov.in |  |
|---|--|---|

Office Dispatch No.:

Date:

To

VINAYAK MITTAL
 154/1 MAHARANI JHANSI ROAD
 LUDHIANA, LUDHIANA-WEST - 141001

Subject:- Extension in the Validity of "Consent to Establish"(NOC) Granted u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 to the Unit.

1. Particulars of Consent to Establish (NOC) for Extension granted to the Industry:

| | |
|-------------------|-----------------------------------|
| PIN | 230528343 |
| Application No.: | 2405341552 |
| Date of Issue: | 02-Jul-2024 |
| Date of Expiry: | 16-Jul-2025 |
| Certificate Type: | Extension |
| Certificate No: | CTE/Ext/PBIP/LDH-I/2024/230528343 |

2. Particulars of the Industry:

| | |
|--|--|
| Name & Designation of the Applicant: | VINAYAK MITTAL, (Director) |
| Name of Business Entity | AARTI STEEL INTERNATIONAL LIMITED |
| Name of the Project/Unit: | AARTI STEEL INTERNATIONAL LIMITED |
| Address of Project/Unit: | VILLAGE HARRIAN,KOHARA MACHHIWARA ROAD , Ludhiana-East , Ludhiana |
| Capital Investment of the Industry(in lakhs): | 16005.00 |
| Category of Industry: | Red |
| Type of Industry: | 1044 - Industry or process involving metal surface treatment or process such as pickling/electroplating/paint stripping/heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing |
| Scale of the Industry: | Large - > Rs. 50 Crore |
| Office District: | Ludhiana-I |
| Consent Fee Details: | Rs. 108500/- vide R no. 654290538 dated 29.05.2024. |
| Raw Materials (Name with quantity per day): | High Carbon Wire Rod @ 65 MTD, Sulphuric Acid @ 50 Kgs/Day, Copper Sulphate @125 Kgs/Day, Castic Soda @ 50 Kgs/Day, Lead @ 55 Kgs/Day. |
| Products (Name with quantity per day): | Auto Wire @ 50 MTD |
| By Products, if any (Name with quantity per day) : | -- |

| | |
|---|---|
| Details of the machinery and processes: | As per application form. |
| Details of Effluent Treatment Plant: | Trade Effluent @ 125 KLD -to be treated through ETP followed by RO Plant; RO Permeate to be reused in process and RO Reject disposed through MVR followed by ATFD. (ZLD to be achieved) Spent Acid @ 1 KLD -to be treated through system consisting Collection-cum-Reaction Tank, Filter Press, ATFD. (ZLD to be achieved) Domestic Effluent @ 5 KLD - to be treated through STP. |
| Mode of disposal of Effluent: | For Trade Effluent & Spent Acid -ZLD to be achieved. Treated Domestic Effluent - onto land for plantation/ green area within premises. |
| Standard to be achieved under Water(Prevention & Control of Pollution) Act, 1974: | As prescribed by the CPCB/PPCB/MoEF&CC, from time to time. |
| Sources of emissions and type of pollutants: | Boiler/Furnace/Heater Details: Patenting Furnace -SPM Patenting Furnace Lead Bath -SPM Tyre Bead Coating Line Section - SPM Process: Patenting Furnace Electro Pickling Section -Acid Mist (H ₂ SO ₄) Tyre Bead Coating Line Electro Pickling Section -Acid Mist (H ₂ SO ₄) DG Sets: 3 no. DG Sets of capacity 1500 KVA -SPM, SO _x , NO _x |
| Mode of disposal of emissions with stack height: | Boiler/Furnace/Heater Details: Patenting Furnace -20 m AGL Patenting Furnace Lead Bath -20 m AGL Tyre Bead Coating Line Section - 20 m AGL Process: Patenting Furnace Electro Pickling Section -20 m AGL Tyre Bead Coating Line Electro Pickling Section - 20 m AGL DG Sets: 3 no. DG Sets of capacity 1500 KVA -stack of height as per following formula: $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed. |
| Quantity of fuel required in TPD: | Boiler/Furnace/Heater Details: Patenting Furnace -PNG @ 1200 Kg/day Patenting Furnace Lead Bath -PNG @ 150 Kg/day Tyre Bead Coating Line Section - PNG @ 350 Kg/day DG Sets: 3 no. DG Sets of capacity 1500 KVA -HSD Only |
| Type of Air Pollution Control Devices to be installed: | Boiler/Furnace/Heater Details: Patenting Furnace -Stack of adequate height Patenting Furnace Lead Bath -Stack of adequate height Tyre Bead Coating Line Section - Stack of adequate height Process: Patenting Furnace Electro Pickling Section -Water Scrubber Tyre Bead Coating Line Electro Pickling Section - Water Scrubber DG Sets: 3 no. DG Sets of capacity 1500 KVA -Canopy to be provided |
| Standard to be achieved under Air(Prevention & Control of Pollution) Act, 1981: | As prescribed by the CPCB/PPCB/MoEF&CC, from time to time. |

Environmental Engineer (PBIP)
 for & on behalf of
Chief Environmental Engineer (PBIP)

PWRDA NOC



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY
SCO 149-152, SECTOR 17, CHANDIGARH – 160017
ad interim PERMISSION FOR EXTRACTION OF GROUNDWATER

| | | | |
|--|--|---------------------|------------------------|
| Name of Unit | M/s Aarti Steels Limited | | |
| Activity of Unit: | Industrial | | |
| Address of Unit: | M/s Aarti Steels Limited, Village Harian, Tehsil Koom Kalan, Machhiwara Road, Ludhiana, District Ludhiana | | PIN Code: 141113 |
| Assessment Unit (Block): | Machhiwara | Category: Yellow | |
| District: | Ludhiana | | |
| Correspondence Address: | M/s Aarti Steels Limited, Village Harian, Tehsil Koom Kalan, Machhiwara Road, Ludhiana, District Ludhiana | | PIN Code: 141113 |
| Unit ID | 0760100451 | | |
| Permission Number | PWRDA/07/2022/L3/400 | | Dated: 13.07.2022 |
| Project Status: | New Unit | | |
| Permission Type: | ad-interim Permission | | |
| Validity Period: | For a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this ad interim permission, whichever is earlier. | | |
| Ground Water Extraction Permitted: 650 m ³ /day | | | |
| Fresh Water | | Saline Water | |
| m ³ /day | m ³ /month* | m ³ /day | m ³ /month* |
| 650 | 19,500 | - | - |

*Note:- Month is taken as 30 days for calculation of charges.

Fees and Charges Paid:

A. Application Fees for Groundwater Extraction:

| | |
|---|-------------------------|
| Volume of Groundwater Extraction Applied For per day (in m ³ /day) | Fees Deposited (in Rs.) |
| 650 | 20,000/- |

B. Advance Deposit equivalent to two months of charges for the permitted quantity of groundwater extraction:

| Category of Area | Extraction Permitted: (m ³ /day) | 650 | Amount Deposited (Rs.) |
|------------------|---|----------------------------|------------------------|
| Yellow | Charges for two months | | 6,73,200/- |
| | <10 m ³ /day | 10-100 m ³ /day | |
| | 3,600 | 75,600 | |
| | | >100 m ³ /day | 5,94,000 |

C. Tube-well Registration Fee paid:

| No. of existing tube-wells | No. of Proposed tube-wells | No. of total tube-wells | Registration Fee applicable per tube-well | Total Registration Fee Paid (Rs.) |
|----------------------------|----------------------------|-------------------------|---|-----------------------------------|
| 02 | Nil | 02 | 10,000/- | 20,000/- |

D. Total Amount Paid (Rs.):

| Application Fee | Advance Deposit | Tube-well Registration Fee | Total(Rs.) |
|-----------------|-----------------|----------------------------|------------|
| 20,000/- | 6,73,200/- | 20,000/- | 7,13,200/- |

NOTE: This permission is granted in terms of the Draft Punjab Guidelines for Groundwater Extraction and Conservation published on November 12, 2020 under section 15 of the Punjab Water Resources (Regulation and Management) Act 2020 and is subject to the conditions given overleaf.

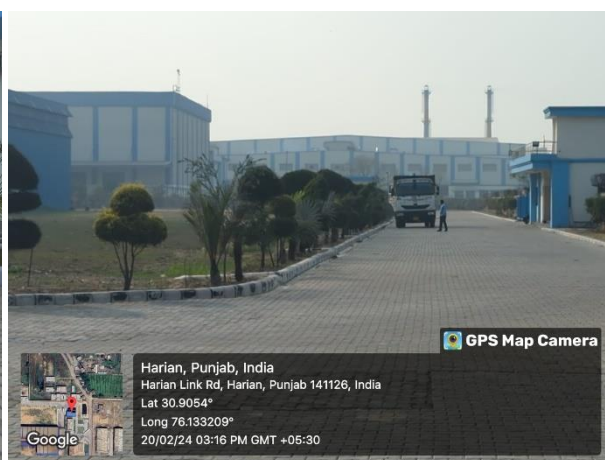
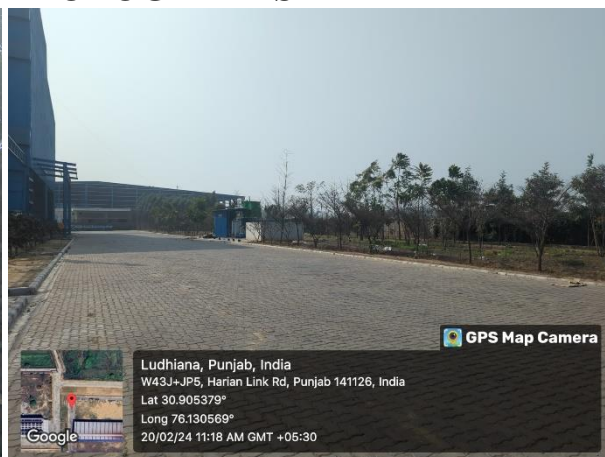
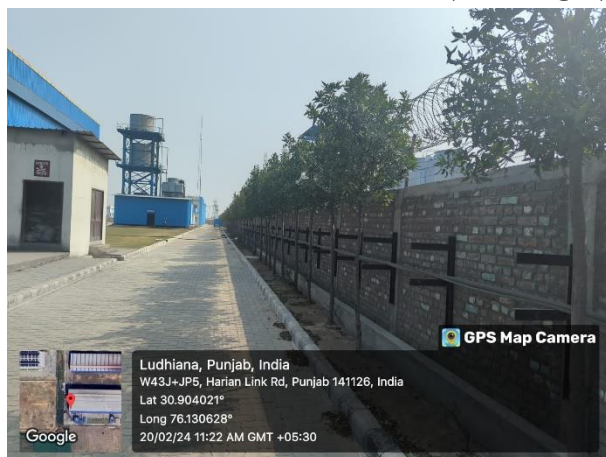
Dated: 13th July, 2022
Place: CHANDIGARH

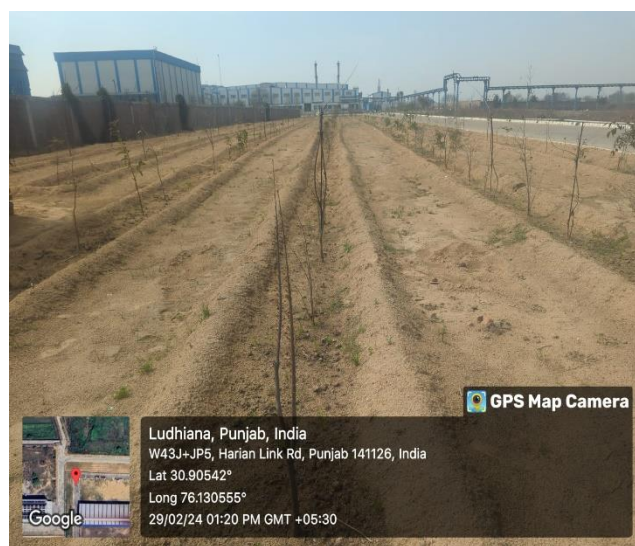
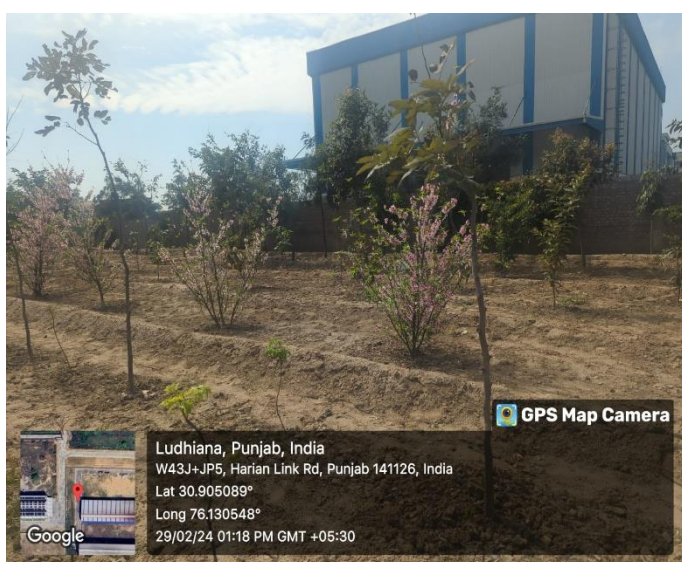
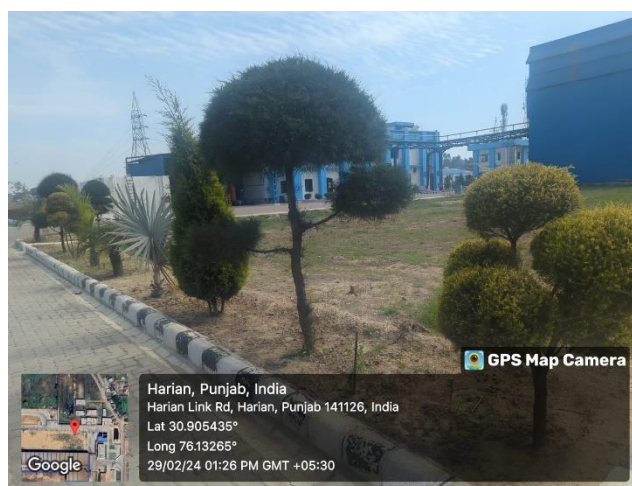


Signature
J.K. Jain, A.O.L-3

ANNEXURE VII

PLANTATION PHOTOGRAPHS





ANNEXURE VIII

Proposed CER Activity in the form of quotation being taken up



Khalsa
Engineers & Associates

Garhi Fazal, Mattewara, Rahon Road, Ludhiana-141007 (PB)

GST IN 03CMAPS3367N1ZP

Mob. 98555-57703, 84377-01393

Ref. No. KEA/B-4/2024

Dated. 05-02-2024

QUOTATION FOR VILL. KOT GANGU RAI POND

| Sr. No. | Particulars | Unit | Rate | Total |
|---------|----------------------|--------------|--------|-------------|
| 1. | Solar Light | 10 Pcs. | 37,500 | 3,75,000/- |
| 2. | Planter | 80 Pcs. | 575 | 46,000/- |
| 3. | Bench | 10 Pcs. | 12500 | 1,25,000/- |
| 4. | Grass | 5000 Sq. Ft. | 15 | 75,000/- |
| 5. | Interlock Tile | 9000 Pcs. | 16 | 1,44,000/- |
| 6. | Curve Stone | 700 Pcs. | 80 | 56,000/- |
| 7. | Gatka | 1000 Cu. Ft. | 45 | 45,000/- |
| 8. | Fine Sand | 500 Cu. Ft. | 35 | 17,500/- |
| 9. | Cement | 120 Bag | 420 | 50,400/- |
| 10. | Coarse Sand | 200 Cu. Ft. | 60 | 12,000/- |
| 11. | Cemented Pole | 325 Pcs. | 2000 | 6,50,000/- |
| 12. | Wire Mesh | 28 Role | 17000 | 4,76,000/- |
| 13. | Cleaning | L.S. | L.S. | 7,50,000/- |
| 14. | Poke Line Work | L.S. | L.S. | 7,50,000/- |
| 15. | Earth Filling (Soil) | 5 Tipper | 11,000 | 55,000/- |
| 16. | Tree Guard | 40 Pcs. | 2800 | 1,12,000/- |
| 17. | Gate | 1 Pcs. | 80000 | 80,000/- |
| 18. | Paint | L.S. | L.S. | 90,000/- |
| 19. | labour | L.S. | L.S. | 95,000/- |
| 20. | Brick | 3000 Pcs. | 7 | 21,000/- |
| | | | TOTAL | 40,24,900/- |

NOTE: GST 18% EXTRA

For Khalsa Engineers & Associates

Ranjit Singh

Prop.



Khalsa Engineers & Associates

Garhi Fazal, Mattewara, Rahon Road, Ludhiana-141007 (PB)

GST IN: 03CMAPS3367N1ZP

Mob. 98555-57703, 84377-01393

Ref. No. KEA/B-5/2024

Dated 05-02-2024

QUOTATION FOR VILL. CHHANDRAN POND

| Sr. No. | Particulars | Unit | Rate | Total |
|---------|----------------------|--------------|--------|-------------|
| 1. | Solar Light | 35 Pcs. | 37,500 | 13,12,500/- |
| 2. | Planter | 300 Pcs. | 575 | 1,72,500/- |
| 3. | Bench | 20 Pcs. | 12500 | 2,50,000/- |
| 4. | Grass | 5000 Sq. Ft. | 15 | 75,000/- |
| 5. | Interlock Tile | 2000 Pcs. | 16 | 32,000/- |
| 6. | Curve Stone | 210 Pcs. | 80 | 16,800/- |
| 7. | Gatka | 300 Cu. Ft. | 45 | 13,500/- |
| 8. | Fine Sand | 200 Cu. Ft. | 35 | 7,000/- |
| 9. | Cement | 50 Bag | 420 | 21,000/- |
| 10. | Coarse Sand | 200 Cu. Ft. | 60 | 12,000/- |
| 11. | Cemented Pole | 50 Pcs. | 2000 | 1,00,000/- |
| 12. | Wire Mesh | 5 Role | 17000 | 85,000/- |
| 13. | Cleaning | L.S. | L.S. | 4,12,000/- |
| 14. | Poke Line Work | L.S. | L.S. | 4,10,700/- |
| 15. | Earth Filling (Soil) | 3 Tipper | 11,000 | 33,000/- |
| 16. | Tree Guard | 50 Pcs. | 2800 | 1,40,000/- |
| 17. | Paint | L.S. | L.S. | 60,000/- |
| 18. | labour | L.S. | L.S. | 65,000/- |
| 19. | Brick | 1000 Pcs. | 7 | 7,000/- |
| | | | TOTAL | 32,25,000/- |

NOTE: GST 18% EXTRA

For Khalsa Engineers & Associates

Ranjit Singh

Prop.

PHOTOGRAPHS OF POND REJUVENATION IS IN PROGRESS



ANALYSIS REPORTS (AIR QUALITY)



**CHANDIGARH POLLUTION
TESTING LABORATORY**
(Environmental Monitoring, EIA, NOC, ETP, STP)
NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in

TEST CERTIFICATE

Format No. CPTLF7.8-I(A)

REPORT No. CPTL/E.C/2024/09/17(A)

REPORTING DATE: 11.09.2024

NAME OF INDUSTRY: M/s. AARTI STEELS LTD.,
VILL. - HARIAN, P.O.- UPPAL, MACHHIWARA ROAD,
TEHSIL- KOOM KALAN, DISTT. - LUDHIANA, PUNJAB.

SAMPLE PARTICULARS

| | | | |
|----------------------------------|-----------------------|---------------------------|--------------------------|
| Sampling Plan Ref No.: | CPTLF 7.3-I | Type of Sample: | Ambient Air |
| Sampling Method: | CPTL/SM/01 | Point of Sample: | Near Main Gate |
| Date of Sample Collection: | 05.09.2024 | Environmental Conditions: | Normal |
| Date of Sample Received in Lab.: | 06.09.2024 | Analysis Duration: | 06.09.2024 to 11.09.2024 |
| Sample Identification No.: | CPTL/ec/2024/09/17(A) | Sample Collected By: | Amrit Singh & |
| Nature of Sample: | Air Sample | Team | |

TECHNICAL DATA

| 1. | Location of Sampling station | Near Main Gate | |
|--|------------------------------|---|-------------|
| 2. | Instrument used for Sampling | RDS, FPS& Gaseous Attachment | |
| 3. | Time period for Sampling | 480 minutes | |
| PARAMETERS | | RESULTS | TEST METHOD |
| | | AS PER NAAQS- 2009 PRESCRIBED BY CPCB | |
| Particulate Matter (PM ₁₀), µg/m ³ | | 85.4 | 100 |
| Particulate Matter (PM _{2.5}), µg/m ³ | | 39.2 | 60 |
| Nitrogen Dioxide (NO ₂), µg/m ³ | | 14.1 | 80 |
| Sulphur dioxide (SO ₂), µg/m ³ | | 6.7 | 80 |
| Carbon monoxide (CO), mg/m ³ | | 0.51 | 4 |

Chemist In-Charge

Date:

Date: 11/9/24

Sital Singh (CEO)

(Authorized Signatory)

- The results are related to test items only.
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END OF REPORT

GROUND WATER



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/EC/2024/09/17 (W)

Format No. CPTLF7.8-I(W)
REPORTING DATE: 11.09.2024

NAME OF INDUSTRY: M/s. AARTI STEELS LTD.,
VILL. - HARIAN, P.O.- UPPAL, MACHHIWARA ROAD,
TEHSIL- KOOM KALAN, DISTT. - LUDHIANA, PUNJAB.

SAMPLE PARTICULARS

| | |
|----------------------------|------------------------------|
| Date of Sample Collection | 05.09.2024 |
| Sample Received in Lab | 06.09.2024 |
| Type of Sample | Ground Water (Grab) |
| Sampling Plan Ref. No. | CPTLF7.3-I |
| Sampling Method | CPTL/SM/01 |
| Environmental conditions | Normal |
| Point of Sample Collection | From Borewell |
| Quantity & Packaging | 2.0 liters in Plastic bottle |
| Sample Identification No. | CPTL/EC/2024/09/17(W) |
| Analysis Duration | 06.09.2024 to 11.09.2024 |
| Sample Collected By | Amrit Singh & Team |
| Visual Observation | Clear and colorless. |

TEST RESULTS

| S. No. | Parameters | Results | Acceptable Limit | Permissible Limit | Test Method |
|--------|--|-----------------|------------------|-------------------|---|
| 1. | pH | 7.39 | 6.5-8.5 | No relaxation | IS: 3025 (P-11): 2022 |
| 2. | Color, HU | <5 | 5 | 15 | IS: 3025 (P-4): 2021 |
| 3. | Turbidity, NTU | <1 | 1 | 5 | IS: 3025 (P-10): 1984 (RA-2017) |
| 4. | Total Dissolved Solids, mg/l | 350 | 500 | 2000 | IS: 3025 (P-16): 1999 (RA-2019) |
| 5. | Total Hardness (as CaCO ₃), mg/l | 271 | 200 | 600 | IS: 3025 (P-21): 2009 (RA-2019) |
| 6. | Calcium (as Ca ⁺⁺), mg/l | 40.3 | 75 | 200 | IS: 3025 (P-40): 2004 |
| 7. | Magnesium (as Mg ⁺⁺), mg/l | 18.4 | 30 | 100 | IS: 3025 (P-46): 1994 (RA-2019) |
| 8. | Total Alkalinity (as CaCO ₃), mg/l | 261 | 200 | 600 | IS: 3025 (P-23): 2006 |
| 9. | Chloride (as Cl), mg/l | 14.7 | 250 | 1000 | IS: 3025 (P-32): 1998 (RA-2019) |
| 10. | Sulphate (as SO ₄), mg/l | 18.6 | 200 | 400 | IS: 3025 (P-24): 2022 |
| 11. | Iron (as Fe), mg/l | 0.11 | 0.3 | No relaxation | IS: 3025 (P-53): 2003 & C/I, 10 Phenanthroline Method (RA-2019) |
| 12. | Zinc (as Zn), mg/l | ND (DL-0.5) | 5 | 15 | IS: 3025 (P-49): 1994 (RA-2019) |
| 13. | Nitrate (as NO ₃), mg/l | ND (DL-1.0) | 45 | No relaxation | IS: 3025 (P-34): 2022 |
| 14. | Total Chromium (as Cr), mg/l | ND (DL-0.04) | 0.05 | No relaxation | IS: 3025 (P-52): 2003 (RA-2019) |
| 15. | Manganese (as Mn), mg/l | ND (DL-0.09) | 0.1 | 0.3 | IS: 3025 (P-59): 2006 |

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E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

| | |
|---------------------------|-----------------------|
| Sample Received in Lab | 06.09.2024 |
| Type of Sample | Ground Water (Grab) |
| Sample Identification No. | CPTL/EC/2024/09/17(W) |

| S. No. | Parameters | Results | Acceptable Limit | Permissible Limit | Test Method |
|--------|--|------------------|------------------|-------------------|---------------------------------|
| 16. | Lead (as Pb), mg/l | ND (DL-0.01) | 0.01 | No relaxation | IS: 3025 (P-47): 1994 (RA-2019) |
| 17. | Arsenic (as As), mg/l | ND (DL-0.01) | 0.01 | 0.05 | IS: 3025 (P-37): 2022 |
| 18. | Copper (as Cu), mg/l | ND (DL-0.04) | 0.05 | 1.5 | IS: 3025 (P-42): 1992 (RA-2019) |
| 19. | Boron (as B), mg/l | ND (DL-0.1) | 0.5 | 1.0 | IS: 3025 (P-57): 2021 |
| 20. | Cadmium (as Cd), mg/l | ND (DL-0.001) | 0.003 | No relaxation | IS: 3025 (P-41): 1992 (RA-2019) |
| 21. | Fluoride (as F), mg/l | ND (DL-0.1) | 1.0 | 1.5 | IS: 3025 (P-60): 2008 |
| 22. | Free Residual Chlorine (as Cl ₂), mg/l | ND (DL-0.1) | 0.2 | 1 | IS: 3025 (P-26): 2021 |
| 23. | Selenium (as Se), mg/l | ND (DL-0.01) | 0.01 | No relaxation | IS: 3025 (P-56): 2003 (RA-2019) |

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 11/9/24

Sital Singh (CEO)
(Authorized Signatory)
Date: 11/09/2024

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END OF REPORT

NOISE MONITORING REPORT



**CHANDIGARH POLLUTION
TESTING LABORATORY**
(Environmental Monitoring, EIA, NOC, ETP, STP)
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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/EC/2024/09/17(N)

Format No. CPTLF7.8-I(N)
REPORTING DATE: 11.09.2024

NAME OF INDUSTRY: M/s. AARTI STEELS LTD.,
VILL. - HARIAN, P.O.- UPPAL, MACHHIWARA ROAD,
TEHSIL- KOOM KALAN, DISTT. - LUDHIANA, PUNJAB.

SAMPLE PARTICULARS

| | | | |
|----------------------------|------------------------|---------------------------|-------------------------|
| Sampling Plan Ref No.: | CPTLF 7.3-1 | Type of Sample: | Air Quality w.r.t Noise |
| Sampling Method: | CPTL/SM/01 | Sampling location: | Different location |
| Date of Monitoring: | 05.09.2024 | Environmental Conditions: | Normal |
| Sample Identification No.: | CPTL/EC/2024/09/17(N) | Monitoring Done By: | Amrit Singh & Team |
| Nature of Sample: | Noise Level Monitoring | | |

NOISE LEVEL

| S. No. | Sub-Location | Value in dB(A) (Average) Day Time | Test Method |
|--------|--------------|---|-------------------------|
| 1. | Project Site | 71.7 | IS: 9989:1981(Rev.2002) |

Chemist In-Charge
Date: 11/9/24

Sital Singh (CEO)
(Authorized Signatory)
Date: 11/09/24

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