

 सत्यमेव जयते	STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB Ministry of Environment, Forest & Climate Change, Government of India O/o Directorate of Environment & Climate Change C/o PSCST, MGSIPA Complex, Sector 26, Chandigarh-160019 Tele-0172-2792325 Fax- 0172-2793143
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No. SEIAA/2019/754**REGISTERED****Date: 22/08/2019**

To

M/s Jagat Metals Pvt. Ltd.
 Village Ambey Majra, Near 220 K.V Power House,
 Mandi Gobindgarh, Teh. Amloh,
 Distt. Fatehgarh Sahib-147301

Subject: Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by addition of induction furnaces at Village Ambey Majra, Near 220 K.V Power House, Mandi Gobindgarh, Teh. Amloh, Distt. Fatehgarh Sahib, Punjab by Jagat Metals Pvt. Ltd. (Proposal no SIA/PB/IND/23152/2018)

This has reference to your online Proposal No. SIA/PB/IND/23152/2018 for expansion of steel manufacturing unit by addition of induction furnaces at Village Ambey Majra, Near 220 K.V Power House, Mandi Gobindgarh, Teh. Amloh, Distt. Fatehgarh Sahib, Punjab, submitted to the SEIAA, Punjab for grant of Environmental Clearance under the EIA notification dated 14.09.2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, EIA report based on additional Specific TORs and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project proposed by the project proponent are as under :

1	Name and Location of the project	M/s Jagat Metals Pvt. Ltd., Village AmbeyMajra, Near 220 K.V Power House, Mandi Gobindgarh, Teh. Amloh, Distt. Fatehgarh Sahib, Punjab
2.	Nature of project (Fresh/Expansion Amendment/Others)	Expansion project

3.	a) Category b) Activity (as per schedule appended to EIA Notification, 2006 as amended time to time.)	a) B-1 b) 3(a) Metallurgical Industries (Ferrous & Non Ferrous Alloys).		
4.	Area Details			
	Details	Existing	Additional Land	After Expansion
	Plot Area	3.40 acre	0.41 acre	1.81 acre
4.	Co-ordinates of the project site	A: 30°37'54.73"N and 76°19'9.00"E B: 30°37'54.96"N and 76°19'0.49"E C: 30°37'56.62"N and 76°19'0.52"E D: 30°37'56.83"N and 76°19'2.65"E E: 30°38'0.68"N and 76°19'2.59"E F: 30°38'0.83"N and 76°19'3.52"E G: 30°37'56.75"N and 76°19'4.05"E H: 30°37'56.65"N and 76°19'8.99"E		
5.	Project Cost (After expansion)	Rs. 8.37 Crores		
6.	Raw Material requirement (After expansion)	Scrap@ 185 TPD & Ferro Alloys @5 TPD		
7.	Production Capacity (After expansion)	Steel Ingots/ Billets@ 170 TPD		
8.	Details of major productive machinery/plant (After expansion)	(i) 2 Nos Induction furnace (1 x 6 TPH, 1 x 8TPH) (ii) 02Nos Scrap Bundling Machine		
9.	Manpower(After expansion)	80 persons		
10.	Water Requirements & its source (After expansion)	Total Water Demand:41.5 KLD i) Domestic: 3.5 KLD ii) Cooling: 10 KLD Water demand shall be met through existing tubewells after obtaining permission from CGWA. In case permission is not granted, then alternative sources like treated sewage water or surface water shall be used.		
11.	Details of Effluent(After expansion)			
	Sr. No.	Details	Quantity (After Expansion)	Remarks
	i)	Industrial Effluent	Nil	No industrial effluent generated
	ii)	Domestic Effluent.	2.8 KLD	Wastewater generated from the project will be treated in the STP of capacity 5 KLD and same shall be utilized onto green area or recirculated through cooling tower.

12.	Details of Emissions(After expansion)				
	Sr. No.	Source	Capacity	Chimney Height (m)	Air Pollution Control Device
	i)	Induction Furnace	1 x 10 TPH and 1 x 8 TPH each	30 m each	Side suction Hood followed by Bag Filter
	ii)	DG sets	82.5 KVA	3.0 m each	Equipped with Canopy
13.	Details of Hazardous waste and its disposal(After expansion)				
	Sr. No.	Hazardous Waste Category	Quantity (After expansion)	Disposal	
	i)	Cat.35.1 – Exhaust air or Gas cleaning Residue	7.5 TPA	Shall be reprocessed through M/s Madhav Alloys, Fatehgarh Sahib, for recovery of metal. In case non acceptance by the reprocessor, the hazardous waste to be given CSTDF, Nimbua	
	ii)	Cat.5.1 – Used Oil	0.02 KL per annum	Shall be reprocessed through authorized recyclers of waste oil	
14.	Solid waste generation and its disposal(After expansion)				
	Sr. No.	Solid Waste	Quantity (After Expansion)	Disposal	
	(i)	Slag	24.5 TPD	Shall be reprocessed through M/s Bittu Ram Contractor for manufacturing of ready mix concrete.	
15.	Energy Requirements(After expansion)		i) Power load 6200 KW through PSPCL. ii) Single silent DG set of capacity 82.5 KVA as stand-by arrangement.		
16.	Environment Management Plan Environment Management Cell (EMC) shall be responsible for implementation of EMP which consists of Director of the company, representative of management, process-in-charge, in-charge maintenance and a representative of environmental consultant. The budgetary requirement for implementation of EMP is as under:-				
	Sr.No.	Environmental Protection Measures	Capital cost(Rs. in lakhs)	Recurring cost (Rs. in lakhs/year)	in
	1.	Air Pollution Control (Installation of APCD)	40	0.5	
	2.	Noise Pollution Control (Including cost of landscaping & green belt)	5.0	1.5	
	3.	Solid Waste Management	3.0	1.0	
	4.	Water Pollution Control (STP)	5.0	0.50	
	5.	Environment Monitoring & Management	3.0	5.0	
	6.	Health, Safety & Risk Assessment	3.0	0.5	
	7.	Rain Water Recharging outside the project premises	1.5	0.55	
	8.	Miscellaneous	1.0	0.5	
	Total		61.5	10.05	

The case was lastly considered by the SEAC in its 180th meeting held on 10.05.2019, wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent under EIA notification dated 14.09.2006 subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 150th meeting held on 08.07.2019. The SEIAA observed that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. The Authority looked into all the aspects of the project proposal in detail and was satisfied with the same.

Therefore, the Authority decided to grant environmental clearance under category-B with project/ activity 3(a)- Metallurgical Industries (ferrous & nonferrous) for the expansion of steel manufacturing unit namely M/s Jagat Metals Pvt. Ltd., in the revenue estate of Village Ambey Majra, Near 220 K.V Power House, Mandi Gobindgarh, Tehsil Amlon, Distt. Fatehgarh Sahib, Punjab, as per the details as per the details mentioned in the EIA study & subsequent presentation / clarifications made by the project proponent and his consultant subject to the conditions as proposed by the SEAC, in addition to the proposed measures.

Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to proposed measures & strict compliance of terms and conditions as follows: -

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be

implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- i. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- vii. The project proponent shall comply with conditions imposed by the District Town Planner, Fatehgarh Sahib vide Memo No. 38 dated 11.01.2019 & 501 dated 06.05.2019.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 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 system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. 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. (case to case basis small plants: Manual; Large plants: Continuous).

- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Recycle and reuse 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.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 3151 March 2012 (applicable to IF/EAF) as amended from time to time; 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 system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- vii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- viii. The project proponent shall practice rainwater harvesting to maximum possible extent. The project proponent shall not adopt ground water recharge within plant premises to avoid underground contamination due to deposition of pollutants on roof top being highly dense industrial area. As committed, the industry shall adopt village Pond having 8093.71 sqm located in the Village BhmarsiJer, Block Sirhind, Mandi Gobindgarh for harvesting of 36,444 m³ of rain water. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- ix. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets/blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.

- iv. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- v. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- v. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant)

VII. Green Belt

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species (having Wide canopy type structure and especially trees not grass) in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant as assured during the presentation. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall. Wide canopy trees shall also be planted around the parking area to provide shade to the parked vehicles
- ii. The additional land of 0.41 acres proposed to be added for the expansion project to fulfill the 33% requirement of green belt shall not be used for any other purpose
- iii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile

STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the following activities and spent an amount as committed during the Public Hearing:

Sr. No.	Expenditure on Public Hearing Action Plan	Expenditure (in Rs.)
1.	Providing toilets in the Govt.Girls School located in the Village Chattarpur	2,75,000/-
2.	Construction of shed in cremation ground of Village AmbeyMajra	2,00,000/-
Total		Rs.4,75,000/-

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending atleast minimum amount of Rs. 3 Lacs towards following CER activities:

Sr. No.	CER Activities	Annual Expenditure (in Rs.)	Timeline	Total Expenditure in 6 months (in Rs.)
1.	Education- Maintenance of building of Govt. High School located at village AmbeyMajra& providing uniform to the poor & needy students	1,50,000	Within six months from grant of EC	1,50,000
2.	Electrification- Provide & install solar street lights in Village AmbeyMajra	1,00,000	Within six months from grant of EC	1,00,000
3.	Plantation along Village AmbeyMajra Rivulet	50,000	Within six months from grant of EC	50,000
Total		Rs.3,00,000		Rs.3,00,000

However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent.

The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend minimum amount of Rs 61.5 Lacs towards capital cost and Rs 10.05 Lacs / annum towards recurring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
- vi. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vii. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

XI. Validity

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier

XII. Miscellaneous

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

- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, 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 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 as well as the Ministry, 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.
 - i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- viii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- ix. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- x. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xi. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

- xiii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ADDITIONAL SPECIFIC CONDITIONS DECIDED DURING MEETING OF SEAC

- i. The project proponent shall provide STP for treatment of waste water & reutilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- ii. The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- iii. The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- iv. The project proponent shall comply with the standard operating procedures and upgradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- v. Whole of the vehicle movement area as well as approach road to the gate /weighing bridge shall be paved with pucca / metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- vi. The vehicles to be used for loading / unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- vii. The project proponent shall adopt green technologies to conserve the water and energy including shearing / cutting / bundling machines. Also to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- viii. The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for expansion project.

- ix. The project proponent shall take necessary action w.r.t. the following:
 - a. Recovery of iron from slag before disposing it off.
 - b. Identify the areas for utilization of slag in scientific manner and its usage in cement / construction industry / road laying etc.
 - c. Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- x. The project proponent shall obtain mandatory clearances under Pollution Control laws.

**Sd-
Member Secretary**

Endst. No.755-762

Through Email

Date: 22/08/2019

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
4. The Deputy Commissioner, Fatehgarh Sahib.
5. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Advisor (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the Partner : Sh. Rajinder Sharma
 - b) Phone Number : 254326
 - c) Email ID : jagatmpl@yahoo.com
7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
8. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110003.

**Sd-
Member Secretary**