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**F. No. J-11011/58/2015-IA II (I)**  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division)

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Dated: 10<sup>th</sup> June, 2016

To

✓ **M/s Fortune Metals Ltd.**  
Village Talwara, Mandi Gobindgarh,  
Tehsil Amloh, District Fatehgarh Sahib,  
Punjab-147301.

**Subject: Setting up 360 TPD Induction Furnaces (MS Billet) (3 sets of 15 MT Per Heat capacity), by M/s Fortune Metals Ltd., located at Village Talwara, Mandi Gobindgarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab - Environmental Clearance regarding.**

Sir,

This has reference to your online application No. IA/PB/IND/41005/2015 dated 15<sup>th</sup> January, 2016 along with copies of EIA/EMP report and subsequent letter No. FML/2016/240 dated 15<sup>th</sup> February, 2016 seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposal was initially received in the Ministry on 21<sup>st</sup> March 2015 for obtaining Terms of References (TORs) as per EIA Notification, 2006. The TORs to the project was awarded by Ministry of Environment, Forest and Climate Change vide letter No. J-11011/58/2015-IA.II (I) dated 15<sup>th</sup> July, 2015 for preparation of EIA/EMP report. The proposed project activity is listed at S.No. 3(a) in Metallurgical industries (ferrous & non ferrous) under Category 'A' of the Schedule of EIA notification 2006 and appraised by the Expert Appraisal Committee (Industry) of MoEFCC.

2.0 The proposal is for production of 360 TPD(0.118 Millions TPA) of MS Billets by setting up of 3 sets of Induction Furnaces of 15 TPH each within the premises of existing steel rolling mill of the company. The topography of the area is flat and reported to lies between 30°39'5.95"N to 30° 38'59.19"N Latitude and 76°19'32.05" E to 76°19'26.06" E Longitude in Survey of India topo sheet No. H43K6, at an elevation of 267 m AMSL. The ground water table reported to ranges between 7.02 to 30.06 m below the land surface during the post-monsoon season and 7.65 to 27.24m below the land surface during the pre-monsoon season. Further, the stage of groundwater development is reported to be 207% in core and buffer zone (Amloh region) respectively and thereby these are designated as over exploited zone. The detail of products with capacities of existing and proposed project is given below:

S. No.	Products	Unit	Production
1.	TMT Bars (Existing)	MT/day	280



2.	MS Billets (Proposed)	MT/day	360
3.	Iron Slag (By Product)	MT/day	10

3.0 The industry is having 4.7 acres (1.90ha) of land in the existing premises of Fortune Metals Ltd. Land falls under Industrial zone as per the Master Plan of Mandi Govindpur. The proponent has informed that in the court matter pertaining to land, the Hon'ble High Court of Punjab and Haryana maintained *status quo*. Out of the 1.9ha of land, an area of 0.4ha is for rolling mill, 0.3ha for installation of Induction Furnace, 0.2 ha for common utilities, 0.05ha for office, canteen etc., 0.2ha for roads, 0.55ha for storage of raw materials and products and 0.2ha No forestland involved. The entire land has been acquired. No rivers within 10 Km. radius of the project site. It has been reported that no water body and modification/diversion in the existing natural drainage pattern at any stage has not been proposed. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. are reported to be located in the core and buffer zone of the project.

4.0 The targeted production capacity of the MS Billets production is 0.118 million TPA. The raw material for the billets is iron scrap which will be sourced from local scrap dealers.

S. No.	Item	Unit	Quantity
1.	MS Scrap	MT/day	375
2.	Alloys such as Silicon, Silicon Manganese and Aluminum	MT/day	5

5.0 The water requirement of the project is estimated as 73 m<sup>3</sup>/day, which will be sourced from the existing tubewell of the factory in the existing premises. The power requirement of the project is estimated as 25 MW, it will be supplied by PSPCL to the industry through their grid.

6.0 It has been mentioned that a total of 10 TPD of solid waste in the form of iron slag will be generated due to the project, which will be sold to cement plants to be used in cement kilns. It has been envisaged that 20% of the project area will be developed as green belt around the project site to attenuate the noise levels and trap the dust generated due to the project development activities.

7.0 The Public hearing of the project was held on 15.09.2015 under the chairmanship of Additional Deputy Commissioner, District Fatehgarh Sahib, Punjab. The issues raised during public hearing are ownership of the land, pollution load, employment to the local residents etc.

8.0 The capital cost of the project is Rs. 54.30 crores and the capital cost for environmental protection measures is proposed as Rs 1.76 crores. The annual recurring cost towards the environmental protection measures is proposed as Rs 1.82 crores. The proponent has mentioned that there is no court case to the project or related activity; however in the court matter pertaining to land, the Hon'ble High Court of Punjab and Haryana maintained *status quo*.



9.0 The matter was considered during the 4<sup>th</sup> meeting held on 25<sup>th</sup> -26<sup>th</sup> February, 2016. After detailed deliberations, the EAC (I) recommended the project for Environmental Clearance and stipulated Specific Conditions along with other environmental conditions while considering for accord of Environmental Clearance.

10.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant Environmental Clearance to the above mentioned setting up of 360 TPD Induction Furnaces (MS Billet) by M/s Fortune Metals Ltd., under the provision of EIA Notification dated 14<sup>th</sup> September, 2006, as amended, subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITION:**

- i. The project proponent shall install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office.
- ii. Environmental clearance is subject to grant of clearance from Central Groundwater authority for withdrawal of ground water.
- iii. Green belt over 33% of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area and along road sides etc. by planting native and broad leaved species in consultation with local DFO, local community and as per the CPCB guidelines.
- iv. Secondary emission should be controlled by installing proper ducting system and the exhaust gases should be passed through the bag filter.
- v. Air pollution control devices viz. Electrostatic precipitator (ESP), and bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm<sup>3</sup>.
- vi. In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant etc. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.
- vii. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
- viii. Multi stage scrubber, cyclone and bag filters etc. to control particulate emissions within the prescribed limits shall be provided. Carbon mono-oxide (CO) shall also be monitored along with other parameters and standards notified under Environment (Protection) Act shall be followed. The reports shall be submitted to the Ministry's Regional Office, CPCB and SPCB.



- ix. Efforts shall further be made to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly.
- x. All the effluents shall be treated and used for dust suppression and green belt development. No effluent shall be discharged outside the premises via drains and 'zero' discharge shall be adopted. Domestic wastewater will be treated in the Sewage Treatment Plant.
- xi. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office, SPCB and CPCB.
- xii. Risk Assessment and Disaster Management Plan for the project focussing on Disaster Prevention shall be prepared and implemented in conjunction with District Disaster Management Plan.
- xiii. A time bound action plan shall be submitted to reduce solid waste generated due to the project related activity, its proper utilization and disposal.
- xiv. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.
- xv. The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
- xvi. The Company shall submit their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/



procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.

- xvii. The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.
- xviii. The project proponent shall provide for LED lights in their offices and residential areas.
- xix. The project proponent shall purchase scrap from dealers authorized from SPCB.
- xx. 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.
- xxi. Haulage roads shall be sprinkled with water at regular intervals for which water tankers with sprinkler arrangement are deployed. Regular sweeping of roads shall be practiced with vacuum sweeping machine or water flushing to minimize dust.
- xxii. Trucks carrying coal and other raw material shall be covered with tarpaulin to prevent spreading of dust during transportation.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
- iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chandigarh and the SPCB/CPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels

