

F. No. J-11011/827/2007 (A) (11/1)

भारत सरकार

Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail: hsmalviya@gmail.com
Telephone: 011: 2436 7076
Dated : February 5, 2008

To

M/s Sona Alloys Private Limited
Plot No. C-1
MIDC Industrial Estate
Lonand, Satara district,
Maharashtra

sonaalloys@gmail.com

Sub: Integrated Mini Steel Plant at Plot No. C-1 MIDC Industrial Estate
Lonand, Satara district, Maharashtra by M/s Sona Alloys Private
Limited -Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 28th June, 2007 alongwith application in Form - 1, Detailed project feasibility report and EIA/EMP seeking environmental clearance under EIA Notification 2006 and subsequent clarifications furnished vide letter dated 15th December, 2007.

2.0 The Ministry of Environment and Forests has examined your application along with the EIA/EMP and the clarification letter and noted that proposal is for setting up of Integrated Mini Steel Plant at Plot No. C-1 MIDC Industrial Estate Lonand, Satara district, Maharashtra by M/s Sona Alloys Private Limited. The plant will be located in notified MIDC Industrial Estate Lonand. The proposal pertains to establishment of integrated mini steel plant of 3 Lakhs tonnes per annum of production capacity. The details of the facilities to be set up in the plant are as given below:

Production unit	Item	Production (TPA)
Sinter plant	Sinter products	4,78,900 ✓
Blast furnace	Hot metal	3,37,000 ✓
Steel melt shop	Billets	3,15,750 ✓

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Following will be the Product By-product and production capacity

1. Rebar/wire rods/structural - 100,000 MT/annum
2. Granulated B.F. slag - 91,900 tonnes/annum

3.0 The total cost of the project will be Rs 338.0 Crores. The total land acquired is 150 acres.

4.0 Blast furnace, ladle converter, rolling mill, sinter plant, power plant and Rolling Mill will be the primary sources of air pollution. Bag filters, Venturi scrubbers and ESPs followed by stacks will be installed for control of air pollution from various sections. Details of proposed air pollution control equipments are as given below:

Sr. No.	Source	Stack Connected to	Air Pollution Control System
1.	Sinter plant	Main Exhaust system	ESP
		Cooler / crusher	ESP+Stack 50m
		Flux crushing de-dusting	BF+Stack 40m
		Coke Crushing de-dusting	BF+Stack 30m
2.	Blast Furnace	Cast house furnace extraction system	BF+Stack 30m
		Stock House De-dusting	BF+Stack 30m
3.	LD Converter	Gas exhaust system	WHRB+ venturi scrubber+Stack 30m
		Secondary emission dedusting system	BF+Stack 30m
4.	CCM	Spray for steel cooling	Hood+1m above rooftop
5.	Rolling Mill	Reheating Furnace	Stack - 58m
6.	Power plant	2 Boilers 15 TPH Cap.	Stack - 30m

5.0 The project activity is covered in 3 (a) and is of 'A' Category under the Schedule of EIA Notification, 2006. The Expert Appraisal Committee (Industry) in its 76th meeting held on 26th - 28th December 2007 found the EIA/EMP complete and adequate. Since the proposed project is in notified industrial area, it would not need Public Consultation as per Para 7(i) III. Stage (3) (b) of EIA Notification, 2006

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6.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i) The project authority shall ensure transportation of raw material by rail transport only.
- ii) Project authorities shall install on-line stack monitoring facilities for all the stacks and air pollution control equipments shall be installed with all emission sources to keep emissions levels below 100 mg/Nm³. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- iii) The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The state Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards.
- iv) Secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry. Guidelines / Code of Practice issued by the CPCB shall be followed.
- v) All the slag (400 TPD) generated from blast furnace shall be granulated and provided to the cement manufacturers for further utilization. Iron ore fines (1500 TPD) and coke fines (400 TPD) shall be 100% recycled in sintering process. Hazardous waste used oil (100 TPA) and furnace oil sludge (100 TPA) shall be sold to CPCB approved recyclers. ETP sludge (150 TPA) shall be disposed off to CHWTSDF, Pune. The company shall submit the membership of CHWTSDF to the Ministry's Regional Office within 3 months.
- vi) The company shall submit a complete solid waste management plan for disposal of various solid and hazardous waste generated from the plant to the Ministry's Regional Office within 3 months.
- vii) Green belt shall be developed in 33 % area with adequate width and density to mitigate the effects of fugitive emissions in and around the plant as per the CPCB guidelines in consultation with DFO.
- viii) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the steel sector shall be strictly implemented.



- ix) The project authorities shall make efforts to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted to Ministry's Regional Office at Bhopal.
- x) All the treated wastewater shall be recycled and reused and as far as possible 'Zero' effluent discharge shall be ensured.
- xi) Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and subsequent amendment in 2003.
- xii) The water requirement shall not exceed 6000KLD and shall be met through MIDC. No ground water shall be drawn for the plant.
- xiii) The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- xiv) Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. The company shall install CO detectors to detect leakage of CO from the BF. Cardiopulmonary Resuscitation facilities and mediated Oxygen cylinder facilities shall be provided.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB) 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 and Forests.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal 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 19th May, 1993 and 31st 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

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noise levels should conform to the standards prescribed in the Noise Pollution (Control and Abatement) Rules, 1989 viz 75 dBA (daytime) and 70 dBA (nighttime)

- vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- vii. The fund earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- viii. The Regional Office of this Ministry / CPCB / SPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- ix. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.
- x. Project authorities 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 and the date of commencing the land development work.
- 7.0. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 8.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.
- 9.0. 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 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(H.S. Malviya)
Joint Director

1. The Secretary, Department of Environment and Forests Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.

(H.S. Malviya)
Joint Director