

F. No. J-11011/406/2010-IA-II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

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Dated: 16<sup>th</sup> March, 2012

To,  
The Director,  
M/s Madhav Alloys Pvt. Limited  
Talwara Road, Sirhind Side  
Mandi Gobindgarh- 147301, Punjab

Ph: 01765- 251657 Fax: 01765- 256798  
E-mail: [sudhirgoyal@madhavgroup.com](mailto:sudhirgoyal@madhavgroup.com)

**Sub : Proposed Mild Steel billets manufacturing Unit of 3,00,000 MTPA capacity at Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib in Punjab by M/s Madhav Alloys Pvt. Limited- regarding Environmental Clearance**

Sir,

This has reference to your letter no. nil dated 7<sup>th</sup> July 2011 and subsequent communication dated 10<sup>th</sup> October, 2011 along with copies of EIA/EMP and public hearing reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Madhav Alloys Pvt. Ltd. have proposed for M.S. Billets manufacturing unit (3,00,000 MTPA) at Villages Akalgarh and Bhagwanpura, Tehsils Nabha and Amloh, Districts Patiala and Fatehgarh Sahib, Punjab. The total land requirement is 21.02 acres of which about 33 % area will be covered under green belt. No National Park/Wild life sanctuary/Reserve Forest is located within 10 Km radius of the project. Bhadsan Bir Protected Forest is located at 3 km distance towards SW from the site. No endangered / endemic species of flora and fauna have been reported in the study area. Ferro alloy, Iron & steel Ingots, Scrap, Sponge iron, Blocks Blooms, Lumps etc (3,09,278 MTA) will be used as raw material. Total cost of the project is Rs. 107.86 Crore and Rs. 5.45 Crore have been earmarked for environment protection measures.

3. To control the particulate emissions, pulse jet type bag filters would be installed. Stack of 30 m height will be provided for both the furnaces and the D.G set. One time fresh water demand will be 720 m<sup>3</sup>/day which will be met from the ground water source. Industrial waste water generated will be treated in ETP and the treated water will be recycled into the process. The domestic effluent will be treated in STP based on Submerged Aerated Fixed Film (SAFF) technology treated waste water will be used for green belt. The total power requirement is 26 MW which will be met from the 66 KV substation of PSEB. A DG set of 1,500 KVA capacity will be installed for power back up which requires 300 litres/day of HSD.

4. The solid waste generated in the form of slag which will be sold to the cement industries. The sludge from the STP will be used as manure. The sludge from the ETP will be sent to TSDF.

5. The proposed activity is listed at 3 (a) under Category 'B' as per the amendment of EIA Notification, 2006 dated 1<sup>st</sup> December, 2009. Due to location of the project within 10 km of the Critically Polluted Area, as per the General Condition of the EIA Notification, 2006, the proposal has been appraised by the Expert Appraisal Committee-1 (Industry) in the Ministry. Public hearings for the project were held separately at two districts namely Patiala and Fatehgarh Sahib on 1<sup>st</sup> March, 2011.

6. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 28<sup>th</sup> meeting held during 26<sup>th</sup> - 27<sup>th</sup> September, 2011. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions.

7. Based on the information submitted by you, presentation made by you and consultant, M/s Enkay Enviro Services, Jaipur Rajasthan, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions.

**A. SPECIFIC CONDITIONS:**

- i. The company shall install bag filters etc. to control the particulate emissions below 50 mg/Nm<sup>3</sup>. The gaseous emissions shall be dispersed through stack of adequate height as per the prescribed standards.
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 should be followed.
- iii. 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 30<sup>th</sup> May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- iv. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
- v. The total water requirement shall not exceed 720m<sup>3</sup>/day. Permission from the State Irrigation Department / Central Ground Water Board for drawl of water shall be obtained as may be applicable in this case.
- vi. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Chandigarh, PPCB and CPCB within 3 months of issue of environment clearance letter.

- vii. As proposed, green belt shall be developed in 33 % of the plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO. ?
- viii. All the commitments made to the public during the Public Hearings / Public Consultation meeting held on 1<sup>st</sup> March, 2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bangalore. ?
- ix. At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Chandigarh. Implementation of such program should be ensured accordingly in a time bound manner. ?
- x. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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. ✓

**B. GENERAL CONDITIONS:**

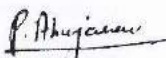
- i. The project authorities must strictly adhere to the stipulations made by the Punjab State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the unit shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19<sup>th</sup> May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. 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>, 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.
- v. 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.
- vi. The overall noise levels in and around the cement grinding unit 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)

- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. 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.
- x. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall

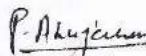
also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Chandigarh by e-mail.

- xv. 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 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 should be forwarded to the Regional office at Chandigarh
- xvi. 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.
8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory
9. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

  
(Dr. P.L. Ahujara)  
Scientist -F

**Copy to:**

1. The Secretary, Department of Environment, Government of Punjab, Secretariat, Chandigarh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032
3. The Chairman, Punjab Pollution Control Board, Vatavaran Bhavan, Nabha Road, Patiala-147001.
4. The Conservator of Forests, Regional Office (NZ), Bays No 24-25, Sector 31-A, Dakshin Marg, Chandigarh 160 047
5. Monitoring Cell, Ministry of Environment & Forests, New Delhi.
6. Guard file / Record file.

  
(Dr. P.L. Ahujara)  
Scientist 'F'