

Government of Maharashtra

No. SEAC -2010/CR-183/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 14th October, 2010

To,
M/s. Shree Vaishnav Casting Pvt. Ltd.
Plot no.B-3,
MIDC Palkhed,
Taluka Dindori,
District Nashik.
Maharashtra

Sub: Manufacturing unit of MS ingots and billets at B-3, Palkhed MIDC, Taluka Dindori, District Nashik by M/s. Shree Vaishnav Casting Pvt. Ltd. - Environmental clearance regarding.

Sir,

This has reference to your communication dated 29th January, 2009 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee, Maharashtra in its 21st meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 26th meeting held on 26th August, 2010. Authority noted your clarification dated 14th September, 2010 that the production unit is non toxic secondary metallurgical processing industry.

2. It is noted that the proposal is for grant of Environmental Clearance Manufacturing unit of MS ingots and billets at B-3, Palkhed MIDC, Taluka Dindori, District: Nashik by M/s. Shree Vaishnav Casting Pvt. Ltd. The project considered by SEAC under EIA Notification 2006, screening category is 3 (a).

Project information from submitted & considered documents is summarized as below-

Name of the Project	:	Manufacturing unit of MS ingots and billets
Type of Project	:	Industrial project
Project Proponent	:	M/s. Shree Vaishnav Casting Pvt. Ltd.
Location of the project	:	Plot no.B-3, MIDC Palkhed, Taluka Dindori, District Nashik. Latitude: 19° 35' and 20° 52'N Longitude: 73° 16' and 74° 56'E
Total plot area	:	26,609 m ²
Estimated cost of the project	:	₹ 34.05 Crores

Production capacity:

- M.S Ingots & Billets: 7500 TPM

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Raw material:

- M.S. Scrap : 5650 TPM
- Sponge Iron: 2450 TPM
- Additive (i.e. Ferrous Silicone, Silicone Manganese, etc.): 110 TPM

Water Requirement: 250 KLD Source: MIDC

There is no process water requirement; hence industrial effluent shall be NIL.

Domestic Effluent: 40 CMD; Sewage effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any shall be used on land for gardening.

Solid Waste Management:

- Metal slag & Fine dust: 500T/m
- Process needs refractory lining and is being changed every month.
- Solid waste generation is about 2%.
- Solid waste is non hazardous.
- Solid waste will be landfill at present, in own premises. However, it can be used as building material and in cement mills. Efforts are being made to find a user in nearby area.

Power Requirement: 9 MW; Source: MSEB.**Green Belt Development:** green area: 5,600 sq. m.

- It is proposed to plant 100 trees/ year of local tree species within the plant and along the boundary of the plant.
- Tree guards will provided for plantation outside the plant boundary.
- Green belt shall be developed around the solid waste landfill area for control of fugitive dust emissions.

Air pollution control measures:

- Major source for air pollution is during charging of raw material in to induction furnace and while pouring the molten metal.
- Control device shall be Wet Scrubber followed by a stack of 30 meters height.
- The stack shall be provided with adequate sampling arrangements.
- The scrubber water shall be filtered in sand bed and clear water is re-circulated.
- It will be our endeavor to procure clean raw material, to avoid dust emissions.
- It will be our endeavor to have smooth paved internal roads to avoid fugitives.
- Efforts like water spraying, tree plantations and covered storage etc. shall be adopted, wherever feasible and needed.
- Rubber wheel carts/ trucks shall be used to transport materials.
- Low speed internal travel, avoiding spillage in transport.
- Plant layout shall be designed to minimize material handling in the main plant.
- No open storage of material on unlined land to the maximum possible extent.
- Tree plantation on surrounding available area.

Socio economic Environment:

- Rehabilitation of settlement is not needed as it is in existing MIDC area.
- The trained manpower is locally available and would be deployed from nearby villages.
- The commercial impact shall be positive in nature, as it shall add to the income of the local population.
- The project will help meet the steel demand in the region, thus shall help in improving the living of the population in the region.



- Major employment to local people.
- Development of ancillary activities like transportation, gardening, canteen etc.
- Rs. 4 Lac/annum is proposed for CSR activities depending on the needs of local villages.
- This money will be used for water, health, education, sanitation and plantation programme.

Environmental Management Plan:

Cost of environmental protection measures (Rs.78 Lakhs)

S. No.	Particulars	Recurring Cost per annum	Capital Cost
1	Air Pollution Control	Rs. 3.50,000	50,00000
2	Water Pollution Control	--	--
3	Noise Pollution Control	--	--
4	Environment Monitoring and Management	1,00,000	--
5	Reclamation borrow/mined area	--	--
6	Occupational Health	50,000	--
7	Green Belt	50,000	2,00000
8	Solid waste management	50,000	25,00,000

3. The proposal has been considered by SEIAA in its 26th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :
- The project proponent clarified that the production unit is non toxic secondary metallurgical processing industry. MPCB should ensure this while granting consent to establishment & operate. MPCB also ensure that raw material which will be used in this unit, particularly metal scrap, should be non hazardous & nontoxic. Project proponent should submit the copy of Consent to establishment & operate obtained accordingly to this department.
 - No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
 - No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
 - For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
 - Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
 - Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
 - Proper House keeping programmes shall be implemented.
 - In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.




- (ix) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (x) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xi) Arrangement shall be made that effluent and storm water do not get mixed.
- (xii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xiii) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xiv) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xv) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xvi) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xvii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xviii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xix) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xx) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- (xxi) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxiii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiv) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxv) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxvi) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that



- the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>
- (xxvii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
 - (xxviii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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 website of the Company by the proponent.
 - (xxix) The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - (xxx) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - (xxxi) The environmental statement for each financial year ending 31st 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 along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
 - (xxxii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.
 6. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
 7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.



8. Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.


(Valsa R Nair Singh)
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerala.
3. The Secretary, Energy department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032., Maharashtra
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Nashik.
7. Collector, Nashik.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director(TC-1), Dy. Secretary(TC-2), Scientist-1, Environment department
10. Select file (TC-3).