



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment & Forests

A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/MDK - 2 /08-

445

Dt:14-05-2008.

Sub: SEIAA— M/s. Jeevaka Industries Ltd., (Steel Plant Division) (Expansion) at Chegunta (V&M), Medak District, A.P.- Environmental Clearance - Issued -Reg.

- I. This has reference to your letter dt. 27.09.2007, and subsequent letters 3.10.2007, 23.11.2007, 4.01.2008 seeking Environmental Clearance for the proposed expansion of existing project titled M/s. Jeevaka Industries Ltd., (Steel Plant Division) at Chegunta (V&M), Medak District, A.P. The proposal has been examined and processed in accordance with EIA Notification, 2006. There are no Archaeologically & Historically important sites within the study area of 10 km around the proposed site. Total area of the site is Ac. 16.01. The capital cost of the project is Rs. 21.50 Crores. It is noted that the production capacity of the project, for which Environmental clearance has been considered is as follows:

**M.S. Billets - Expansion from 96 TPD to 400 TPD.
TMT Bars/ Structural Steel- 400 TPD**

- II. In the process the raw materials are viz. Sponge Iron (DRI), Scrap are fed into induction furnace of capacity 2x25 MT. Ferroalloys are added to the liquid steel in the Ladle Refining Furnace. The liquid steel is allowed into concast machine to produce billets. The Billets are allowed into rolling mill (1x400 TPD) from which TMT Bars, Structural Steel are manufactured.
- III. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meetings held on 9.10.2007, 19.12.2007, 25.01.2008 and 26.02.2008. The Committee considered the project and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 02.02.2008 and 9.04.2008 examined the proposal and the recommendations of SEAC. It was decided to issue Environmental Clearance under the Para 7(ii) of EIA-2006. The SEIAA, A.P hereby accords Environmental Clearance to the project as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards:

A. Specific Conditions:

a) Air pollution:

- i The fuel for the reheating furnace is Furnace oil. The emissions from the Re-Heating Furnace shall be routed through the combined stack of height 42 m. The emissions from the induction furnaces shall be extracted by providing hood and duct and routed through FD Cooler, cyclone followed by venturi scrubber and let out into the atmosphere through combined stack of height of 42m with twin flues (30m stack for induction furnace, 42m stack for reheating furnace). The particulate emissions from the furnaces should not exceed 100 mg/Nm^3 as informed by the proponent during presentation. The D.G. set (1x500 KVA) shall be provided with stack height 5 m above the roof as per CPCB norms.
- ii Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions.
- iii Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials is stopped automatically.
- iv Ambient air quality including ambient noise levels must not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APSPCB and report submitted to the Board and to the Ministry's Regional Office at Bangalore half yearly.
- v Storage of raw material shall be in closed roof sheds. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the roads in the plant area shall be asphalted/concreted and water sprayed to reduce the fugitive dust emissions.
- vi In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials handlings etc. shall be provided. Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points, and other raw material handling areas. Fugitive emissions shall be regularly monitored and records maintained.

b) Water Pollution:

- vii The source of water is Ground Water. The total water requirement shall not exceed 70 KLD. Out of that, 60 KLD is utilized for cooling purposes in SMS plant and rolling mill. Remaining 10 KLD of water is utilized for domestic purposes. No wastewater is generated from the cooling as it is recycled and part of it evaporated. The scrubber blow down water shall be treated in a settling tank and reused for cooling purpose. No effluent shall be discharged outside the factory premises. Domestic sewage (8.0 KLD) shall be sent to septic tank followed by soak pit.
- viii The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- ix Green belt of width 10 m shall be developed in an area of Ac.5.50, along the boundary as mentioned during the presentation as per the CPCB guidelines in consultation with the local DFO. The density of the trees should be around 2000 plants per ha.

Solid Waste :

- ix The Slag (40TPD) generated from Steel Melting Shop is to be used in road construction, Mill Scales (12 TPD) generated from the Rolling Mill is to be disposed to Cement Plants as committed by the proponent in the presentation.
- ix The project authorities shall strictly comply with the provisions made in Manufacture, storage and Import of Hazardous Chemicals Rules, 1989; Hazardous Waste (Management and Handling) Rules, 1989 and their amendments thereof.

B. General Conditions.

- i. **This order is valid for a period of 5 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA before the start of any construction work at site.
- iii. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P.
- iv. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA on 1st June and 1st December of each calendar year.
- v. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, Nox monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

- vi. Data on ambient air quality (RPM, SPM, SO₂, Nox) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- vii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- viii. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- ix. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- x. The funds (Capital Cost Rs. 50 Lakhs, Recurring Cost Rs. 2.0 lakhs) earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, A.P and Ministry and its Regional Office located at Bangalore.
- xi. The Regional Office of MOE&F located at Bangalore 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.
- xii. A copy of clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- xiii. State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Center and Collector's Office /Tehsildar's Office for 30 days.
- xiv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.
- xv. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xvi. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

- xvii. The company shall undertake eco-development measures including community welfare measures in the project area.
- xviii. The proponent shall obtain all other mandatory clearances from respective departments.
- xix. 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 Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-
MEMBER SECRETARY
SEIAA, A.P.

Sd/-
MEMBER
SEIAA, A.P.

Sd/-
CHAIRMAN,
SEIAA, A.P.

To ✓

Sri. Anil Agarwal, Managing Director,
M/s. Jeevaka Industries Ltd.,
(Steel Plant Division),
R.O. 15-2-358, 1st Floor,
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//T.C.F.B.O//


JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

15/5/08