



REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/MBN-29/2010- 2436

Dt: 26-03-2011.

**Sub: SEIAA, A.P. – M/s. Scan Energy and Power Ltd., Sy No. 34 to 36, Kondurg (V & M), Mahaboobnagar District - Environmental Clearance (EXP) - Issued - Reg.**

I. This has reference to your letter dt. 26.12.2009 and subsequent lr.dt. 24.12.2010 & 21.02.2011 seeking Environmental Clearance for the proposed expansion of existing plant in the name of **M/s. Scan Energy and Power Ltd., Sy No. 34 to 36, Kondurg (V & M), Mahaboobnagar District.** The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. It was reported that the project proponent had obtained CFE for establishment of a plant to produce 80 TPD of MS Billets and 150 TPD of Rolled products. It is now proposed to increase the capacity in the existing plant. The area of the existing land is Ac. 35.39. Out of that, the area of Greenbelt is Ac.12.0. Nearest Human habitation viz., Chakloniguda (V) exists at a distance of about 1.2 km from the site. The revised capital cost of the expansion project is Rs. 81.21Crores. It is noted that the production capacity of the project, for which Environmental clearance has been considered is as follows:

Product	Production Capacity (TPD)		
	for which CFE obtained	Proposed	Total
M.S. Billets	80 (in operation)	420	500
Rolled products /Structural steels	150 (construction yet to be started)	350	500

- II. In the manufacturing process of MS Billets, the raw materials viz. Sponge Iron (DRI), Scrap and Ferro Alloys are fed into Induction furnace. The liquid steel is allowed into concast machine to produce M.S. Billets. The Billets are heated in the reheating furnace and allowed into Rolling mill to produce TMT Bars/ structural steel.
- III. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meetings held on 01.02.2010, 25.06.2010 and 24.02.2011. Public hearing was held on 01.12.2010 in the existing premises of the industry. The Sub-Committee constituted by the SEAC inspected the site on 20.06.2010 and submitted the report. The SEAC examined the proposal, report of the Sub-Committee, minutes of the Public Hearing and recommended for issue of prior EC to the project. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 05.03.2011 examined the proposal and the recommendations of SEAC. It was decided to issue prior Environmental Clearance. The SEIAA, A.P **hereby accords Environmental Clearance for expansion of 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 emissions from the induction furnaces (3 x 15 MT) shall be extracted by fume exaction system and routed through bag filters and let out into the atmosphere through stacks (3 no.) each of height 30m. The particulate emissions from the stack shall not exceed 100 mg/Nm<sup>3</sup> as informed by the proponent during presentation.

Furnace oil is to be used as fuel in the Reheating furnace. The flue gases from the rolling mill (1 x 350 TPD) are to be let out through a stack height 41m as mentioned during presentation. The particulate emissions from the stack shall not exceed 100 mg/Nm<sup>3</sup> as informed by the proponent during presentation. The D.G. sets (1 x 600 KVA) shall be provided with stack height 5m above the roof as per CPCB norms.

- ii Port hole shall be provided to the stack to conduct stack monitoring. On line monitoring system with continuous monitoring facility shall be provided to record the emissions from the stack.
- iii 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 APPCB and report submitted to the Board and to the Ministry's Regional Office at Bangalore half yearly.
- iv The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points.
- v Raw materials and products shall be transported in covered trucks. Storage of raw material shall be in roof sheds. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the conveyor belts shall be covered with G.I. Sheets. 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.
- vii Ambient air quality must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MoE&F, GOI. The Ambient Noise levels shall not exceed the standards prescribed by the MoE&F, GOI vide Notification dt. 11.01.2010. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the Board and to the Ministry's Regional Office at Bangalore half yearly.
- viii 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.

#### **b) Water Pollution:**

- i The source of water is ground water. It is proposed to use the air cooled condensers instead of water cooled condensers. The total water requirement for expansion shall not exceed 90.0 KLD. Out of that, cooling water make-up for IF is 35 KLD; cooling water make-up for Rolling Mill is 45 KLD and for domestic purpose is 10.0 KLD.

No waste water is generated from the cooling as it is recycled and part of it evaporated. No effluent shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Waste water (8 KLD) generated from the domestic section shall be sent to septic tank followed by soak pit.

- ii The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.
- iii Green belt of width 10 m shall be developed (in an area of atleast Ac.12), along the boundary as mentioned during the presentation in consultation with the local DFO. The density of the trees should be around 2000 plants per ha.

#### **Solid Waste :**

- i The Slag generated from the IF (42.0 TPD) is to be used for road construction after recovery of iron; Mill Scales from Rolling Mill (18.0 TPD) shall be re-used.
- ii The proponent shall comply with rules under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and their amendments thereof. The proponent shall also comply with the rules under Hazardous Wastes (Management and Handling and Transboundary Movement) Rules, 2008 and its amendments thereof while disposing of waste oils and

**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 before the start of any activity / 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 1<sup>st</sup> June and 1<sup>st</sup> 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, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> 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, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>) 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 earmarked for environmental protection measures (Capital investment Rs. 420 Lakhs and Recurring cost Rs. 30 lakhs/ annum) as informed during the presentation should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, 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. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
- xvii Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

- xviii The proponent shall undertake eco-development measures including community welfare measures in the project area.
- xix. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.
- xx. The proponent shall obtain all other mandatory clearances from respective departments.
- xxi. Concealing the factual data or 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.
- xxii The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxiii 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. Chiranjib Das, GM,  
M/s. Scan Energy and Power Ltd.,  
HIG-4, BDA colony, Gangadhar Meher Marg,  
Jayadev Vihar, Bhubaneswar, Orissa. 751013.**

//T.C.F.B.O//



 **JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)**