

F. No. J-11011/726/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003
E-mail: ms.industry-mef@nic.in
Tele/fax: 011 – 2436 3973
Dated: December 27th, 2010

To,

The Vice President (Commercial)
M/s Beekay Steel Industries Ltd.
Lansdowne Towers
2/1A, Sarat Bose Road, 4th Floor,
Kolkata-700 020. West Bengal

Fax No.: 033-2283 3322

Sub: Expansion of Rolling Mill (TMT Bars from 2,00,000 to 3,90,000 TPA) at Adityapur Industrial Area, Gamharia, Seraikela, Kharsawan, Jharkhand by M/s Beekay Steel Industries Limited- regarding Environmental clearance

Sir,

This has reference to your letter no. BSIL/GSR/SFEW-42/20100-11 dated 22.05.2010 along with a copy of EIA/EMP reports and subsequent communication dated 13th November, 2010 seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Beekay Steel Industries Ltd. have proposed for the expansion of Rolling Mill (TMT Bars from 2,00,000 to 3,90,000 TPA) at Adityapur Industrial Area, Gamharia, Saraikela, Kharsawan, Jharkhand. Total land acquired for the project is 12 acres. The company has already acquired the land area. The project is located at a distance of 27.12 km from the Saraikela in Jharkhand which has been identified as severely polluted area. Total cost of the project is Rs. 1,698.04 Lakhs. Rs. 25 lakhs and Rs. 6 lakhs are earmarked respectively as the total capital cost and recurring cost/annum for environmental pollution control measures.

3. Following are the details of existing and proposed products to be manufactured:

Existing	2,00,000 TPA TMT Bars
Proposed	1,90,000 TPA TMT Bars
TOTAL	3,90,000 TPA TMT Bars

4. Dust and fumes from the rolling mill will be controlled by providing stacks of adequate height to control emissions within 50 mg/Nm^3 . Adequate stack height will be provided to D.G. Sets for dispersion of gaseous emissions. Water sprinkler will be provided to suppress fugitive emissions. Total water requirement after expansion will be $40 \text{ m}^3/\text{day}$. The treated effluent will also be used for dust suppression and green belt development. Sanitary Sewage will be treated in septic tank followed by soak pit. No effluent will be discharged outside the plant premises and 'Zero' discharge will be adopted.

5. The solid waste will be generated in the form of end-cuttings and mill scales which will be sold to the recyclers and steel plant units. Green belt will be developed in 4.0 acres (33%) of plant area. Acoustic enclosures will be provided to D.G. Sets (2x125 KVA) to control noise within permissible limits. The power requirement will be met from the Jamshedpur Utilities and sources CO. (JUSCO). HSD will be used for fueling D.G. Sets (2x125 KVA).

6. This is a 'B' category project. The Rolling Mill Plants are listed at S.No. 3(a) under Secondary Metallurgical Industries under Category 'B' of the Schedule of EIA Notification, 2006 and appraised by the SEIAA / SEACs. Since no SEIAA/ SEAC has been constituted in the Jharkhand State, proposal has been appraised by the Expert Appraisal Committee in the Ministry.

7. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 13th meeting held during 26th - 28th August, 2010. The Committee sought additional information for reconsideration of the project. On receipt of additional information, the proposal was placed for reconsideration before the Expert Appraisal Committee in its 16th meeting held during 22nd - 24th November, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. No public hearing/consultation is required due to project being located in notified Adityapur industrial area as per Section (iii), Stage (3), Para (i) (b) of EIA Notification 2006.

8. Based on the information submitted by you, presentation made by you and consultant, M/s VISIONTEK CONSULTANCY SERVICES PVT. LTD., Bhubaneswar, 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 company shall install wet scrubber and bag filters etc. to control the particulate emissions below 50 mg/Nm^3 .
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th 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 30th 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 40m³/day. Permission from the Competent Authority shall be obtained to draw the water. No effluent shall be discharged and 'zero' discharge shall be adopted.
- 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 Bhubaneswar, JSPCB 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. At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.
- ix. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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 Jharkhand State Pollution Control Board 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. 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.
- 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 PM10, SO₂ and NO_x 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 Bhubaneswar 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 19th May, 1993 and 31st 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 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 noise levels should 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 amount 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 Bhubaneswar. 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 Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (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 Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.
- xiv. 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar 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 Bhubaneswar.
- 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.

9. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11. 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.

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

Copy to:-

1. The Secretary, Department of Forest, Govt. of Jharkhand, Nepal House, Ranchi.
2. The Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office, (EZ) A-3, Chandrashekharpur, Bhubaneswar-715023.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
4. The Chairman, Jharkhand State Pollution Control Board, T.A Division Building (Ground Floor) HEC Campus, Dhurwa, Ranchi -834004.
5. The Director (Monitoring Cell), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

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

NO.	DATE	TIME	BY
TOTAL			