

F. No. J-11011/869/2008- 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: 23<sup>th</sup> July, 2010

To,

The Managing Director,  
M/s Balajee Hi-tech Rolling Private Limited.  
603, Shanti Kunj Apartment, Chajjubagh  
Patna- 800 001, Bihar.

E-mail: [ecocareasanol@rediffmail.com](mailto:ecocareasanol@rediffmail.com)  
Fax: 033- 22137398

**Sub: Proposed non recovery Coke Oven Plant (60,000 TPA) at Plot No. 470, 472, 473 & 474, Mouza Chatro, Village Gangapur, P.O. Gadi Srirampur, District Giridih in Jharkand by M/s Balajee Hi-Tec Rolling Pvt. Ltd. - Environmental Clearance reg.**

Sir,

This has reference to your letter no. MOEF/ BHR/10 dated 3<sup>rd</sup> March, 2010 along with copies of final EIA report and public hearing report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s Balajee Hi-Tec Rolling Pvt. Limited have proposed for the non recovery Coke oven plant (60,000 TPA). Total land acquired for the project is 7.64 acres of which 2.52 acres will be developed under green belt. No R & R is involved. Protected forest (3.5 - 15 km., SW-NE), Usri River (1 km.) Bara Kar River (8 km.), Reservoir (9.5 km. N), State Highway (0.75 km.) are located around the project site. Total cost of the project is Rs. 12.23 Crores. Rs. 51.00 Lakhs and Rs. 7.00 Lakhs earmarked towards total capital cost and recurring cost/annum are revised to Rs. 35.50 Crores for environmental pollution control measures.

3. It is noted that gaseous emissions will be generated due to burning of coking coal and coal crushing unit. Dust catcher/Wet scrubber type air pollution control system will be installed to control the emissions below the prescribed limits. Bag filters will be installed to mitigate the fugitive emissions at coal crushing unit. APCS and stack of proper height as per CPCB guidelines will be installed. Dry fogging system will be installed to control the fugitive emission act coal crushing area during loading and unloading of material. Waste heat will be utilized in preheating of coal to conserve the energy. Water sprinkling will be carried out at all dust generating points.

*P. Anuj*

4. Total ground water requirement of 192m<sup>3</sup>/day will be sourced from the existing bore wells. Primary treatment of the wastewater will be done before recycling and reusing the wastewater for quenching the hot coke and for cooling the water circuit. No liquid effluent is envisaged since the plant will work on closed loop system. The domestic waste water (1.5m<sup>3</sup>/d) will be disposed through septic tank and soak pit. Coal fines (1002 TPA) will be used in the process and coke fines will be sold out. Coal ash slurry (435 TPA), dust from air pollution control system and rejects (402 TPA) will be sold to briquette units and used for land fill. Used oil will be handled as per HW (M&H) Rules. Coke slurry (435 TPA) will also be generated and sold to briquette plants. Green belt will be developed in 33% of plant area i.e., 2.52 acres. Noise will be generated from coal crushers, conveyors, DG sets etc. Power requirement (350 KVA) will be met from DVC/JSEB. DG set (320 KVA) will be installed.

5. All the Coke Oven Plants (< 2,50,000 TPA) are listed at S. No. 4(b) under category 'B' and appraised by the SEIAA/SEAC. Due to absence of SEIAA/SEAC at the state level in Jharkhand, proposal has been appraised by the Expert Appraisal Committee (Industry) at the Central level.

6. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 11<sup>th</sup> meeting held during 24<sup>th</sup> - 26<sup>th</sup> June, 2010. The Committee recommended the project for environmental clearance. Public hearing of the project was held on 30<sup>th</sup> October, 2009.

7. Based on the information submitted by you, presentation made by you and consultant, Shiva Test House, Patna, 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 :**

1. Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided.
2. Stack monitoring facilities for all the major stacks and adequate air pollution control systems viz. dust catchers or cyclones, Multi stage scrubber, bag filters etc. to control particulate emissions below 50 mg/Nm<sup>3</sup> from coke oven plant shall be provided. Carbon mono-oxide (CO) shall also be monitored alongwith other parameters and standards notified under E (P) Act shall be followed. The reports shall be submitted to the Ministry's Regional Office at the Bhubaneswar, Central Pollution Control Board (CPCB) and Jharkhand Pollution Control Board (JPCB).
3. 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.

*P. Ahujara*

4. The prescribed emission standards for coke oven plants, as notified vide notification no. GSR 46 (E) dated 3<sup>rd</sup> February, 2006 and subsequently amended shall be complied with.
5. Multi stage scrubber shall be installed to control gaseous and dust emission from the coke oven stack.
6. The waste heat from the coke oven unit shall be utilized for preheating of the coal to conserve the energy.
7. In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc. Dry fogging system shall be used for dust suppression at material handling and transfer points.
8. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
9. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
10. Total requirement of the water from ground shall not exceed 192 m<sup>3</sup>/day. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
11. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
12. Ground water monitoring around the solid waste disposal site / secured landfill (SLF) should be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and Jharkhand SPCB.
13. Permission from the Central Ground Water Board / Central Ground Water Authority shall be obtained for water drawl as may be applicable in this case.

P. Anujeev

14. As proposed, green belt shall be developed in 2.52 acres of plant area within and around the project site to mitigate the impact of fugitive emissions as per the CPCB guidelines in consultation with local DFO.

15. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Coke Oven Plants shall be implemented.

16. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 30<sup>th</sup> October, 2009 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 Bhubaneswar..

17. At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details alongwith 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.

18. Risk and Disaster Management Plan alongwith the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.

19. 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 19<sup>th</sup> 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 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 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 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 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 CECB. 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 Bhubaneswar/ 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 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. 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.

*P. Ahuja*

12. 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

E-mail: ms.industry@nic.gov.in  
Tel: 011-23381000  
Date: 01/08/2008

*P. Ahujarai*  
**(Dr. P.L.Ahujarai)**  
**Scientist -F**

**Copy to:-**

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

*P. Ahujarai*  
**(Dr. P. L. Ahujarai)**  
**Scientist 'F'**

This has reference to your letter no. MOEF/BHR/10 dated 30/07/08 along with copies of final EIA report and public hearing report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that M/s. Salajeo Hi-Tec Rolling Pvt. Limited have proposed for the non recovery Coking oven plant (60,000 TPA). Total land acquired for the project is 7.64 acres of which 2.52 acres will be developed under green belt. No R & R is involved. Protected forest (3.5 - 15 km. SW-NE), Usn River (1 km.) Sara Kar River (8 km.) Reservoir (9.5 km. N). State Highway (0.75 km.) are located around the project site. Total cost of the project is Rs. 12.23 Crores. Rs. 51.00 Lakhs and Rs. 7.00 Lakhs earmarked towards total capital cost and recurring cost/annum are revised to Rs. 38.89 Crores for environmental pollution control measures.

3. It is noted that gaseous emissions will be generated due to burning of coking coal and coal crushing unit. Dust catcher/Wet scrubber type air pollution control system will be installed to control the emissions below the prescribed limits. Bag filters will be installed to mitigate the fugitive emissions of coal crushing unit. APCD and stack of proper height as per CPCB guidelines will be installed. Dry fogging system will be installed to control the fugitive emission of coal crushing area during loading and unloading of material. Waste heat will be utilized in preheating of coal to conserve the energy. Water sprinkling will be carried out at all dust generating points.

*P. Ahujarai*