



State Level Environment Impact Assessment Authority, Jharkhand.

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Letter No.- EC/ SEIAA / 2013-14/162/2013/906

Ranchi, Date: 01/05/15

To:

Shri Sameer Banerjee,  
Shastri Nagar,P.O.- Dhanbad,  
Jharkhand-826 001.

Sub.: Environmental Clearance for the project "M/S OSD Coke Pvt. Ltd (Kandra Unit) for 136 TPD Coke Oven, 300 TPD Coal Washery, 200 TPD Slurry Washery and 110 TPD Briquette Plat at Kandra Industrial Area.P.O.- Bhattia, Dist.- Dhanbad, Jharkhand".

Sir,

It is in reference to the project "M/S OSD Coke Pvt. Ltd (Kandra Unit) for 136 TPD Coke Oven, 300 TPD Coal Washery, 200 TPD Slurry Washery and 110 TPD Briquette Plat at Kandra Industrial Area.P.O.- Bhattia, Dist.- Dhanbad, Jharkhand" submitted by you for seeking prior Environmental Clearances(EC).

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its meeting held on 12<sup>th</sup> to 15<sup>th</sup> February, 2015.

M/s OSD Coke Private Limited have proposed for setting up of Coke Oven Plant (45,000 TPA), Coal washery (90,000 TPA), slurry washery (60,000 TPA) and Briquette Plant (33,000 TPA) at Bokaro Industrial Area Development Authority (BIADA), Kandra Industrial Area, Bhattia, District Dhanbad, Jharkhand. Proposed plant will be set up in 5.5 acres. The land is within the existing Industrial Area of BIADA. Green belt will be developed in 1.8 acres out of total 5.5 acres. No national park/wild life sanctuary is located within 10 Km. Dhangi reserve forest is located at a distance of 2.5 Km. Khudia Nadi flows at a distance of 2.2 Km and Jauria Nallah flows at a distance of 4.2 Km from the project Site. Total cost of the project is Rs. 14.80 Crores. Rs 0.81 Crores and Rs. 0.16 Crores are earmarked towards capital cost and recurring cost per annum for pollution control measures.

Sl. No.	Manufacturing Items	Plant Capacity		Manufacturing Technology
		TPD	TPA	
1	Hard Coke	136	45000	Non Recovery Coke Ovens
2	Beneficiated Coal	300	90000	Coal Washery (Hydro-Cyclone)
3	Beneficiated Slurry	200	60000	Slurry Washery (Froth Flotation)
4	Briquette	110	33000	Briquette Plant

State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its meeting held on 02.04.2015 discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the project "M/S OSD Coke Pvt. Ltd (Kandra Unit) for 136 TPD Coke Oven, 300 TPD Coal

Washery, 200 TPD Slurry Washery and 110 TPD Briquette Plant at Kandra Industrial Area, P.O.- Bhattia, Dist.- Dhanbad, Jharkhand" alongwith the following conditions-

**A. Specific Conditions**

1. This Environmental Clearance is valid subject to the following condition below –  
That this project has-
  - a. Obtained all legal rights to operate at concerned place.
  - b. Complied with all existing concerned laws of the land and
  - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
2. 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.
3. 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 to within the prescribed limits from coke oven shall be provided. Carbon mono-oxide (CO) shall also be monitored along with other parameters and standards notified under E (P) Act shall be followed. The reports shall be submitted to JSPCB at Ranchi to the nearest regional office of JSPCB.
4. Multi stage scrubber shall be installed to control gaseous and dust emission from the coke oven stack. Measures shall be taken to prevent leakages from the coke oven plant.
5. 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.
6. 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.
7. 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.
8. Total requirement of the water shall not exceed 60 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.
9. 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. Rain water harvesting as proposed in the Report will be implanted in two nearby villages. The scheme has to be got approved from Ground Water Directorate, Government of Jharkhand / Central Ground Water Authority / Board.
10. Waste from the hard coke unit, shall be provided to the briquette manufacturing units. Coal and coke fines shall be recycled and reused in the process. Coal washery rejects will be used judiciously. The bag filter dust shall be used for land filling. The waste oil shall be properly disposed off as per the Hazardous Waste (Management, Handling, Handling and Transboundary Movement) Rules, 2008.

11. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPm and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
12. 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 and washery rejects shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
13. Efforts shall 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 should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
14. As proposed, green belt shall be developed in 33% 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. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the JSPCB within 3 months of issue of environment clearance letter.
17. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.
18. 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**

1. No change in process technology should be made without prior approval of the Statutory authorities, Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
3. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
4. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.
5. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

6. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
7. 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. 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.
8. Dispensary facilities for First Aid shall be provided at site.
9. 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.
10. The funds 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 Jharkhand State Pollution Control Board, Ranchi.
11. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
12. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
13. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM, RSPM,SO<sub>2</sub>, NO<sub>x</sub> (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
14. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / 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 website of the Company by the project proponent.
15. 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 Jharkhand 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 the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
16. All statutory clearances shall be obtained before start of plant operations.

### C. Other points

1. The Authority (SEIAA) reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.

2. The Environmental Clearance accorded shall be valid for a period of five (5) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under 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 Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Sd/-

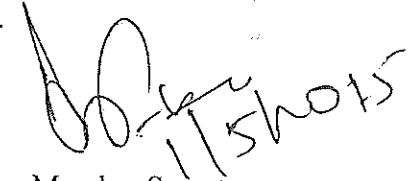
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.

Memo No.- EC/ SEIAA/2013-14/162/2013/ 988

Dated: 01.05.15

Copy to:

1. Principal Secretary, Department of Forests & Environment, Jharkhand.
2. Deputy Commissioner, District- Dhanbad, Jharkhand.
3. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi - 110003.
4. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
5. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
6. Website.
7. Guard file

  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.

