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Date : 19 / 10 / 2010

To  
M/s. Wellman Carbo Metalicks (India) Ltd..  
189, BD Block, Sector - I, Salt Lake City  
Kolkata - 700 064

*Subject : Environmental Clearance for the proposed expansion of the existing Non Recovery Type Coke Oven Plant by M/s. Wellman Carbo Metalicks (India) Ltd. at Mouza - Mathura Kismat, PO - Samraipur, PS - Kharagpur, Dist. - West Midnapore, West Bengal.*

Sir,

This has a reference to your application no. WCMIL/SEIAA/03082009 dated 03/08/2009 and subsequent communications for Environmental Clearance for the proposed expansion of the existing Non Recovery Type Coke Oven Plant by M/s. Wellman Carbo Metalicks (India) Ltd. at Mouza - Mathura Kismat, PO - Samraipur, PS - Kharagpur, Dist. - West Midnapore, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, of 2006. It is noted that the proposed project proposal is for expansion of the existing Non Recovery Type Coke Oven Plant through installation of additional 1 block of 20 Coke Ovens with Heat Recovery, for manufacturing additional 30,000 tonnes per annum of Low Ash Metallurgical Coke. The existing plant consists of 40 Coke Ovens of production capacity 60,000 tonnes per annum.


It is noted that the salient features of the project for which Environmental clearance has been considered are as follows :

- i. Location of the Site - Mouza - Mathura Kismat, PO - Samraipur, PS - Kharagpur, Dist. - West Midnapore, West Bengal.
- ii. Land Area - within the existing plant (16 acres). Green area - 5.5 acres.
- iii. Proposed installation - Non Recovery Type Coke Oven Plant (20 nos. of ovens) with Heat Recovery system.
- iv. Additional Production Capacity - Low Ash Metallurgical Coke 30,000 tonnes per annum.
- v. Additional Raw Materials - Coking Coal 40,000 tonnes per annum.
- vi. Emission Sources - Raw Material Handling unit, Coke Oven Plant.
- vii. Emission Control System - Two stage Water Scrubber, Gravity separators and / or Bag Filters with stack of height 32.3m from GL to be provided for 20 nos. coke ovens. Stack emission (PM) shall not exceed 50 mg/Nm<sup>3</sup>.
- viii. Make-up Water Requirement - 40 KLD, ground water supply.
- ix. Wastewater - quenching wastewater will be recycled after settling and no effluent will be discharged outside the plant premises. Guard pond will be provided.
- x. Solid Waste - Coal and Coke fines will be recycled with coal blend. Refractory waste to be used for low land filling.
- xi. Power Requirement - 500 KVA, existing WBSEDCL supply

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused the recommendations of the State Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14<sup>th</sup> September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

**A. SPECIFIC CONDITIONS:**

- i. The gaseous and particulate emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. The Coke Oven Plant should be provided with two stage Water Scrubber, Gravity Separators and / or Bag Filters and stack of height 32.3m from G.L. as proposed. Stack emission (PM) should not exceed 50 mg/Nm<sup>3</sup>. Stack emissions should be monitored at regular intervals and records should be maintained.
- iii. Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained.
- iv. Additional Groundwater shall not be abstracted without prior permission of the local body and the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- v. Coal handling plant will be provided with Bag Filters for dust extraction. Coal crusher should be provided with dust suppression system. Regular cleaning of ducts should be carried out.
- vi. Covered storage yard for raw materials and finished products to be provided. Water sprinkling arrangement should be provided at Coal stockyard. Loading and unloading operations should not be carried out in open areas. Adequate measures should be adopted for controlling fugitive emission during transportation of raw materials and finished products.
- vii. Adequate measures to be adopted for control of fugitive emission. All transfer points should be provided with Dry fogging system.
- viii. Stamp charging technology should be adopted. The Coke Oven should be operated under negative pressure. Adequate measures should be adopted for controlling emission from Coke Oven during pushing of coke. Pusher cars should be used for transfer of coke to the quenching section.
- ix. Wet Quenching process should be carried out in closed tower. Adequate measures to be adopted for control of emission from Coke Quenching Tower.
- x. It should be ensured that the effluent from quenching does not have any phenol, cyanide or any other toxic substances. Process effluent discharge is not permitted. Cooling water & quenching wastewater should be recycled after treatment. Zero discharge of effluent should be ensured.
- xi. Installation of WHRB should be considered. High temperature flue gas produced during coking may be supplied to WHRB for power generation.
- xii. Solid wastes generated should be reused as proposed.
- xiii. Adequate provisions should be made for harvesting rainwater. The unit may develop water body of adequate capacity to harvest rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.
- xiv. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards 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 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent amendments.
- xv. Green belt shall be developed within and around the plant premises in consultation with DFO / West Bengal Wasteland Development Corporation Ltd/ West Bengal Biodiversity Board. Atleast 33% of the land area should be covered by plantation.
- xvi. All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution



- under control (PUC) norms. Proper house keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- xvii. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xviii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xix. Corporate Social Responsibility programmes should be carried out, as proposed. The proponent should also invest Rs.5 lakhs per annum for implementation of CSR, as proposed.
- xx. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

**B. GENERAL CONDITIONS:**

- i. The environmental safeguards contained in the EMP report should be implemented in letter and spirit. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ii. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- iii. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
- iv. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- v. No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority.
- vi. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.
- vii. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable.
- viii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.
- ix. The State Level Environment Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the SEIAA (<http://enviswb.gov.in>). This should

Conditions for Environmental Clearance for the proposed expansion of the existing Non Recovery Type Coke Oven Plant by M/s. Wellman Carbo Metalicks (India) Ltd. at Mouza - Mathura Kismat, PO - Samraipur, PS - Kharagpur, Dist. - West Midnapore, West Bengal.

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.

- xi. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
- xii. Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xiii. All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.
- xiv. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- xv. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

Yours faithfully,

Sd/-

( Debal Ray )

Member Secretary, SEIAA &  
Chief Environment Officer

No. EN/2927 /T-II-1/077/2010/1(3)

Date : 19 / 10 /2010

Copy forwarded to :-

1. The Secretary, SEAC, West Bengal
2. EC Guard File
3. Member Convener, Monitoring Cell



( Debal Ray )

Member Secretary, SEIAA &  
Chief Environment Officer