



Government of India
Ministry of Environment & Forests
(IA Division)

Speed post

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Dated: June 10, 2009

F.No. J-11011/211/2009-IA-II (I)

To

The Vice President
M/s Prakash Industries Limited,
Near IOCL Depot., Najafgarh-Bijwasan Road
New Delhi-110061

Fax-011-28062119

Sub: Expansion of Rolling Mill (1,80,000 TPA to 4,30,000 TPA) and setting up of Ferro Alloys Plant (12750 TPA - 7.5 MVA) at New Industrial area, Gogaon, Tehsil & District Raipur, Chhattisgarh by M/s Prakash Industries Limited - Environmental Clearance reg.

Sir,

This has reference your letter no. PIL/DL/SKJ/3103/01 dated 31st March, 2009 Application Form I and prefeasibility report seeking environment clearance under EIA Notification 2006 for the above mentioned project and subsequent clarification furnished by you vide your letter no. PIL/DL/SKJ/2304/01 dated 25th April, 2009.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal is for expansion of Rolling Mill (1, 80,000 TPA to 4, 30,000 TPA) and setting up of Ferro Alloys Plant (12750 TPA- 7.5 MVA) at New Industrial area, Gogaon, Tehsil & District Raipur, Chhattisgarh by M/s Prakash Industries Limited. The total land required for the project will be 18.493 acres. The total cost of the project is Rs. 54.00 Crores. Details of the existing and proposed products and production capacity are as given below:

Sl. No.	Plant	Product	Existing capacity	Proposed capacity	Total capacity
1.	Wire Rod Mill/TMT	TMT/Wire Rod	180,000 TPA	250,000 TPA	430,000 TPA
2.	Ferro alloy Plant-7.5 MVA	Ferro-silicon	-	12,750 TPA	12,750 TPA

3.0 Fumes extraction system, bag filters followed by stack will be provided to submerged arc furnace to control emissions below 100 mg/Nm³. Recuperator followed by stack will be provided to reheating furnace. Conveyor belts will be covered and bag filters/ Dry fog dust suppression system will be provided to control fugitive emissions. Total ground water requirement will be 360 m³/day. 24 m³/day wastewater will be generated from utilities which will be treated and used for dust suppression and green belt development. Ferro silicon plant will be slag less. Mill scale will be used in group company. Bag filter dust will be disposed off in environment-friendly manner including providing to cement-manufacturing units for further utilization.

4.0 Public hearing is exempted as per Section (iii), Stage (3), Para (i)(b) of EIA Notification, 2006.

5.0. 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 compliance to the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i) 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. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- ii) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz fumes extraction system, bag filters, I D fan and stack of adequate height to submerged electric arc furnace and recuperator and stack with rolling mill shall be provided to keep the emission levels below 100 mg/Nm³.
- iii) Ambient air quality monitoring stations shall be set up in consultation with the Chhattisgarh Environment Conservation Board (CECB) including one ambient air quality monitoring station in the downwind direction.
- iv) In-plant control measures for checking fugitive emissions from all the vulnerable sources like bag filter, spark arrestor shall be provided. Dry fog system, Fume and dust extraction system with bag filters shall be provided at the raw material handling, transfer and discharge points to control fugitive emissions. Crusher with closed chamber system shall be used. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.
- v) Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhopal, Chhattisgarh Environment Conservation Board (CECB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.
- vi) Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
- vii) Total ground water requirement from bore wells shall not exceed 360 m³/day. Closed cycle water-cooling system shall be adopted to reduce the water consumption and no wastewater shall be generated from the ferro alloy plant. All the treated effluent (24 m³/day) shall be used for dust suppression, ash handling and green belt development within the plant premises. Domestic wastewater shall be treated in septic tanks followed by soak pit system. No wastewater shall be discharged outside the factory premises and 'Zero' discharge shall be adopted.



- viii) Prior permission for the drawl of 360 m³/day ground water from the State Ground Water Board / Central Ground Water Authority (SGWB/CGWA) shall be obtained.
- ix) The manufacturing of Ferro-silicon shall be slag less and no slag shall be produced from ferro alloy plant.
- x) All the solid waste shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall be disposed in secured landfill as per CPCB guidelines. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.
- xi) Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhopal, CECB and CPCB.
- xii) As proposed, green belt shall be developed in at least 6.1 acres (33 %) out of total 18.493 acres to mitigate the impact of fugitive emissions within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xiii) As proposed, Rs. 3.92 Crores and Rs. 0.65 Crores/annum shall be earmarked as the capital and recurring cost for the environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- xiv) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro alloy and steel plan shall be strictly implemented.
- xv) Provision shall be made for the housing of 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:

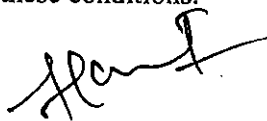
- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office and the SPCB / CPCB once in six months.



- iv. 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.
- v. 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).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. 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.
- ix. The Regional Office of this Ministry/CPCB/SPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- x. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, Gram Panchayat, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
- xi. 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 shall be forwarded to the Regional office at Bangalore.
- xii. 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.

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

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



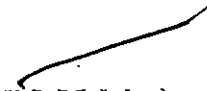
8.0. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

9.0 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 and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(H.S. Malviya)
Joint Director

Copy to:

1. The Secretary, Department of Environment, Govt. of Chhattisgarh, Raipur, Chhattisgarh
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh.
4. The Chief Conservator of Forests (Eastern), Regional Office (Western Zone), E-3/240, Arera Colony, Bhopal - 462 016, M.P.
5. Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard file.
8. Record file.


(H.S. Malviya)
Joint Director