



By speed post

भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

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February 11, 2009

F. No. J-11011/927/2008-IA-II(I)

To

M/s Hindalco Industries Ltd.
GIDC Industrial Area, Dahej,
Distt. Bharuch,
Gujarat

Sub: Expansion of Continuous Cast Copper Rod (CCR) Plant (120000 to 240000 TPA) by de-bottlenecking at GIDC Industrial Area, Dahej, Lakhigam, District Bharuch by M/s Hindalco Industries Limited (unit- Birla Copper Dahej) - Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 27th November, 2008 alongwith Form I and prefeasibility report seeking environmental clearance under EIA Notification 2006 for the above mentioned project and submission of EIA/EMP, Safety Audit report and onsite emergency plan on vide letter dated 30th December 2008 and other communication vide letters dated 22nd December 2009 and 17th January 2009.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of CCR plant (120000 to 240000 TPA) by de-bottlenecking at GIDC Industrial Area, Dahej, Lakhigam, District Bharuch by M/s Hindalco Industries Limited (unit- Birla Copper Dahej). The land area of the project is 365 acres. The cost of the project will be Rs. 60.0 Crores.

3.0 The Continuous Cast Rod plant is based on the technology uses liquefied natural gas as fuel with high efficiency burners hence gaseous emission will be minimal. The total water requirement for the proposed plant will be 500 KLD which will be sourced from GIDC Narmada River. The liquid effluent which will have soluble oil from rolling mills will be generated once in six months which will be treated in existing ETP. The treated effluent is discharge into the deep sea as recommended by NIO and approved by GPCB. The manufacturing process does not generate any liquid effluent.

4.0 The public hearing is not required as per para 7(i)IIIstage(3)(b) of the 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 of the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i) The company shall comply with the stipulations made in the environmental clearance issued by the Ministry vide letter No - J-11011/220/2004-IA.II(I) dated 18.03.2005.
- ii) The company shall install sufficient air pollution control equipments to comply with the emission norms prescribed by the Gujarat Pollution Control Board.
- iii) The company shall provide the monitoring arrangement with stacks/vents and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.
- iv) 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.
- v) The water requirement and wastewater generation for expansion project shall not exceed 500.0 KLD and 0.5 KLD respectively.
- vi) The company shall obtain the permission for drawl of 500 KLD water from Narmada River and submit a copy to the Ministry's Regional Office at Bhopal.
- vii) Green belt shall be developed in 33 % area in and around the plant as per the CPCB guidelines in consultation with DFO.
- viii) 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. 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 Pollution Control Board (SPCB) 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.
- iv. 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 shall be regularly submitted to this Ministry including its Regional Office and the SPCB / CPCB once in six months.
- v. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.
- vi. 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.
- vii. 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- viii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix. 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.
- x. 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. Suggestions made during the public hearing shall be implemented.



- xi. Adequate fund shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be 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.
- xii. 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.
- xiii. 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.
- xiv. 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.

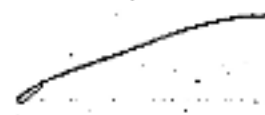
8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

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 and Forests, Govt. of Gujarat, Secretariat Gandhinagar-382010
2. The Chairman, Central Pollution Control Board, Pariyesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), Ravishankar Nagar, Link Road-3, Bhopal- 462016, M.P.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Guard file.
7. Record file


(H.S. Malviya)
Joint Director