



सत्यमेव जयते

Government of India

Ministry of Environment, Forests & Climate Change

F. No. J-11011/119/2007-IA II (I)

Indira Paryavaran Bhawan

Jor Bagh Road, Ali Ganj,

New Delhi – 110003

E-mail: tchand2003@yahoo.co.uk

Tel: 011: 24695313

Dated: 11th August 2014

To

M/s Dalmia Cement (Bharat) Limited,

Hansalaya, 11th & 12th Floor

15, Barakhamba Road, P.B. No. 364

New Delhi – 110 001.

E-mail: kcnarang@dalmiacement.com dcbl@del2.vsnl.net.in Fax No. : 011-23313303

Subject: Cement plant (4.0 MTPA), Clinker (2.6 MTPA) and Captive Power Plant (40 MW) of **M/s Dalmia Cement (Bharat) Limited** at Yadwad, Gokak, Belgaun, Karnataka (**Extension of validity of Environment Clearance**) –reg.

Sir,

This is with reference to this Ministry's environmental clearance of even no. dated 24.06.2008 for the aforesaid project and your letter dated 28.03.2013 seeking extension of validity of the aforesaid Environmental Clearance (EC).

2. The aforesaid proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 18th meeting held during 28-30th April 2014. It was noted that the aforesaid project could not be established within validity period of the granted EC mainly because of:

- Delay in 6(1)B relaxation of the associated captive limestone mine and change in extent of Mining Lease allocated by State Government requiring revision in Mining plan.
- If the ML area exceeds ten square Kilometers in a state (Karnataka), it requires 6(1)B relaxation from Ministry of Mines as per the Provisions of the Mines and Minerals (Development & Regulation) Act, 1957 –**Obtained 6(1)b relaxation on 17th August, 2011.**
- Change in extent of ML area after inclusion of some interspersed land which were deleted earlier (within the same lease boundary). Revised LOI for an area of 1228.63 ha in place of 1157.26 ha issued by State Gov. vide letter no. DMG:MLS:384AML07:11-12 dtd. 24th Feb 2012.
- Mining plan had to be revised as per the revised ML area and submitted to IBM on 24th May 2012 which was approved on 12th July 2013.

After detailed deliberations, the Committee recommended for the extension of validity of EC by a period of three years with effect from 23.6.2013 subject to environmental safeguards.

3. The Ministry accepts the recommendation of the REAC (Industry) and extends the validity of the Environmental Clearance letter no. J-11011/119/2007 - IA II (I) dated 24.06.2008 for a period of three years with effect from 23.6.2013 subject to the environmental safeguards.
4. All other conditions stipulated in the environmental clearance letter no. J-11011/119/2007 - IA II (I) dated 24.6.2008 shall remain the same.
5. The company shall obtain fresh environmental clearance in case of any change in the scope of the project.

This issues with the approval of the Competent Authority.



(Dr.T.Chandini)
Director

Copy to:

1. The Secretary, Department of Environment & Ecology, Govt. of Karnataka, Room No. 708, Gate 2, Multi Storied Building, Dr. Ambedkar Veedhi, Bangalore - 560 001
2. The Additional Principal Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore) Kendriya Sadan, 4th Floor, E&FWing, II Block Koramangala, Bangalore-560034.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Karnataka State Pollution Control Board, #49, Parisara Bhavana, Church Street, Bangalore-01 (Karnataka).
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

(Dr.T.Chandini)
Director

F. No. J-11011/119/2007- 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 : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 24th June, 2008

To, ✓
M/s Dalmia Cement (Bharat) Ltd.
Hansalaya 11th & 12th Floor
15, Barakhamba Road, P.B. No. 364
New Delhi – 110 001.

E-mail : kcnarang@dalmiacement.com / dcbl@del2.vsnl.net.in ;
Fax No. : 011-23313303

**Subject : Cement plant (4.0 MTPA), Clinker (2.6 MTPA) and Captive Power Plant (40 MW)
at Yadwad, Gokak, Belgaum, Karnataka by M/s Dalmia Cement (Bharat) Ltd.
Environment clearance reg.**

Sir,

Kindly refer your letter no. DCBL/MOEF/Belgaun/07 dated 16th January, 2007 alongwith project documents including Form-I, Pre-feasibility Report, draft Terms of References and EIA/EMP as per the EIA Notification, 2006 and subsequent clarifications furnished vide communications dated 5th June, 2007, 22nd June, 2007 and 18th February, 2008 regarding above mentioned cement project.

2.0 The Ministry of Environment & Forests has examined the application. It is noted that M/s Dalmia Cement (Bharat) Ltd. have proposed to set up a Cement Plant (4.0 MTPA), Clinker (2.6 MTPA) and Captive Power Plant (40 MW) at Yadwad, Gokak, Belgaum, Karnataka. Total land acquired is 120 ha. 42% Ordinary Portland Cement (OPC), 3% Pozzolana Portland Cement (PPC) and 55% Slag Cement (PSC) will be manufactured. The environmental clearance for the Captive (Yadwad) limestone mine is yet to be obtained and have applied for the same to the Ministry. Total cost of the project is Rs. 1,047.21 Crores.

3.0 Cement plant will be based on dry process and pre-calciner technology. Electrostatic precipitators (ESPs), bag house and bag filters will be provided to control gaseous and fugitive emissions from different sources. Total water requirement from Ghataprabha River will be 3,100 m³/day. Captive Power Plant will be provided with air-cooled condensers to reduce the water intake. No wastewater will be generated from the process since wastewater generated will be used for dust suppression and green belt development at the site. Dust collected in various air pollution control equipments will be recycled back to the process. Refractory bricks will be sold to outside agencies. Fly ash will be used in manufacturing PPC and bed ash as boiler bed material. ETP and STP sludge will be composted and used as manure for green belt development.

4.0 Public hearing / Public consultation meeting was held on 13th November, 2007.

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 strict compliance to the following specific and general conditions:

A. SPECIFIC CONDITIONS:

- i. Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and limit of particulate matters shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system. Electrostatic precipitator (ESP) to clinker cooler and captive power plant, bag house to raw mill / kiln and cement mill shall be provided to control air emissions within 50 mg/Nm³ and reports submitted to the Ministry's Regional Office at Bangalore, Central Pollution Control Board (CPCB) and Karnataka Pollution Control Board (KPCB).
- ii. Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed. Bag filters with ventilation system shall be provided to coal mill, all the raw material handling areas, clinker, cement & fly ash silos, clinker hoppers etc. to control fugitive emissions from the material handling areas. Closed clinker stockpile system shall be adopted and bag filters shall be provided to clinker hoppers. Water sprinkling arrangements shall be made in the material stockyards and cement bags loading areas. To eliminate fugitive emissions, transportation of the ash to the cement plant shall be in closed containers and pneumatic transfer of the ash into ash silos in cement plant.
- iii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. Wagon and truck tippers for unloading and transportation shall be covered with tarpaulin. Internal roads shall be asphalted and sprinkled with water regularly.
- iv. As proposed, total water requirement from Ghataprabha River shall not exceed 3,100 m³/day. No water shall be drawn from Dodahalla nullah. Captive Power Plant shall be provided with air-cooled condensers to reduce the water intake. The process effluent from captive power plant (CPP) shall be treated in effluent treatment plant (ETP) and treated wastewater shall be recycled and reused in the cement manufacturing process and/or for dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.
- v. 'Permission' for the drawl of 3,100 m³/day from River Ghataprabha shall be obtained from concerned Department. Captive Power Plant shall be provided with air-cooled condensers to reduce the water intake.
- vi. All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently as amended in 2003.
- vii. Efforts shall be made to use fly ash generated from the power plant maximum in making Pozzolana Portland Cement (PPC). Bed ash shall be collected in ash cooler hoppers and then conveyed to a bed ash storage silo for further use as boiler bed material.

- viii. All the dust collected from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Refractory bricks having high recycling values shall be sold to outside agencies or disposed off in environment-friendly manner. Domestic solid waste i.e. sludge shall be composted and used as organic manure for the green belt development within the plant and colony area. Used oil and scrapped auto mobile batteries shall be sold to authorized recyclers/reprocessors only.
- ix. An effort shall be made to use of high calorific hazardous waste viz. municipal solid waste, solvents, spent oil, agro waste, sludge from DG sets and used tyres etc. in the cement kiln and necessary provision shall be made accordingly.
- x. Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.
- xi. As proposed in EIA/EMP, out of total 120 ha., green belt shall be developed in 40 ha (33 %) in and around the plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
- xii. Prior environmental clearance from the Ministry of Environment & Forests for the Captive (Yadwad) limestone mine shall be obtained.
- xiii. All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.

B. GENERAL CONDITIONS :

- i. The project authority shall adhere to the stipulations made by Karnataka Pollution Control Board (KPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Karnataka Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed KPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.
- iv. One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with KPCB and report submitted to the KPCB quarterly and to the Ministry's Regional Office at Bangalore half-yearly.
- v. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all around the stockyard and loading /

unloading areas shall be carried out to control fugitive emissions. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos.

- vi. The company shall harvest the rainwater from the rooftops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- vii. The company shall undertake eco-development measures including community welfare measures in the project area.
- viii. 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 Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- ix. Proper house keeping and adequate occupational health programmes shall be taken up.
- x. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xi. As proposed in EIA/EMP, Rs. 31.05 Crores and Rs. 4.28 Crores earmarked towards capital cost and recurring cost/annum respectively for the environmental pollution control measures shall be suitable used 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 at Bangalore / CPCB / KPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- xiii. The 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.
- xiv. 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 Karnataka Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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.

6.0 The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bangalore.

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

8.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

9.0 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.

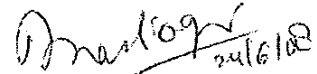
10.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.



(Dr. P. B. Rastogi)
Director

Copy to :-

1. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
2. The Chairman, Karnataka State Pollution Control Board, 6,7,8 & 9th Floor, (Public Utility Building), Subhas Chandra Bose Building, M.G. Road, Bangalore - 560001, Karnataka.
3. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
4. The Secretary, Department of Environment & Forests, Government of Karnataka Bangalore, Karnataka.
5. Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
7. Guard file.
8. Monitoring file.
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(Dr. P. B. Rastogi)
Director