

F. No. J-11011/59/2010-IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

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Dated: 14<sup>th</sup> June, 2013

To,  
The President (Works)  
M/s Binani Cement Limited  
P.O. Binanigram – 307 025.  
Sirohi, Rajasthan

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Subject: Expansion of Clinker Production (4.0 MTPA to 4.8 MMTPA) at Khasra No. 59, 64, 70-72, 76-77, 79-80, 660, 662 village Amli, tehsil Pindwara, district Sirohi, Rajasthan by **M/s Binani Cement Ltd. – Amendment in Environment Clearance regarding change in fuel mix.**

Ref: i) MoEF letter no. J-11011/59/2010 - IA II (I) dated 1.5.2010  
ii) Your letters No.Nil dated 20.2.2013

Sir,

This is in continuation of this Ministry's letter referred above and your letter under reference, wherein you have requested for the amendment in the environmental clearance (EC) dated 1.5.2010 for use of petcoke as a fuel in the kiln for manufacture of clinker.

2. The proposal referred above was placed before the Reconstituted Expert Appraisal Committee (Industry) in its 7<sup>th</sup> meeting held during 4-5<sup>th</sup> April, 2013. It was noted that following are the amendment sought by the proponent:

S.No.	Fuel details	Existing	Proposed
1.	Fuel Mix	Imported Coal + Pet coke	Imported Coal + Pet coke
2.	Ratio	80% : 20%	65% : 35%
3.	Net CV (Kcal/kg)	Imp. Coal = 5750 Pet coke = 7450	Imp. Coal = 5750 Pet coke = 7450
4.	Fuel Consumption, (MT/month)	40,690	40,247 (443 MT/month fuel saving)

3. Further, it was noted that there will be no additional land requirement, no change in manufacturing process and production capacity, no additional water requirement due to the proposed change of fuel mix. Due to the proposed change of fuel mix in the clinker plant, there will be no additional wastewater generation and no sulphur-di-oxide (SO<sub>2</sub>) emission from kiln as limestone is the main component of the kiln feed and sulphur in the fuel (pet coke) gets absorbed in the process. The Committee recommended for the amendment in the EC dated 1.5.2010 as referred above subject to the environmental safeguards.
4. The Ministry accepts the recommendation of the REAC (Industry) and amends the environmental clearance of even no. dated 1.5.2010. In line no.2 of paragraph 3 of the environmental clearance (EC) of even no. dated 1.5.2010, after raw materials the line "Fuel comprising of 65% Imported Coal + 35% Pet Coke shall be used in the kiln for manufacture of clinker" is hereby included.
5. After item (xx) under sub-para A. Specific Conditions of Para No.6, the following items shall be added:-
- xxi. High efficiency ESP shall be installed to control particulate emission below 50mg/Nm<sup>3</sup> and emission shall be dispersed through stack of adequate height.
  - xxii. Low NOx burners shall be installed to control NOx emission from the boilers.
  - xxiii. Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
  - xxiv. A detailed study on chemical composition of coal used particularly heavy metal contents shall be carried out through a reputed institute and report shall be submitted to Regional Office of the Ministry at Lucknow. Only after ascertaining its radioactive level shall fly ash shall be utilized in the cement plants.
  - xxv. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2009.
6. All other conditions stipulated in the environmental clearance even no. dated 1.5.2010 shall remains the same.
7. In case, there is a change in the scope of the project, fresh environmental clearance shall be obtained.

This issues with the approval of the Competent Authority.

  
(Dr.V.P.Upadhyay)  
Director(S)

**Copy to:-**

1. Secretary, Department of Environment and Forests, Government of Rajasthan, Jaipur, Rajasthan.
2. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
3. Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur, Rajasthan.
4. The Additional Principal Chief Conservator of Forests (Central), Ministry of Environment and Forests, Region Office (Central), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow – 226 024, U.P.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

**(Dr.V.P.Upadhyay)**  
**Director(S)**