



**State Level Environment Impact Assessment Authority  
Madhya Pradesh  
Government of India  
Ministry of Environment & Forests**

**Madhya Pradesh Pollution Control Board**

E-5. Arera Colony  
Bhopal-4620 16  
visit us <http://www.mpseiaa.nic.in>  
Tel:0755-2466970

No:290/EPCO-SEIAA/10  
Date:09/08/2010

To,

**Satguru Cement Pvt Ltd,**  
102, Golden Tower 94/47,  
Sneh Nagar, Main Road,  
Indore- M.P.,

**Sub:- Prior Environmental Clearance to proposed expansion in production capacity of Mini cement plant from 30,000 TPA to 95,000 TPA and production of clinkers production capacity 150000 TPA at village- Ghursal, Jeerabad, Teh- Gandwani, Distt- Dhar M.P. Case no 248/2008**

Kindly refer your letter no EXP/SEIAA/01/2008 dated 2/12/08 along with project documents including Application in Form I. EIA/EMP and Pre-feasibility Report as per EIA Notification, 2006 and subsequent clarifications furnished vide letter dated 30/09/09 and 13/11/09 regarding above mentioned expansion proposal.

2. The State Level Expert Appraisal Committee (SEAC) has examined the application. It is noted that the proposal is for the expansion of existing Mini Cement Plant at village- Ghursal, Jeerabad, Teh- Gandwani, Distt- District Dhar, Madhya Pradesh from 30000 TPA 95000 TPA and production of clinker 150000 TPA. The expansion will be carried out at the existing site and no additional land will be required. Total land available is 3.762 Ha. acres. SEAC considered the above case in its meeting held on 29/01/2010 and 28/04/2010 recommended the case to SEIAA for grant of prior environmental clearance.
3. Lime stone, Clay, coke-breeze and Gypsum will be used as raw material. Vertical Shaft Kiln (VSK) will be used for the production of ordinary Portland Cement. The process will involve raw meal grinding, homogenization, nodulizing, clinker

formation in VSK, feeding of clinker and gypsum to ball mill to get OPC and packing. Dust collectors will be provided to control gaseous emissions.

Fugitive emissions will be controlled by providing covered conveyers, water spraying etc. Total water requirement will be 13 KLD. All the solid waste generated will be used in the process itself.

4. The public hearing was conducted at the collectorate, Distt. Dhar-M.P. on 23/09/2009.
5. After considering the facts mentioned above the State Level Environment Impact Assessment Authority (SEIAA) considered the above case in its 38<sup>th</sup> meeting held on 22/06/2010 and decided to accord environmental clearance under the provisions of EIA Notification, 2006 subject to strict compliance to the following specific and general conditions.

**A. Specific Conditions**

- i. Cement grinding shall be carried out in closed clinker and shall have highly efficient bag filters and cyclone to control dust emissions. Dust collectors shall also be provided to control gaseous emissions.
- ii. The gaseous and particulate matter emissions from various units shall conform to standards prescribed by the M.P. Pollution Control Board. Adequate pollution control measures viz. high efficiency bag filters, dust collectors etc. shall be provided to control particulate matters to 50mg/Nm<sup>3</sup>.
- iii. The fugitive emissions during loading and unloading shall be suitably controlled by Bag house/ reverse public-jet bag, filters shall be provided to control dust from the crusher venting, hopper, silo, venting, packer etc. Fume extraction system followed by de-dusting system shall be provided to control fugitive emissions in raw material handling. Loading and unloading areas. Water sprinkling shall also be done to control fugitive emissions. Clinker shall be stored in the closed silos and gypsum in covered shed.

- iv. Ambient air quality monitoring stations (AAQMS) shall be set up as per statutory requirement in consultation with the M.P. Pollution Control Board. 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 shall be carried out regularly in consultation with MPPCB and data submitted to the CPCB and MPPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- v. Total water requirement shall not exceed 13 KLD. All the waste water shall be recycled and reused in the process used for dust suppression and green belt development. Closed loop cooling system shall be used and no waste water shall be discharged outside the premises. 'Zero' effluent discharge shall be adopted.
- vi. Stack emission shall not exceed 50 mg/NM<sup>3</sup> as per the commitment.
- vii. Project proponent has to strictly follow the direction/guidelines issued by MoEF, SEIAA, CPCB and other Govt. Agencies from time to time.
- viii. Project proponent shall explore the possibility of using solar energy wherever possible.
- ix. Commitments towards CSR have to be followed strictly.
- x. Regular health check-up record of the workers has to be maintained at site.
- xi. The emission quality from VSK shall also be controlled and cement Research Institute modified VSK shall be installed.
- xii. The capacity enhancement be done by installing one VSK of 100 T capacity along with ball and a cement mill.
- xiii. The DG set (500 KVA) will be provided with acoustic arrangements to attenuate the noise pollution. The emission from DG set shall be dispersed as per the CPCB/MPPCB standards.

## **B. General Conditions**

- i. The project authority shall adhere to the stipulations made by M.P. Pollution Control Board (MPPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of the State Level Environment Impact Assessment Authority.
- iii. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. Bag house, bag filters and bag dust collectors shall be provided to clinker hopper, cement silo, fly ash silo, elevator, packer, cement transport equipment etc. to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Dust emissions from all the sources shall be less than 100 mg/Nm<sup>3</sup>. Fugitive dust emissions from ball mill and storage areas shall be collected in bag house and bag filters and recycled back to the process. Storage of raw material shall be in silos or closed roof sheds.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) 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).
- v. Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops 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.
- vi. Proper house keeping and adequate occupational health programmes shall be taken up.
- vii. The company shall undertake eco-development measures including community welfare measures in the project area.

- viii. Project proponent shall utilise minimum 33% of the plot area for development of green belt.
- ix. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- x. Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures and used exclusively to implement the conditions stipulated by the SEIAA as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- xi. The Regional Office of this Ministry at Bhopal/CPCB/MPPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- xii. The Project authorities shall inform the Regional Office of the Ministry, the data of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
- xiii. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the M.P. Pollution Control Board and may also be seen at Website of the State Level Impact Assessment Authority at [www.mpseiaa.nic.in](http://www.mpseiaa.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 of the ministry at Bhopal.
- xiv. The project authority has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA of M.P. on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.

6. The SEIAA 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 Bhopal.
7. The SEIAA may revoke or suspended the clearance if implementation of any of the above conditions is not satisfactory.
8. Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.
9. 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. 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.

Sd/-

**(Ashok Shah)**  
Member Secretary, SEIAA

Endt No. 291/SEIAA/EPCO/10

Dated:-09-8-2010

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavarn Parisar, E-5, Arera Colony, Bhopal-462016
3. Division, Monitoring Cell, MoEF, New Delhi- 110 003
4. The Regional Officer, MOEF, Bhopal
5. The Collector, Distt-Dhar -(M.P.)
6. Guard file.

Sd/-

**(Ashok Shah)**  
Member Secretary, SEIAA