



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY**
Paryavaran Bhavan
Sector-10 A, Gandhinagar-382 010, GUJARAT
Phone : (079) 232-32152
Fax : (079) 232-22784
E-mail : seiaaguj@yahoo.com
www.seiaa.gujarat.gov.in

No. SEIAA/GUJ/EC/3(b)/

/2008

Date:

Time Limit

To,
M/s. Silicon Cement Pvt Ltd.,
Block No. 81, Plot No 6B-1/2,
GIDC Karanj, Tal Mandvi,
Dist Surat- 394 110.

Sub: Environment Clearance for cement manufacturing unit at Block No. 81, Plot No 6B-1/2, GIDC Karanj, Tal. Mandvi, Dist Surat by M/s. Silicon Cement Pvt Ltd.,..... in Category 3 (b) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir,

This has reference to your application made along with Application Form 1, EIA/ EMP and feasibility report and submitted to SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

It is noted that the proposal is for Environmental Clearance for manufacturing the **Cement - 45 Mt / day** production < 1.0 MT/ Annum production capacity by M/s. Silicon Cement Pvt. Ltd., Block No. 81, Plot No 6B-1/2, GIDC Karanj, Tal. Mandvi, Dist Surat. The unit is located in notified GIDC area. Total land acquired is **2516.5 sq. m.** Expansion will be within existing land. Total cost of the project **Rs. 60 Lacs.** Details of the product proposed are as under:

Sr no	Product	Quantity MT/Day
1	Ordinary Portland Cement [OPC] & Pozzolona Portland Cement [PPC]	45

The project activity is covered in 3 (b) and is of 'B' Category. Since the proposed project is in notified GIDC area, it does not need Public Consultation as per Para 7(i) III. Stage (3) (b) – Public Consultation of EIA Notification, 2006.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment

Clearance to this project for the above-mentioned products. The proposal was considered by SEIAA, Gujarat in its meeting held on 30.08.2008 at Gandhinagar. Since the EIA/ EMP Report was found to be adequate and complete and the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following Specific and General conditions.:

A. SPECIFIC CONDITIONS:

A.1 WATER:

1. Water consumption shall not exceed 850 liters per day.
2. There shall be no generation of waste water from the manufacturing process. Domestic waste water 300 liters/day shall be discharged into septic tank/ soak pit system.

A.2 AIR:

3. As per the guidelines of CPCB for cement plant (considering only grinding part of the guidelines) following minimum Air Pollution Control Measures (APCM) should be provided.

Sr no	Section	Type of APCM
1	Clinker Crusher and Discharge tube /Feeder Hopper	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
2	Cement Mill and discharge tube	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
3	Cement Blending Silo / Packing house	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).

4. All transfer points shall be fully enclosed.
5. Accumulated dust on the ground and other surfaces shall be removed / swept regularly.
6. Water sprinkling shall be provided to mitigate the dust emission.
7. Gaseous emission at workplaces shall be controlled and kept below the limits prescribed by the Factories Act and Rules. Their records shall be maintained.
8. The gaseous emissions and particulate matter from various process units shall conform to the standards prescribed by GPCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the prescribed standards.

A.3 SOLID WASTE:

9. Used oil / waste oil shall be sold to only to the registered recyclers.

A.4 SAFETY:

10. Proper ventilation shall be provided in the work area.
11. Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.
12. First Aid Box shall be made readily available in the unit.
13. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.

A.5 NOISE:

14. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

A.6 WASTE MINIMISATION:

15. The company shall undertake following waste minimization measures:
 - a) Metering and control of quantities of active ingredients to minimize waste.
 - b) Reuse of by-products from the process as raw materials or raw materials substitutes in other processes.
 - c) Use of automated and close filling to minimize spillages.
 - d) Use of close feed system.

A.7 GREEN BELT AND OTHER PLANTATION:

16. Company shall develop green belt within premises as per the CPCB guidelines. However if sufficient land is not available within the premises, unit shall tie up with local agencies like gram panchayat, schools, social forestry office etc. for necessary plantation at available open land in nearby area and submit an action plan for plantation for the next three years to GPCB.

B. GENERAL CONDITIONS:

17. It has been learnt that the unit is under closure from Gujarat Pollution Control Board (GPCB). The GPCB shall withdraw the closure only after ensuring installation of bag filter to the satisfaction of the visiting officer of GPCB and that CTE will be granted to unit only after installation of bag filter.
18. The applicant would go in for annual maintenance contract in order to ensure that there are

no leakages/ breakages/ puncturing in the Bag Filter.

19. The applicant shall set up an Environment Management Cell during construction phase as well as during operation phase comprising of persons with qualification of Environmental Engineer/ Environmental Scientist and experience in field of Environment.
20. The applicant shall get third party verification of APCM done during installation and operation subsequently. The monitoring shall be done by the third party every three months.
21. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
22. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
23. The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
24. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
25. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
26. The applicant shall inform the public that the project has been accorded Environmental Clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
27. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior Environmental Clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
28. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
29. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date

of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

30. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
31. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
32. This Environmental Clearance is valid for five years from the date of issue.

With regards,
Yours sincerely,

(SANJIV TYAGI)
Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat

Copy to:-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
2. The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
3. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
5. Select File.