



SANJIV TYAGI
MEMBER SECRETARY
SEIAA, GUJARAT

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY
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No. SEIAA/GUJ/EC/3(b)/ /2008

Date:

Time Limit

To,
Shree Sadguru Cement,
Dhruvnagar, Village: Rajavad,
Morbi-Rajkot Road, Ta. Tankara,
District: Rajkot.

Sub: Environment Clearance for cement manufacturing unit at Dhruvangar, Village:Rajavad, Morbi-Rajkot Road, Ta.Tankara, District:Rajkot by M/s. Shree Sadguru Cement 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, Gujarat seeking environmental clearance under Environment Impact Assessment Notification, 2006.

It is noted that the proposal is for environmental clearance for manufacturing Cement (vertical Shaft Kiln - VSK Technology) by Shree Sadguru Cement, Dhruvangar, Village:Rajavad, Morbi-Rajkot Road, Ta.Tankara, District:Rajkot. Total cost of the project is **51.00** Lakhs and Rs.**11.00** Lakhs are earmarked for Environment Management System. The unit has submitted the proposal for environmental clearance for various trade activities together with type of APCM proposed which are as follows:

Sr. No.	Section / Source	Type of APCM Proposed
1	Crushing and Raw Materials Proportioning	Bag filter
2	Raw Mill	Twin cyclone and Bag filter
3	Homogenising Silo	Bag filter
4	Noduliser	Bag filter
5	Vertical Shaft Kiln	Cyclone
6	Clinker Crusher and Discharge tube	Bag filter
7	Cement Mill	Bag filter
8	Packing house	Bag filter

The project activity is covered in 3 (b) and is of 'B' Category. Since the proposed project is in notified industrial 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 production of Cement - 40 MT/day (Vertical Shaft Kiln - VSK Technology based). The proposal was considered by SEIAA, Gujarat in its meeting held on 11.01.2008 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 for the project shall not exceed 2000 liter per day from borewell.
2. There shall not be any industrial wastewater discharge from the unit.
3. Domestic wastewater should be discharged as per GPCB norms.

A.2 AIR:

4. As per the guidelines of CPCB for VSK cement plant following minimum Air Pollution Control Measures (APCM) should be provided.:-

Sr. No.	Section	Type of APCM
1	Crushing and Raw Materials Proportioning	Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).
2	Raw Mill	Twin cyclone and Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).
3	Homogenising Silo	Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).
4	Noduliser	Bag filter (with proper metallic casing, stack height & stack monitoring requirement facility).

5	Vertical Shaft Kiln	Cyclone (with proper stack height and stack monitoring requirement facility).
Sr. No.	Section	Type of APCM
6	Clinker Crusher and Discharge tube	Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).
7	Cement Mill	Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).
8	Packing house	Bag filter (with proper metallic casing, stack height and stack monitoring requirement facility).

The above air pollution control devices are indicative in nature. Cement Plant may explore the possibilities of other better devices as well. The important thing which is to be kept in mind is that in all the cases the plant has to meet the prescribed emission standards of Gujarat Pollution Control Board.

5. Ambient air quality levels shall not exceed the standards stipulated by Gujarat Pollution Control Board.
6. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (eg. Directors of Industrial Safety & Health). Following indicative guidelines shall be followed to reduce the fugitive emission: -
 - a) Enclosure shall be provided at all loading and unloading operations.
 - b) Water shall be sprayed on all raw materials stock pile periodically to retain some moisture in top layer except wet gypsum to reduce the fugitive emission.
 - c) All transfer points shall be fully enclosed.
 - d) Accumulated dust on the ground and other surfaces shall be removed / swept regularly and the area would be watered after sweeping.
 - e) Internal road shall be either paved properly to reduce the fugitive emission during vehicular movement.
 - f) Air borne dust shall be controlled with water sprinklers at suitable interval in the plant.
 - g) Possibility of transportation of clinker by railway shall be explored and report shall be submitted within 6 months from the date of issue of this letter to the Ministry's Regional Office at Bangalore under intimation to this office. For transportation of clinker by road only covered tankers shall be used.
 - h) The project authorities shall obtain lime and clay from the authorized miner/parties.
 - i) The project authorities shall the transport the raw materials and cement in covered system to avoid fugitive emission during transport. The fugitive emissions during loading and unloading shall also be suitably controlled.

7. The Stack emissions from various sources shall not exceed 150 mg/Nm³.

A.3 SOLID WASTE:

8. Used oil / waste oil shall be sold only to the registered recycler.

A.4 SAFETY:

9. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.

10. First Aid Box shall be made readily available in the unit.

11. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.

A.5 NOISE:

12. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation, hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act & Rules, 1986.

13. Noise levels for workers shall be as per the Factories Act & Rules.

A.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

14. The company shall undertake following various waste minimization measures including :

- Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- Use of "Closed pneumatic" system for transport of material.
- All venting systems shall be connected with dust arresting equipments.
- Dust collected in pollution control equipments shall be reused.

A.7 GREEN BELT AND OTHER PLANTATION:

15. Unit shall develop green belt having 7.5m width all along factory periphery consisting of at least three rows of trees of local species. The number of trees in the green belt should be as per guidelines of CPCB

B. General Conditions:

16. All the recommendations made in the EIA / EMP report of the project and the undertaking submitted by the project proponent shall be implemented.

17. Unit must harvest the rainwater from roof tops and storm water drains to recharge the ground water.

18. The project proponent shall also comply with any additional condition that may be imposed by the SEAC, SEIAA, GPCB or any other competent authority for the purpose of the environmental protection and management.
19. 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.
20. The gaseous emissions (SO₂, NO_x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time.
21. Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/ Central Pollution Control Board.
22. This environmental clearance is valid for five years from the date of issue.
23. 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.
24. The project authorities shall adhere to the stipulations made by the Gujarat Pollution Control Board.
25. 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.
26. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP report.
27. A separate Environmental Management Cell equipped with laboratory facilities, if required, shall be set up to carry out the Environmental Management and Monitoring functions.
28. The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
29. The project proponent 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, 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 concerned Regional Office of the Ministry.

30. 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.
31. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
32. The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.
33. 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.

With regards,
Yours sincerely,

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

Copy to:-

1. The Secretary, Department of Environment of 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 Chairman, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010,
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Select File.