



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,
M/s. Natraj Cement Industries,
Plot No. 13, Survey No. 52/P,
Village: Hadamtala,
Ta: Kotda Sangani,
District: Rajkot.

Sub: Environment Clearance for cement manufacturing unit at Plot No. 13, Survey No. 52/P, Village: Hadamtala Ta: Kotda Sangani, District: Rajkot by M/s. Natraj Cement Industries.,..... 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 Rapid Environment Impact Assessment Report submitted to SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for manufacturing the Cement for the production of 50 Mt / day (Vertical Shaft Kiln-VSK technology based) by M/s. Natraj Cement Industries, Plot No. 13, Survey No. 52/P, Village: Hadamtala Ta: Kotda Sangani, District: Rajkot. Total cost of the project would be Rs. 154 Lacs. The applicant has proposed to install the air pollution control measures to control the air pollution likely to be generated from various trade activities as per the details furnished below :

Sr. No.	Section / Source	Type of APCM Proposed
1	Raw Mill	Bag filter
2	Cement Mill	Bag filter
3	Vertical Shaft Kiln	Wet Scrubber
4	Material Handling	Close Conveyor
5	Bagging	Close Automatic Machine

The project activity is covered in 3 (b) and is of 'B2' Category. Since the proposed project has been categorized as B2, it does not need Public Consultation as per Para 7(i) III. Stage (3) (e) – 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 22.09.2008 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 2600 liter per day from bore well. A water meter shall be provided for the measurement of the consumption of the water and its logbook shall be maintained.
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, adequate stack height and stack monitoring requirement facility).
2	Raw Mill	Twin cyclone and Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
3	Homogenising Silo	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
4	Noduliser	Bag filter (with proper metallic casing, adequate stack height & stack monitoring requirement facility).
5	Vertical Shaft Kiln	Cyclone (with adequate stack height and stack monitoring requirement facility).
6	Clinker Crusher and Discharge tube	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
7	Cement Mill	Bag filter (with proper metallic casing, adequate stack height and stack monitoring requirement facility).
8	Packing house	Bag filter (with proper metallic casing, adequate 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 latest devices also to achieve the better results & better compliance of the air pollution control norms prescribed by the Gujarat Pollution Control Board (GPCB).

5. The applicant shall carry out third party monitoring with respect to the design, and efficacy of the proposed air pollution control equipments through the credible institute like NPC, LDCE and other institutes of such repute.
6. Adequate stack height as per GPCB norms shall be provided to the D.G. Set.
7. The fugitive emission in the work zone environment and ambient air quality shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including Director of Industrial Hygiene and Safety as well as Gujarat Pollution Control Board from time to time. 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 water the area 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.

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:
 - 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 enclosed filling to minimize spillage.
 - d) Venting equipment through vapour recovery system.
 - e) Use of close feed system into batch reactors.

A.7 GREEN BELT AND OTHER PLANTATION:

15. Unit shall develop green belt having 6.0m width all along factory periphery consisting of at least three rows of trees of local species.

B. GENERAL CONDITIONS:

17. The applicant shall participate financially for any common study or project that may be initiated by SEAC / SEIAA / GPCB for environment protection / management in this region.
18. Lime stone and other minerals shall be obtained from the mines which shall have consent of the GPCB.
19. All the recommendations made in the EIA / EMP report of the project and the undertaking submitted by the project proponent shall be implemented.
20. Unit must harvest the rainwater from roof tops and storm water drains to recharge the ground water.
21. Any condition imposed due to the appraisal/outcome of the cluster based environment impact assessment study for the similar industries in the area of Hadmatala which is under progress will be binding to the project proponent.
22. The applicant shall install a standby blower to take care of any break down in Bag Filter.
23. The applicant would go for annual maintenance contract in order to ensure that there are no leakages/ breakages/ puncturing in the Bag Filter.
24. The applicant shall provide and comply with the above prior to obtaining CCA from GPCB.
25. 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 with some experience in field of Environment.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.

33. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
34. 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.
35. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
36. 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.
37. 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. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.