



**SANJIV TYAGI**  
**MEMBER SECRETARY**  
**SEIAA, GUJARAT**

**STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY**  
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**No. SEIAA/GUJ/EC/ 1 (b) / 2008**

**Date:**

**Time Limit**

**To,**  
**M/s. Chotila Silica Private Limited,**  
**Survey No. 83/P,**  
**Village: Vavdi,**  
**Taluka: Chotila,**  
**Dist. : Surendranagar.**

**Sub: Environment Clearance for Silica Sand Mine in the existing unit at Survey No. 83/P, Village: Vavdi, Taluka: Chotila, Dist. : Surendranagar by M/s. Chotila Silica Private Limited..... in Category 1(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 MoEF, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006. Later, SEAC had received this application from the Ministry of Environment & Forest, Government of India, after formation of the State Level Environment Impact Assessment Authority (SEIAA), Gujarat and the State Level Expert Appraisal Committee (SEAC), Gujarat.

It is noted that the proposal is for Environmental Clearance for the existing silica mine by M/s. Chotila Silica Private Limited, Survey No. 83/P, Village: Vavdi, Taluka: Chotila, Dist. : Surendranagar. The unit is a mining project of Silica Sand having mining lease area of 18.46.37 hectares. The proposed expansion will be within the existing land. The total cost of the project would be Rs. 24,93,150.

The project activity is covered in 1 (b) and is of 'B' Category. The public hearing is carried out on 29.02.2008 at the Jalaram Hall, Shastrinagar Society, Chotilla, Dist.Surendranagar.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned products. The Public Hearing has been conducted on 29.02.2008 and the proposal was considered by SEIAA, Gujarat in its meeting held on 27.06.2008 at Gandhinagar. The SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following Specific and General conditions.:

**A. SPECIFIC CONDITIONS:**

**A.1 WATER:**

1. No ground water shall be used for the project.
2. The water required for the domestic purpose, dust suppression, green belt development shall be obtained from the nearby rainwater harvesting pits i.e. surface water sources or through any other surface sources

duly identified in consultation with the GPCB.

3. Drinking water for the workers shall be treated adequately to meet the prescribed standards.
4. There shall not be any industrial wastewater discharge from the unit.

#### **A.2 AIR:**

5. Air Pollution Control Measures (APCM) as stated in the Environment Management Plan / EIA shall be operated efficiently to meet the GPCB norms at its outlet.
6. Interlocking facility of the Air Pollution Control Equipment and the equipment(s) of grinding unit to which it is attached should be provided in such a manner that in the event of pollution control equipment not working, the respective unit(s) is shut down automatically.
7. Drills shall either be operated with dust extractors or equipped with water injection system.
8. Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced with all necessary care. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
9. Ambient air quality monitoring through a third party shall be carried out in the downward direction as well as at a point where maximum ground level concentration is anticipated. Data on ambient air quality monitoring shall be regularly submitted to the GPCB and SEIAA once in six month.
10. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
11. The fugitive emission in the work zone environment and ambient air shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including Director of Mines and Geology 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 reject materials / product materials stock pile periodically to retain some moisture in top layer to reduce the fugitive emission.
  - c) All transfer points shall be fully enclosed.
  - d) Internal road shall be either paved properly to reduce the fugitive emission during vehicular movement or sprinkled with water regularly.
  - e) Air borne dust shall be controlled with water sprinklers at suitable interval in the plant.

#### **A.3 SOLID WASTE:**

12. Used oil / waste oil shall be sold only to the registered recycler.
13. The solid waste collected in the different Air Pollution Control Measures and other collection system shall be reutilized in the plant itself.

#### **A.4 SAFETY:**

14. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
15. First Aid Box shall be made readily available at the site.
16. Occupational health surveillance of the workers shall be done by the doctor who is expert in occupational health and hygiene and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per mining Act & Rules.

17. Information regarding Silicosis and its preventive measures shall be displayed at site in vernacular language for the benefit of the workers.
18. Anti-vibration devices shall be provided to the vibrating tools and equipments to be used by workers during mining and its usage shall be ensured. Safe limit of vibration impact shall be maintained.

#### **A.5 NOISE:**

19. 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 sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act & Rules, 1986.
20. Noise levels for workers shall be as per the Mine Act & Rules.

#### **A.6 CLEANER PRODUCTION AND WASTE MINIMISATION:**

21. The company shall strive to adopt zero waste mining concept by reducing the quantum of reject through technological innovation or finding the use of fines through perspective buyers.

#### **A.7 GREEN BELT AND OTHER PLANTATION:**

22. Unit shall develop green belt as shown in the conceptual mine closure plan with native species and strictly as per time schedule.

#### **B. GENERAL CONDITIONS:**

23. The applicant shall comply with relevant guidelines on Mining/ Quarry issued by CPCB.
24. The applicant shall appoint reputed expert agency for monitoring of Noise Pollution, Air Pollution and health aspects separately, which shall monitor the above aspects, regularly.
25. 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.
26. The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to GPCB within three months of receipt of this letter.
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 company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same shall be used for the various activities of the projects to conserve fresh water.
29. 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.
30. 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.
31. 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.
  32. 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.
  33. 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.
  34. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
  35. 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.
  36. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
  37. 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.
  38. 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. Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382 010.
6. Select File.