



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
Website : www.seiaa.gujarat.gov.in

No. SEIAA/GUJ/EC/1(b)/ /2008

Date:

Time Limit

To,
M/s. GHCL Limited,
(Block-A), Village: Meghpur,
Taluka: Veraval, District: Junagadh.

Sub: Environment Clearance for Meghpur lime stone mine at (Block-A), Village: Meghpur, Taluka: Veraval, District: Junagadh by M/s. GHCL 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. The Ministry of Environment & Forest issued Terms of Reference to the project proponent. Thereafter, the SEAC had received minutes of Public Hearing alongwith REIA from Project Proponent.

It is noted that the proposal is for Environmental Clearance for Meghpur lime stone mine by M/s. GHCL Limited, (Block-A), Village: Meghpur, Taluka: Veraval, District: Junagadh.

The proposal is for the existing limestone mine and the proposed rate of production of chemical grade lime is 25000 Metric Ton Per Annum and cement grade lime is 14000 Metric Ton Per Annum. The project proponent has applied for the renewal of the lease. The mineable reserve for chemical grade lime is 3,00,739 Mt and for cement grade lime is 2,18,595 Mt. and the life of the mine is 13 Years. There is no settlement in the mining area. There is no overburden in the lease area and mineral is outcropping on the surface. Only top soil of 5 cm thickness is observed in the mine area which will be used in the greenbelt development. Proposed maximum working depth of the mine is 06 meter below ground level. The groundwater is at 10 m below ground level (in the monsoon) hence it will not intersect during mining. The method of mining is opencast with blasting. There is no National Park, Sanctuary, Reserve forest in the core zone as well as buffer zone of the mine lease area. No endangered or endemic species are found in the buffer zone of the project. The reject / undersized material will be stacked initially at the site which ultimately will be used as the cement grade limestone (sweetener) hence there will not be any reject.

The project activity is covered in 1 (b) and is of 'B' Category. The public Hearing is carried out on 28.09.2007 at 10.30 hrs. at D.M.Barad High School, Village : Ajotha, Ta : Veraval, Dist : Junagadh.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned limestone mine. The public hearing has been conducted on 28.9.07 and the proposal was considered by SEIAA, Gujarat in its meeting held on 30.08.2008 at Gandhinagar. 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. 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 for grinding unit shall be operated efficiently to meet the GPCB norms at its outlet.
6. Drills shall either be operated with dust extractors or equipped with water injection system.
7. 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.
8. 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. Such data on ambient air quality monitoring shall be regularly submitted to the GPCB and SEIAA once in six month.
9. 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.
10. 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:

11. Used oil / waste oil shall be sold only to the registered recycler.
12. 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:

13. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
14. First Aid Box shall be made readily available at the site.
15. 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.
16. Information regarding occupational mine diseases caused due to air pollution and its preventive measures shall be displayed at site in vernacular language for the benefit of the workers.
17. 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 HEALTH:

18. Periodical Medical checking in the industrial units shall be done through reputed Medical Institutes/ Civil Hospitals/ ESIS/NIOH or Institutes designated by NIOH. The periodicity of such medical check up must be decided in Consultation with GPCB.

A.6 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.7 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.8 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 cement grade limestone shall be separately mined in the larger interest of resource utilization, conservation of non-renewable mineral, systematic and scientific mining on getting permission to sell from Government of Gujarat. No cement grade lime shall be mined while mining chemical grade mine.
24. The private land which is within the mining lease area shall remain undisturbed. The access road to private owner shall not be disturbed and shall be maintained well. If any change is required to be done, alternative access route shall be created first with mutual understanding and consent of the private land owner(s).
25. The mining operation shall be restricted to above ground water table and it should not intersect ground table. In case of working below ground water table, prior approval of the SEIAA shall be obtained for which a detailed hydro-geological study shall be carried out.
26. Top soil, if any, should be stacked with proper slope at earmarked sites(s) only and shall be utilized for the green belt development.
27. The project proponent shall ensure that no natural watercourse / river shall be obstructed due to any mining operations.
28. Catch drains, Garland drains shall be constructed around the excavated mine, mineral dumps, reject dumps to prevent run off of water and flow of silt and sediments directly into the water bodies.
29. The void left unfilled in an area shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation shall be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
30. All the issues raised, suggestions and recommendations made and commitments given during the public hearing / consultation process shall be implemented satisfactorily.
31. The project proponent shall earmark specific budget for socio-economic upliftment activities to be carried out as part of their corporate social responsibility. The list of the activities to be carried out for this purpose shall be listed to make it planned activity in consultation with the nearby villages. The fund earmarked for this purpose shall not be diverted for any other purpose.
32. The six monthly compliance reports on the conditions stipulated hereinabove shall be submitted to the SEIAA / GPCB and the Regional Office of the Ministry of Environment and Forests, Bhopal, without fail.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.

38. 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.
39. 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.
40. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
41. 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.
42. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
43. 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.
44. 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 & 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.