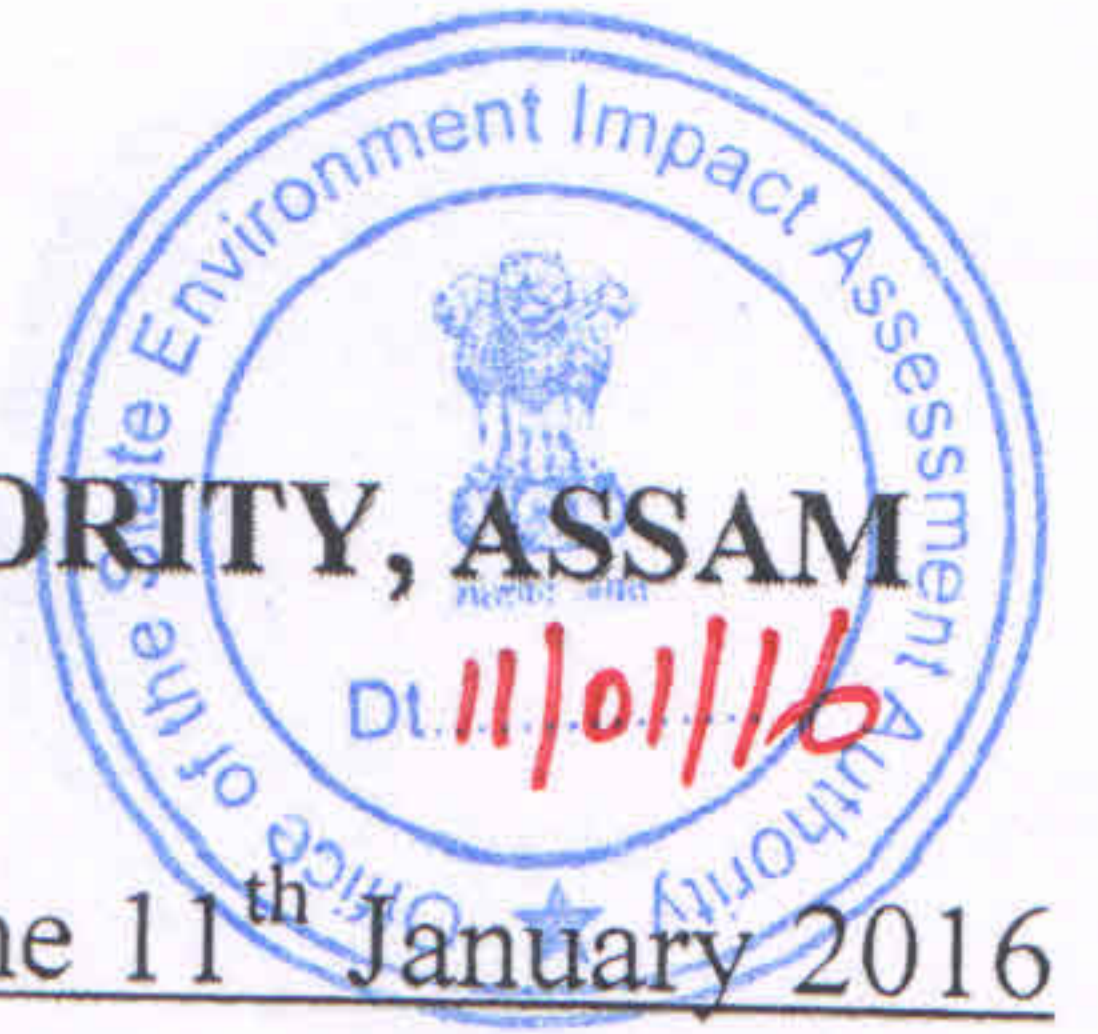




GOVT. OF ASSAM
OFFICE OF THE STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ASSAM
BAMUNIM Aidam, GUWAHATI-21.



No. SEIAA.536/2015/EC/65/366

Dated: Guwahati the 11th January 2016

To,

M/s. Vinay Cement Ltd
3rd & 4th Floor, Anil Plaza-II
ABC, G.S. Road
Guwahati, Assam.

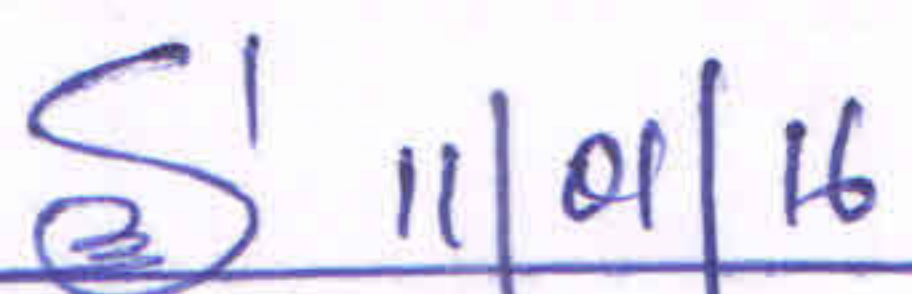
Sub: - Environmental Clearance for Enhancement of Limestone Production from 0.28 to 1.5 MTPA from Jamunanagar Limestone Mine of the mining lease area 35 ha (Non Forest) located near Jamunanagar New Umrangshu Village, Umrangshu Tehsil, Dist: Dima Hasao, Assam by M/s. Vinay Cement Limited.

Reference is invited to your letter No NIL dated 31st August, 2015 along with the application in the prescribed format (Form-I), Pre Feasibility report and other relevant documents for the purpose of seeking environmental clearance under the provisions of the EIA Notification, 2006 in respect of the above mentioned project. Accordingly the Members of the committees (SEIAA & SEAC) agreed upon for issuance of ToR for preparation of EIA & EMP Report of the proposed enhancement of Limestone Production from 0.28 to 1.5 MTPA from Jamunanagar Limestone Mine of the mining lease area 35 ha (Non Forest) located near Jamunanagar New Umrangshu Village on 29th September 2015. Public hearing was conducted on 16th December 2015. Subsequently the final EIA & EMP Report has been forwarded by the PCBA, Assam on 23rd December 2015 alongwith public hearing minutes, signatures of the public participant's and video etc. Further the proposal has been appraised by the project proponent on 2nd January 2016.

The proposal is for enhancement of production of limestone from 0.28 to 1.5 MTPA for their cement plant located at a distance of 2 k.m. The mine lease area is 35 ha. The expansion of the existing mine is required to cater the limestone requirement of the interlinked clinkerisation unit which had been commissioned recently in April 2015. The mining lease area falls between 25°30'53"- 25°31'13" latitude & 92°47'07"- 92°47'25" East Longitude. Limestone reserve is 19.054 MT (13.584 MT +5.470 MT- non-mineable). The mine working will be opencast mechanized. Drilling, blasting, raising, hydraulic excavator & transport to crusher by trucks will be used. The life of mine is 12.7 yrs as proposed. It was stated that mineral transportation will be done by trucks only. Water requirement is estimated as 43 m³/ day which will be obtained from Longalai River/ rain water. Solid waste generation during the scheme period 13,92,815 cu.m. and at the end of the life of mine total amount will be 16,93,218 cu.m. The part of the solid waste will be used for backfilling of the pit & remaining will be dumped. Part of the sub grade limestone will be utilized in manufacturing clinker. Green belt development will be taken up. The annual targeted production capacity of the mine is 1.5 MTPA of limes. Mine will be working in two shifts. The topography of mining lease area is hilly with gentle slope. Elevation above mean sea level is 272 m to 456 m. The ultimate working depth will be 298 mRL. Proposed green belt development & safety zone is proposed to be 2.863 ha. There is no wildlife sanctuary and within 10km radius of the mine site. Nearest forest is Krungming Reserve Forest at a distance of 4.0 km on North West direction. Cost of the project is Rs. 8.0 crores.

The proposal has been examined and processed in accordance with EIA Notification 2006 and its amendment thereof. The Joint meeting of SEIAA & State Level Expert Appraisal Committee (SEAC), Assam has examined the proposal for mining of enhance quantity of Lime stone. Accordingly it has been discussed and scrutinized by the Committees on 02-01-2016 and found that the project falls under 1(a) and considered as B₁ Category of EIA Notification 2006. The Committee recommended the project to the SEIAA, Assam for issuance of an Environmental Clearance.

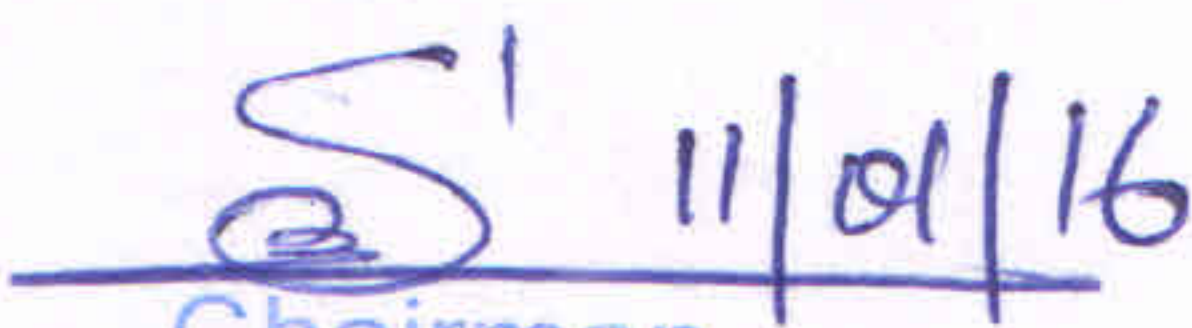
Based on the recommendation of the Committees, the State Environment Impact Assessment Authority, Assam (SEIAA) accords Environmental Clearance to the project as mentioned above under the provision of EIA notification 2006 and its subsequent amendments issued under Environment Protection Act, 1986 subject to compliance of following specific and general conditions.


Chairman

SEIAA, Assam

I. Specific Condition:

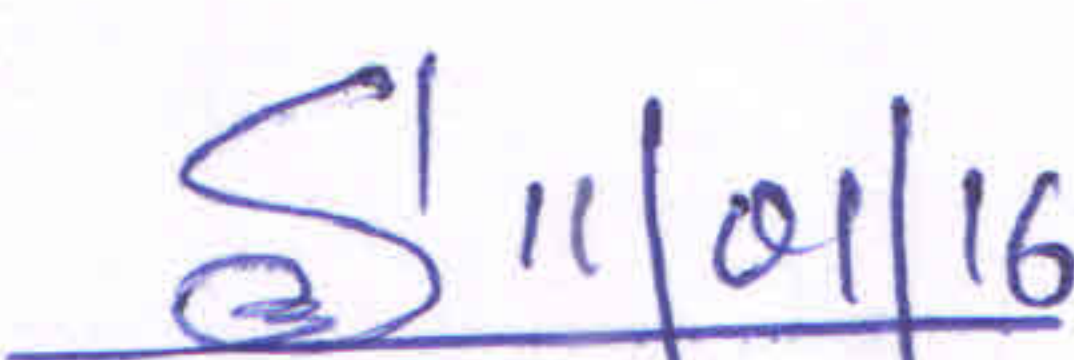
1. Reclamation of mine pit shall be done and demonstrated on the ground in course of time as per approved mine closure plan. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
2. Need based assessment for the near by village shall be conducted to study economic measures which can help in upliftment of poor section of the society. Income generation projects/ tools such as development of fodder farm etc. can form a part of such program. Company shall provide separate budget for community development activities and income generating programs.
3. Action plan for economic upliftment of the people residing nearby the mining area as well as cement plant area shall be formulated & implemented and status of implementation shall be reported to the SEIAA, Assam.
4. Land use pattern of the mine lease area shall be complied as mentioned in final EIA report.
5. Maintenance of roads through which transportation of ores are undertaken shall be carried out by the company regularly at its own expenses.
6. Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to SEIAA, Assam & Regional Office of Ministry within six months and thereafter every year from the next consequent year.
7. Ground water in the core zone shall be regularly monitored for depletion and contamination due to mining activity and mitigation measures shall be undertaken to prevent adverse impacts.
8. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
9. Trenches/ garland drains shall be constructed at foot of dumps and appropriate filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallaha (if any) flowing through the ML area to arrest silts. De-silting at regular intervals shall be carried out.
Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper setting of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
10. Water to be supplied for drinking purpose shall be treated to meet the prescribed standards. Monitoring of water quality for drinking shall be undertaken specially for fluoride & arsenic and records maintained.
11. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a doctor for occupational health & safety. Periodic monitoring shall be conducted for exposure to respirable mineral dust on the workers.
12. Top soil/ solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling for reclamation and rehabilitation of mined out area, if any.
13. Over burden shall be stacked at earmarked dump sites only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of the dump shall not exceed 28°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the SEIAA, Assam.
14. There shall be no external overburden dump outside the mining area.
15. Haul road width shall be minimum 15 mts.
16. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
17. Drilling shall be conducted by using dust extractors/wet drilling. Controlled blasting shall be undertaken.
18. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO. Herbs and shrubs shall also form a part of a forestation


Chairman
SEIAA, Assam

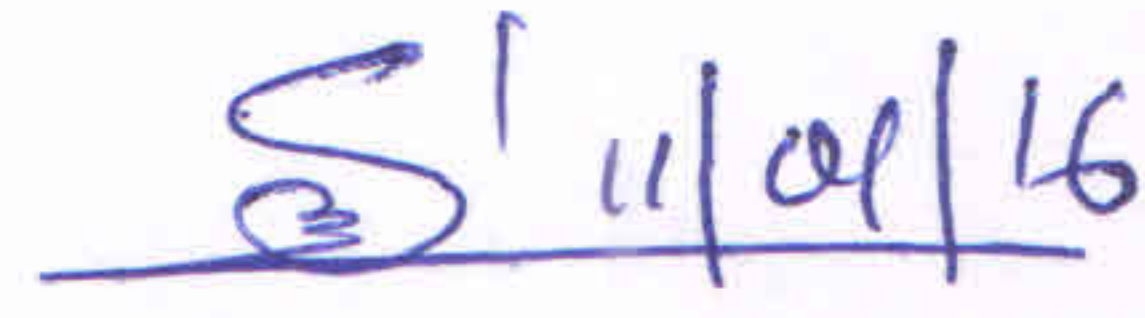
- program besides tree plantation. The density of the trees shall be maintained as per norms. The company shall involve local people with the help of self help group for plantation program if possible.
19. Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometric well during the mining operation. The monitoring shall be carried out four times in a year- pre monsoon, monsoon, post monsoon and winter and the data thus collected shall be regularly sent to SEIAA Assam, Regional office MoEF, Shillong and Central Ground Water Board.
 20. The waste water from the mine shall be treated to conform to the prescribe standards before discharging in to the natural stream. The discharged water from the Tailing Dam (if any) shall be regularly monitored and report submitted to the SEIAA, Assam and the State Pollution Control Board.
 21. Other statutory permission from the competent authority shall be obtained and copy of the same shall be submitted to SEIAA, Assam.
 22. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles/ fine matters escape during the course of transportation. No overloading of ores for transportation shall be committed.
 23. Action plan with respect to suggestion/ improvements and recommendations made during public consultation/ hearing shall be adhered properly by SEIAA, Assam.
 24. A final mine closure plan along with details of Corpus Fund shall be submitted to the SEIAA, Assam 2 (two) yrs in advance of final mine closure for approval.

II. General Condition:

1. No change in mining technology and scope of working shall be made without prior approval of the SEIAA, Assam.
2. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
3. Four ambient air quality- monitoring stations shall be established in the core zone as well as in the buffer zone for PM_{2.5}, PM₁₀, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
4. Data on ambient air quality (PM_{2.5}, PM₁₀, SO₂, NO_x) should be regularly submitted to the SEIAA, Assam & Regional office, MoEF at Shillong and State Pollution Control Board/ Central Pollution Control once in six months.
5. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.
6. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in mining operations etc. shall be provided with ear plugs/ muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
8. STP shall be installed for the colony. ETP shall also be provided for workshop & mineral separation plant waste water.
9. Blasting operation shall be carried out only during daytime.
10. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
11. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
12. The project authorities shall inform to the SEIAA, Assam & Regional office of the Ministry located at Shillong regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
13. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the SEIAA, Assam and its Regional office, MoEF, Shillong.


 Chairman
 SEIAA, Assam

14. The project authorities shall inform to the SEIAA, Assam regarding date of financial closures and final approval of the project.
15. The SEIAA, Assam & the Regional office MoEF at Shillong shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officers of the SEIAA, Assam/ Regional office by furnishing the requisite data/ information/ monitoring reports.
16. A copy of the E.C. issued by SEIAA, Assam shall be displayed by the project proponent in their website as well as respective D.C. office for 30 days.
17. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance.
18. The SEIAA, Assam may alter/ modify the above conditions or stipulate any further condition in the interest of environment protection.
19. Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment Protection Act, 1986.
20. The above conditions will be enforced inter-alia under the provision of water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment Protection Act 1986 and the Public Liability Insurance Act, 1991 along with their amendments & rules.



(Prof. S. K. Borthakur)

Chairman, SEIAA, Assam

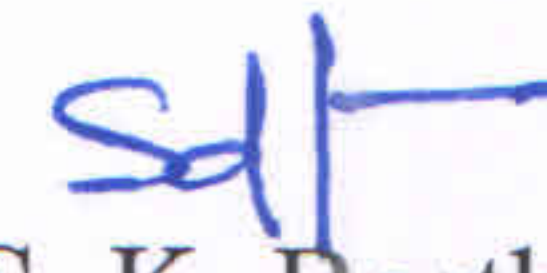
Bamunimaidam, Guwahati-21.

Memo No. SEIAA.536/2015/EC/65-A

Dated: Guwahati the 11th January 2016

Copy to:

1. The Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 Cum Member Secretary, SEIAA, Assam for favour of kind information.
2. The Deputy Commissioner, Dist: Dima Hasao for favour of kind information.
3. The P.C.C.F., HoFF, Govt. of Assam, Rehabari, Guwahati-8 for favour of kind information.
4. The Divisional Forest Officer, Dima Hasao Forest Division, Dist- Dima Hasao, Assam for information & necessary action.
5. The Member Secretary, PCB Assam for information & necessary action.
6. The Regional Office, MoEF, Govt. of india, Low-U-sib, Lumbatngen, Near MTC Workshop, Shillong-21 for information.
7. Office Copy.



(Prof. S. K. Borthakur)

Chairman, SEIAA, Assam

Bamunimaidam, Guwahati-21.