

Government of Maharashtra

No. SEAC-2009/CR.12/TC.2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 8th July, 2010

To,
M/s. Murli Industries Ltd.
Korpana, district- Chandrapur, Maharashtra

Subject: Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana taluka of Chandrapur district. & Pimpri (30.33 Ha) Limestone mines located at Pimpri, taluka- Koprana, Dist- Chandrapur. - Environmental clearance regarding.

Sir,

This has reference to your letter dated 1st June, 2009 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee in its 10th & 17th meetings SEAC in its 17th meeting recommended for prior Environment Clearance to State Level Environment Impact Assessment Authority (SEIAA) subject to submission of additional information on the points raised by SEAC. Subsequent information submitted by you, has also been considered by State Level Environment Impact Assessment Authority in its 22nd meeting held on 14th June, 2010.

2. It is noted that the proposal is for grant of Environmental clearance for Zutting (18.06 Ha), Zutting (25.28 Ha), Zutting (42.16 Ha) Limestone mines located at Korpana taluka of Chandrapur district. & Pimpri (30.33 Ha) Limestone mines located at Pimpri, taluka- Koprana, Dist- Chandrapur. The project considered by SEAC under EIA Notification 2006, screening category is 1 (a).

Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below:

A. Zutting (18.06 Ha) Limestone mines located at Korpana taluka of Chandrapur district.

Name of the Project	Zutting (18.06 Ha) Limestone mines
Project Proponent	M/s. Murli Industries Ltd.
Project	The company has established 3 millions tones per year cement plant; The raw material requirement of the plant is limestone which will be envisaged from nearby limestone mines. Thus, Limestone will be mainly used as raw material for cement plant.
Location of the project:	Korpana, district- Chandrapur, Maharashtra. Latitude : 19 ^o 46'00" Longitude : 79 ^o 03'30"
Type of Project	Mining project
Lease area	18.06 ha
Mineral	Limestone
Extractable geological reserves	Lime stone up to 15 m Depth -81,30,000 tonnes
Proposed to mine	30,00,00 Tonnes



Method	Open cast manual only by forming 3m x 3m benches by manual means, drilling by jack hammers and blasting will be carried out to produce the ore. Mining will be carried out involving digging, scrapping, loading & transportation.
Estimated cost of the project	Rs. 50 Lakhs
Water Requirement:	140 m ³ /day; project will require continuous supply of water, Source: Penganga river.
Green Belt Development	Plantation will be done on 0.0520 Ha. Area.
Solid Waste Management:	<ul style="list-style-type: none"> Waste generated from mining operations will be alluvial soil and murrum which is inorganic in nature and dose not react with air or water hence, no possibility of chemical pollution. Waste material likely to e generated during proposed mine planning period over 1st year : 20880 M³

B. Zutting (25.28 Ha) Limestone mines located at Korpana taluka of Chandrapur district.

Name of the Project	Zutting (25.28 Ha) Limestone mines
Project Proponent	M/s. Murli Industries Ltd.
Project	The company has established 3 millions tones per year cement plant (Environmental clearance was issued by MOEF for this project); The raw material requirement of the plant is limestone which will be envisaged from nearby limestone mines. Thus, Limestone will be mainly used as raw material for cement plant.
Location of the project:	Korpana, district- Chandrapur, Maharashtra. Latitude : 19°47'50" Longitude : 79°03'35"
Type of Project	Mining project
Lease area	25.28 Ha
Mineral	Limestone
Extractable geological reserves	Lime stone upto 10-15 m Depth 14.6 millions tonnes
Proposed to mine	0.6 MMTPA
Method	Open cast semi mechanize method. During first five years of working 3.0 million tonne limestone is proposed.
Estimated cost of the project	Rs. 50 Lakhs
Water Requirement	140 m ³ /day
Green Belt Development	2100 Trees/ha of land will be for plantation. Plantation will be protected from grazing and illicit felling.
Solid Waste Management:	<ul style="list-style-type: none"> Waste material likely to be generated during proposed mine planning period over 5 year: 49375M³ Disposal: Generated waste will be dumped on predetermined non mineralized area.

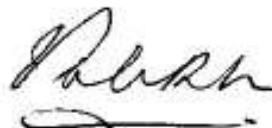


C. Pimpri (30.33 Ha) Limestone mines located at Pimpri, taluka- Koprana, Dist- Chandrapur.

Name of the Project	Pimpri(30.33 Ha) Limestone mines
Project Proponent	M/s. Murli Industries Ltd.
Project	The company has established 3 millions tones per year cement plant (Environmental clearance was issued by MOEF for this project); The raw material requirement of the plant is limestone which will be envisaged from nearby limestone mines. Thus, Limestone will be mainly used as raw material for cement plant.
Location of the project:	Pimpri, Koprana, district- Chandrapur, Maharashtra. Latitude : 19°47'50" Longitude : 79°03'35"
Type of Project	Mining project
Lease area	30.33 Ha
Mineral	Limestone CaO: 48.42-50.64 %
Extractable geological reserves	Lime stone upto 10-15 m Depth 09.75 millions tonnes
Proposed to mine	6,00,000 TPA
Method	Open cast semi mechanized method. Mining will be carried out by double shift involving digging, blasting, scrapping, loading, transportation and crushing.
Estimated cost of the project	Rs. 50 Lakhs
Water Requirement	140 m ³ /day
Green Belt Development	2100 Trees/ha of land will be for plantation. Plantation will be protected from grazing and illicit felling.
Solid Waste Management:	<ul style="list-style-type: none"> Waste generated from mining operations will be alluvial soil and murrum which is inorganic in nature and dose not react with air or water hence, no possibility of chemical pollution Waste material likely to be generated during proposed mine planning period over 5 year: 12,600 M³ Generated waste will be dumped on predetermined non mineralized area

D. Zutting (42.16 Ha) Limestone mines located at Koprana taluka of Chandrapur district.

Name of the Project	: Zutting (42.16 Ha) Limestone mines
Project Proponent	: M/s. Murli Industries Ltd.
Project	: The company has established 3 millions tones per year cement plant (Environmental clearance was issued by MOEF for this project); The raw material requirement of the plant is limestone which will be envisaged from nearby limestone mines. Thus, Limestone will be mainly used as raw material for cement plant.
Location of the project:	: Koprana, district- Chandrapur, Maharashtra. Latitude : 19°48'45" Longitude : 79°02'30"
Type of Project	: Mining project
Lease area	: 42.16 ha
Mineral	: Limestone
Extractable geological	: Lime stone upto 15 m Depth



reserves		22.6 mt
Proposed to mine	:	6,00,00 Tonnes
Method	:	Open cast manual only by forming 3m x 3m benches by manual means, drilling by jack hammers and blasting will be carried out to produce the ore.
Water Requirement	:	140 m ³ /day
Green Belt Development	:	Plantation will be done on 0.90 Ha. Area.
Solid Waste Management:	:	<ul style="list-style-type: none"> • Waste generated from mining operations will be alluvial soil and murrum which is inorganic in nature and dose not react with air or water hence, no possibility of chemical pollution. • Waste material likely to be generated during proposed mine planning period over 1st year : 49375 M³

Mine water: During monsoon there will be accumulation of water in the excavated pits which is proposed to be dewatered into a sump and will be pumped into desilting tanks. This water will be used for sprinkling of water and plantation.

Water conservation measures:

1. Check dam will be constructed around the dump to prevent washing off of loose sediments.
2. Brushwood Check dam
3. Stone Masonry check dams
4. Dry Stone Masonry check dams
5. Loose Boulder check dams

Rain water Harvesting:

1. It is proposed to recharge the 12 hand pumps with recharge pits around the hand pump
2. Garland drain around the mining lease area will arrest the surface runoff and also act as recharging structure.

Air Pollution control measures:

1. Wet drilling of blast holes
2. Haulage roads will be frequently sprinkled with water.
3. Ore will be covered by tarpaulins to prevent spread of dust from it during transportation.
4. Regular maintain ace of vehicles and machineries will be carried out in order to control emission.
5. Green belt development will be taken up all along the haul road and overburden dumps
6. Protective appliances will be provided to all the workers in dusty atmosphere.
7. A good house keeping will be practiced which help in controlling the pollution.

Environmental Management Plan: Capital cost will be Rs. 5.00 Lakhs and recurring cost will be Rs. 7.00 Lakh; Socio – Economic budget: Rs. 20 Lakh

Details of Public Hearing:

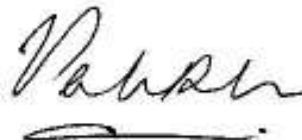
MPCB conducted Public hearing of M/s. Murli Industries Ltd , Village Naranda, Pimpri, Wanoja & Zutting, Tal- Korpana, Dist – Chandrapur for proposed project of cement lime mine & captive power generation of 50 MW on dated 27th April, 2007

Project proponent answered the various questions from local people.

1. Project proponent clarified that full fledge air pollution control system like ESP, Bag house, Bag filter and dust collector will be provided to control dust emission.



2. Project proponent clarified that all environmental, socio-economic norms will be cautiously implemented.
3. The proposal has been considered by SEIAA in its 22nd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-
- (i) Mining activity should not intersect ground water table.
 - (ii) Proponent should follow prevailing mines act and rules as well as other directions given by Director General of mines safety measures
 - (iii) No change in mining technology and scope of work, preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
 - (iv) No additional land in excess of said above shall be used /acquired for any activity of the project without obtaining proper permission.
 - (v) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project
 - (vi) No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
 - (vii) 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.
 - (viii) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
 - (ix) 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.
 - (x) For controlling fugitive natural dust regular sprinkling of water in vulnerable areas of the plant shall be ensured.
 - (xi) Dust fall measurement shall be periodically carried out including particle size analysis in work zone area. Results shall be submitted to the Regional Office of the Ministry and State Govt.
 - (xii) Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training & information on safety and health aspects.
 - (xiii) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
 - (xiv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
 - (xv) First aid room shall be provided in the project. Regular medical checkup for workers and records maintenance shall be carried out.
 - (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
 - (xvii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
 - (xviii) The solid waste shall be properly collected, segregated and disposed as per the provision of solid waste (Management and Handling) Rules, 2000.

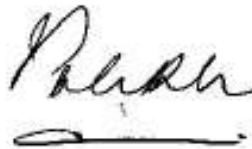


- (xix) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the project area and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (xx) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xxi) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- (xxii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- (xxiii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xxiv) Leq. of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xxv) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xxvi) Land-use pattern of the nearby villages shall be studied and action plan for abatement and compensation for damage to agricultural land/ common property land (if any) in the nearby villages, due to mining activity shall be submitted to the Regional office of the Ministry within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the Govt. of Maharashtra.
- (xxvii) Maintenance of village roads through which transportation of ores are undertaken shall be carried out by the company regularly at its own expenses. The roads shall be black topped.
- (xxviii) Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Govt. of Maharashtra within six months and thereafter every year from the next consequent year.
- (xxix) 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.
- (xxx) Trenches / garland drains shall be constructed at foot of dumps and coco 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 nallahs (if any) flowing through the ML area and silts arrested. 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 (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.



- (xxxix) Prior permission from the competent authority shall be obtained for extraction of ground water, if any
- (xxxii) Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the regional office of the Ministry regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
- (xxxiii) Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable productive use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Govt. of Maharashtra
- (xxxiv) Shelter Belt i.e. Wind Break of 30 m width and consisting of at least 5 tiers around lease facing the school / agricultural fields / human habitation etc. (if any in the vicinity) shall be raised.
- (xxxv) Monitoring of soil samples for assessment of transformation to acidic state or contamination due to mining activity (as applicable) shall be regularly conducted and records maintained.
- (xxxvi) Transportation of ore shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.
- (xxxvii) 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 full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required.
- (xxxviii) Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
- (xxxix) Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. 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 Ministry of Environment & Forests on six monthly basis.
- (xl) Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
- (xli) Adequate plantation shall be raised in the ML area, haul roads, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people with the help of self help group for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Govt. of Maharashtra every year.
- (xlii) Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year. pre-



- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MPCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.
- (xlili) 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. Transportation of ore shall be done only during day time. 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. The trucks transporting ore shall not pass through wild life sanctuary
- (xliv) Action plan with respect to suggestions/improvements and recommendations made during public consultation/hearing shall be submitted to the Ministry and the State Govt. within six months.
- (xlv) A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval
- (xlvi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (xlvii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://cnvis.maharashtra.gov.in>.
- (xlviii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xlix) Six monthly monitoring reports should be submitted to the Department and MPCB.
- (l) The project proponents during their inspection should give officials from the MPCB who would be monitoring the implementation of environmental safeguards full cooperation, facilities and documents/ data. A complete set of all the documents submitted to Department should be forwarded to the MPCB
- (li) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by SEAC & SEIAA.
4. The Environment department reserves the right to add more stringent conditions and revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.
6. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981.



the Environment (Protection) Act, 1986 and rules there under, Hazardous Waste (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.



(Valsa R Nair Singh) :
Secretary Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502 Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerala,
3. The Principal Secretary, Industry department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032., Maharashtra
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Chandrapur
7. Collector, Chandrapur.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director(TC-1), Dy Secretary(TC-2), Scientist-1, Environment department
10. Select file (TC-3).