

J-11015/213/2006- IA. II(M)
 Government of India
 Ministry of Environment & Forests

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Paryavaran Bhavan, C.G.O. Complex,
 Lodi Road, New Delhi-110003.

Dated the May 22, 2007

To

The Director
 M/s Murli Agro Products Limited
 101, Jai Bhawani Society,
 Central Avenue
 Nagpur 440008

Sub: Sangoda Limestone mining project of M/s Murli Agro Products Limited in Tehsil Korpana in district Chandrapur in Maharashtra - reg environmental clearance

Sir,

This has reference to your letter no. MAPL/Sangoda/mines/MoEF/05-06 dated 28th June, 2006 and subsequent communication dated 14.9.2006 on the above mentioned subject. It has been noted that the proposal is for environmental clearance for opening of new mine with 3,00,000 Tonnes per Annum production of limestone.

2. It is noted that the mine is captive to cement plant located at a distance of 7.0km. The mine lease area is 154.70 ha of which 137.67 ha is agricultural land and 16.03 ha is government grazing land. Life of the mine is 22 years. The mining will be restricted to 60.0 ha of area and remaining area will be prospected for 6 year. No national park/wildlife sanctuary/biosphere reserve etc is located within 10km distance of mine lease boundary. The complete area is being developed by MIDC as an industrial zone. However, there will be 40 land oustees, who will be compensated as per the land acquisition Act. MIDC will acquire the land. The Sangoda village is located in the ML area, which will not be shifted. The company will undertake controlled blasting in consultation with the people in the village. Method of mining is opencast and mechanized. Water requirement of 58m³/d will be met from the Pan Ganga river from the mine water. Maximum depth of mining will be 15m. Ground water table depth is 23-25m bgl. Water table will not be intersected due to mining. The mine lease area is adjoining the river. There is 50m wide natural barrier of shale between the ML area and the mine. Ground Water Development Survey Agency has studied the ground water potential of Sangoda watershed. The ground water availability is 25.5783 Mm³/year. Gross ground water draft is 2.34 Mm³/annum. Stage of ground water development is 23.71%. About 5728m³/m of top soil and 9333m³/m of low grade limestone will be generated which will be stacked separately and backfilled in the worked out pit. Backfilling of waste will start after 4.5 years. OB dumps will be stabilized with grass, leguminous species and tall plants. It is noted that Public hearing of the project was held on 12.1.2006. IBM has approved the mining plan on 29.10.2005. Cost of the project is Rs. 4. 0 crores.

3. The project was considered as per the old EIA Notification, 1994 as per Para 2.1.1 (i) of the Interim operational guidelines dated 13th October 2006 issued by the Ministry of Environment and Forests under Para 12 of the EIA Notification, 2006.

4. The Ministry of environment and Forests hereby accords environment clearance to the above-mentioned project under Environment (Protection) Act, 1986 subject to implementation of the following conditions/safeguards:

A. Specific Conditions

- i. Topsoil, should be stacked properly with proper slope at ear marked site (s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.
- ii. External OB dumps and other wastes should be stacked at earmarked sites only and should not be kept active for long period till its use for backfilling. Toe walls around the waste dumps shall be made to ensure and to prevent erosion and surface runoff. The total height of the dumps shall not exceed 30 m, each stage should preferably be of 10 m. Overall slope of the dump shall not exceed 28°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas use of geo textiles shall be undertaken for stabilization of the dumps. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on six monthly basis.
- iii. Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly.
- iv. Garland drain (size, gradient and length) shall be constructed for both mine pit and sump capacity should 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 should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
- v. Plantation shall be raised along the mine lease area including OB dumps which will be reclaimed by green belt / afforestation in consultation with the local DFO / Agriculture Department around mine lease area etc. The density of the trees should be around 2500 plants per ha.
- vi. The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

- vii. Drilling and blasting shall be by dust extractors and wet drilling.
- viii. Ground water table shall not be encountered during mining operations. Mine working will be restricted to above water table. Prior approval of MOEF shall be taken in case mining intersects ground water table.
- ix. Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out two times in a year - pre-monsoon (April-May), post-monsoon (November) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground water Board.
- x. Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures during mining operation for conservation and protection of endangered fauna (Schedule-I), if any, spotted in the project area. Action plans for the same shall be prepared in consultation with wildlife department along with allocation of funds for this purpose and shall be submitted to R.O of the Ministry at Bhopal.
- xi. Permission from the competent authority should be obtained for drawl of ground water if any, required for the project.
- xii. Suitable rainwater harvesting measures on long-term basis shall be planned and implemented in consultation with Regional Director, CGWB.
- xiii. An 50m barrier of shale between the ML area and the river shall be no mining zone. The barrier shall be afforested with plantation to prevent inundation of the area.
- xiv. The company shall engage an doctor, who is trained in occupational health surveillance.
- xv. 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.
- xvi. The study report of socioeconomic profile including the cropping pattern for 38 villages in buffer zone shall be submitted within one year from the date of issue of environmental clearance and submitted to the Ministry of Environment & Forests.
- xvii. At the end of the mine life. The mined out area should be backfilled to the extent possible, leveled and reclaimed by plantations.

- xviii. Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.
- xix. Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mineral separation plant wastewater.
- xx. A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.
- xxi. The company shall pay compensation to the land oustees as per the land Acquisition Act/ or as decided by the State Government.

B. General conditions

- i. No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.
- ii. No change in the calendar plan including excavation, quantum of mineral limestone ore and waste shall be made.
- iii. Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.
- iv. Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, 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.
- v. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
- vi. 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.
- vii. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.

- viii. 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.
- ix. Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.
- x. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- xi. 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.
- xii. The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- xiii. The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.
- xiv. The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- xv. The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- xvi. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- xvii. State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.


xviii. The project authorities should 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 and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.

5. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

6. 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.

7. The above conditions will be enforced inter-alia, under the provisions of the 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 and rules.

Yours faithfully,


(Dr. P. L. Ahujara)
Director

Copy to:

1. Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
2. Secretary, Department of Environment, Government of Maharashtra, Mumbai.
3. Secretary, Department of Mines and Geology, Government of Maharashtra, Mumbai.
4. Secretary, Department of Forests, Government of Maharashtra, Mumbai.
5. Chief Wildlife Warden, Government of Maharashtra, Mumbai.
6. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016.
7. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
8. The Chairman Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floor, Sion Matunga Scheme, Road No.8, Opp. Cine Planet Cinema, Near Sion Circle, Sion(East), Mumbai- 400 022.
9. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
10. Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.

12. District Collector, Chandrapur district, Maharashtra.
13. EI Division, Ministry of Environment & Forests, EI Division, New Delhi.
14. Monitoring File.
15. Guard File.
16. Record File.

(Dr. P.L. Ahujarai)
Director