

F.No.J-11015/234/2005-IA.II (M)  
Government of India  
Ministry of Environment & Forests  
IA-II (M) Division

Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi-110003.

Dated 1st August 2006

To  
Sri Sharad Kumar Bansal,  
Village-Pipritola,  
Tehsil-Raghuraj Nagar,  
District-Satna (M.P.),  
Pin code-485221

**Subject: Environmental Clearance for Pipritola ochre mine, at Pipritola village,  
Tehsil-Rghuraj Nagar, District-Satna (MP)-environmental clearance reg.**

Sir,

This has reference to your letter No. Nil dated 27.06.2005 and subsequent letter dated 29.11.2005 and 01-05-06 on the above-mentioned subject. It has been noted that the proposal is for opening of new mine and ministry has granted site clearance to the project on 16-03-2000. The total land required/mining lease area is 8.00 hectare, which is a forestland. Area proposed for excavation/mining is 2.022 hectare, 0.088 hectare for top soil storage, 0.18 hectare for OB dump, mineral storage will be in pit, 0.01 hectare for infrastructure 0.078 hectare for roads, 0.57 hectare for green belt & 5.052 hectare for others. Forestland is involved. No National park/Sanctuary/Biosphere reserves etc., located within core and buffer zone. Forestry clearance for 8.00ha forestland has been obtained on 19-12-2002 from MOEF and on 05-03-2003 from MP State forest department. The proposed targeted production capacity of mine is 13495 MTPA. Working will be opencast and by semi-mechanized method. Blasting is involved. The ultimate working depth will be 357m to 363.50mRL. Ground Water table is in the range of 340-348mRL in core zone and 335m-340mRL in buffer zone. Working depth of mine will not intersect ground water table. There is no population in the core zone hence displacement of population and R/R is not involved. The total water requirement of the project is 2.2 cu.m/day (Average demand), which will, met from ground water. Permission for drawl of ground water not obtained. No power requirement is envisaged. A total 2, 31,400 cu.m will be generated throughout mine life, which will be 100% backfilled. Backfilling will start from fourth year onward. NOC issued by the Madhya Pradesh SPCB on 28.04.2006 for mining lease area of 8.00 hectare and production capacity of 13495 MTPA. Public hearing is not required as ML area is less than 25 ha. The IBM has approved mining plan on 15-10-2004 for mining lease area of 7.972 hectare (As per mining plan). The capital cost of the project is Rs. 15 lacs.

(2) The Ministry of environment and Forests hereby accords environmental clearance to the above mentioned Pipritola ochre, white clay and laterite mine project of shri sharad kumar Bansal, P.O Jaitwara, District. Satna (M.P) for annual production capacity 13,495 MTPA for involving total ML area 7.972 hectare (As per mining plan) under provision of EIA Notification, 1994 and its subsequent amendments issued under environment (Protection) Act, 1986 subsequent to implementation of the following conditions/safeguards:

**A. SPECIFIC CONDITIONS:**

- (I) Top soil should be stacked properly with proper slope at ear marked site (s). It should be used for reclamation and rehabilitation of mined out area.
- (II) The OB dumps should be stacked at earmarked sites only and should not be kept active for long period. Inactive dumps should be scientifically vegetative with suitable native species to prevent erosion and surface run-off.
- (III) Check dams, garland drains, catch drains, and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from OB and mineral dumps. Plantation should be taken up for soil stabilization along the slopes of the dumps. Sedimentation pits should be constructed at the corner of the garland drains.
- (IV) No OB or loose sediments shall be kept in the working benches/pits particularly during monsoon season.
- (V) A total of 0.570 ha area has been earmarked for green belt development and safety zone. Selection of native plant species and greenbelt/plantation should be developed in the mined out area, roadsides and all along the mine lease boundary in consultation with the local DFO/agriculture department.
- (VI) The reclamation programme for the 2.022ha of mined out area should be implemented untill the end of the life of mine. Land reclamation and backfilling should be concurrently done from the fourth year onward. Plantation of native plant and tree species should be take-up for soil stabilization and reclamation of mined-out area. Monitoring and management of rehabilitated area should continue untill the vegetation becomes self-sustaining. Compliance status should be submitted to the ministry of environment and forest on yearly basis.
- (VII) Drills should be wet operated or fitted with dust extractors.



- (VIII) Controlled blasting should be practiced and only during daytime. The mitigative measures for control of ground vibrations to arrest the fly rocks and boulders should be implemented.
- (IX) Water sprinkling arrangements to control the fugitive dust generation from the haul roads.
- (X) Regular monitoring of groundwater table and quality should be carried-out by existing wells/constructing piezometers at suitable locations in project area. Frequency monitoring should be four times in a year-Pre-monsoon (April/May), monsoon (August), post-monsoon (November), and winter (January) seasons. data generated will be submitted to CGWB office at Bhopal on annual basis. Working depth of mine should not intersect with groundwater table. In case water table intersect, than prior approval for the same shall be taken from MOEF.
- (XI) The active OB generated during the life of the mine shall be back filled and there will be no external OB dumps at the end of the minelife. A plan for back filling of OB shall be prepared and submitted within six months.
- (XII) A study should be conducted on commencement of mining operation to evaluate groundwater recharge based on actual rainfall and other field data and study report should be submitted to CGWB, Bhopal. Permission to drawl of groundwater shall be obtained from CGWB/Deptt. of groundwater MP before starting mining operation.
- (XIII) Existing ecological status of the non- working area shall be conserved and protected. In case, there is any schedule-i fauna in the project area, A conservation plane should be prepared for the endangered fauna and endemic flora if any found in the project area in consultation with the forest department and plan should be submitted to the MOEF regional office Bhopal within three months from date for their approval. Authenticated list of fauna and flora separately fore core and buffer zone shall be submitted within 3 months from the date of environment clearance, to MOEF. Schedule as per the wildlife (protection) Act, 1972.
- (XIV) 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.
- (XV) Consent to operate should be obtained from the State pollution control Board/Environment conservation board before commencing production.

3. GENERAL CONDITIONS:

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including excavation, quantum of mineral iron ore and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the ambient air quality stations and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- (iv) Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the MP State Pollution Control Board / Central Pollution Control Board once in six months.
- (v) Adequate measures for control of Fugitive dust emissions should be taken during drilling and blasting operation, loading, and transportation of mineral etc.
- (vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment.
- (vii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.  
  
Occupational health surveillance program of the workers should be undertaken periodically and take corrective measures taken, if needed.
- (viii) Project authorities should inform to the regional office located at Bhopal regarding date of financial closers and final approval of the project by the concerned authorities and the date of start of land development work.
- (ix) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of environment and forest.
- (x) 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.

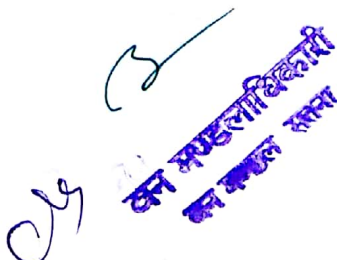


- (xi) A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom and suggestion / representation has been received while processing the proposal.
- (xii) State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
- (xiii) 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 may also be seen at web site of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- (3) The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- (4) 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.
- (5) 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.

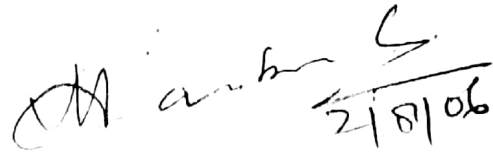
(Harbans Singh)  
Joint Director(s)

Copy to:

1. Secretary, Ministry of Mines, Shastri Bhawan, New Delhi.
2. Secretary, Department of Environment, Government of Madhya Pradesh, Vallabh Bhawan, Bhopal.
3. Secretary, Department of Forests, Government of Madhya Pradesh, Vallabh, Bhawan, Bhopal.
4. Secretary, Department of Mines and Geology, Government of Madhya Pradesh, Bhopal.
5. The Chief Conservator of Forests (C), Ministry of Environment & Forests, Regional Office (WZ)E-3/240, Arera Colony, Bhopal-462016
6. Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.

  
यस माहलाधिकारी  
का मकल सस्य

7. Chairman, Madhya Pradesh State Pollution Control Board, Bhopal, MP.
8. Member Secretary, Central Ground Water Authority, A2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
9. Contoller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.
10. District Collector, District Satna, Govt. of Madhya Pradesh
11. EI Division, Ministry of Environment & Forests, EI Division, New Delhi.
12. Monitoring File.
13. Guard File.
14. Record File.

  
(HARBANS SINGH)  
Joint Director(s)