

By Speed Post**No. J-11015/401/2012-IA.II (M)**

Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Aliganj, Jor Bag Road,
New Delhi-110 003

Dated: 14th May, 2015

To,

M/s Maa Santoshi Khanij Udyog,
OLD PNB Building
Qutubpur, Rewari- 123401
Haryana

Tel. No. 0172 – 225784, 222109;

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Subject: Musnota Calcite Mine with production capacity of 9,000 Tonnes per annum (ROM) by M/s Maa Santoshi Khanij Udyog, located at Village- Musnota, Tehsil- Nangal Chaudhary, District- Mohindergarh, Haryana (8.107ha)-Environmental Clearance regarding.

Sir,

This has reference to your letter no. Nil, dated 16.06.2014 on the proposal of Musnota Calcite Mine with production capacity of 9,000 Tonnes per annum (ROM). The mine is located at located at Village- Musnota, Tehsil- Nangal Chaudhary, District- Mohindergarh, Haryana in the mine lease area of 8.107ha. It has been considered as Category 'A' project because project site attracts General Condition as Inter State Boundary of Rajasthan & Haryana falls 4.3km towards North from the mine site.

2. The Ministry had prescribed TORs on 26.03.2013 and amendments in ToRs were issued on 11.06.2014. The Proponent after conducting Public Hearing submitted EIA/EMP report for seeking environmental clearance. The proposal for environmental clearance was appraised in the 22nd Meeting of the Expert Appraisal Committee held during August 26-27, 2014 wherein the Committee recommended the proposal for environmental clearance. The Committee noted that it is a violation case as mine was operated in 1998 & 2003 without EC by the earlier lessee and 1348.50 tonnes of calcite was extracted and the mining activities were closed since 2003. Accordingly, the Ministry has initiated actions on violation vide letter dated 01.10.2014. The matter was again referred to EAC and the proposal was reconsidered by EAC in its meeting held during March 16-18, 2015 wherein the Committee deliberated the issues and recommended that the EC may be granted to M/s Maa Santoshi Khanij Udyog for Musnota Calcite Mine with production capacity of 9,000 TPA (ROM) and the actions may be initiated against the earlier lessee i.e. M/s Shri **Ashok Kumar for violation of the provisions of the EIA Notification, 1994.**

3. Total mine lease area of 8.107ha. Method of mining is opencast mechanized for Musnota Calcite Mine with production capacity of 9,000 Tonnes per annum

(ROM). Project Proponent reported that blasting will be done in systematic and scientific manner for which about 3,000 kg of explosives will be required per month. Proper safe-guards will be used during mining operations. The water requirement for dust suppression and domestic purpose is estimated to be about 11 KLD. The water will be taken mainly from the existing tube wells from the nearby villages. There will not be any intersection with ground water table.

4. The mine lease area lies between Latitudes 27° 52' 37" to 27° 52' 47" N and Longitudes 75°59'56" to 76°00'18" E and covered in the Survey of India sheet no. 54 A/1. No forest land is involved. Project Proponent has reported that there are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves existing/proposed within 10 km of the mine lease. There are no Schedule-I species recorded in the study area. There is no perennial water body within the leasehold. The nearest perennial water body is river Krishnawati (Kasaunti) about 9 km East from the mining lease. Nearest notified reserve forest Kharjo PF is about 3.4 km south from the lease. Other protected forests are Beneti, 9.8 km towards South-East; Balupur, 8.4 km towards SSE and; Meena Ka Nangal, 6.4 km towards South-East. No rehabilitation and resettlement is involved with the Project.

5. The Project Proponent reported that the mining activities were carried out earlier during 1998 & 2003 and 1348.50 tonnes of calcite was extracted and the mining activities were closed since 2003. As per provisions of the EIA Notification, 1994, EC was required before start of mining operation in 1998. No data was provided for the year 1994-1997 in respect of production of calcite for the mine as the lease was granted to M/s Shri Ashok Kumar (Earlier lessee) on 16.11.1994. The Committee noted that it is a violation case as mine was operated in 1998 & 2003 without EC by the earlier lessee. Ministry has initiated actions on violation vide letter dated 01.10.2014. In this context, Project Proponent vide letter dated 09.12.2014 had made representation and requested that alleged violation will not be applicable to present lessee i.e. M/s Maa Santoshi Khanij Udyog as the violation has been made by the earlier lessee i.e. M/s Shri Ashok Kumar. The matter of violation was examined in the Ministry.

6. This is an old lease granted for Calcite mineral by State Government, Haryana to Shri Ashok Kumar on 16th November, 1994 for 20 years and subsequently transferred to M/s Maa Santoshi Khanij Udyog, Rewari on 3rd February 2009. Initially, the lease area was granted as 40.56ha in village Musnota. As per report of Deputy Commissioner, Mohindergarh vide dated 5.4.2007 to Director, Mines & Geology, Haryana, a part of the mine lease area was covered under Aravali plantation. Therefore, the area 32.453ha was surrendered by the applicant which was accepted by the Haryana Government as conveyed by order of Director, Mines & Geology memo no. Gly/ HY/ E-678/ 6009 dated 6.9.2013. Finally, the granted lease area which is free from the forest is 8.107ha falling in Khasra No. 550 of village Musnota. The Mining Scheme has been approved by Director, Mines & Geology, Haryana, Chandigarh vide memo no. Glg/ HY/ E-678/ 1630 dated 26.03.2014.

7. The baseline data was carried out during March 2013 to May 2013. The Public Hearing for the proposed Project was conducted on 09.01.2014. The Public Hearing was presided by Shri Prabhjot Singh, Additional Deputy Commissioner, Mohindergarh at Narnaul. Project Proponent reported that no litigation is pending in any court against the project. The total cost of the project is Rs. 225 Lakhs. The

Project Proponent has earmarked Rs. 5.62 Lakhs as capital cost and Rs. 16.87 Lakhs as recurring cost towards Environmental protection Measures. Project Proponent informed that Rs. 4.5 Lakhs have been earmarked towards CSR activities for next five years of mining operation.

8. The Ministry of Environment, Forests and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the environmental clearance under the provisions thereof to the above mentioned proposal of **M/s Maa Santoshi Khanij Udyog for Musnota Calcite Mine with production capacity of 9,000 Tonnes per annum (ROM) in the mine Lease area of 8.107ha, located at village- Musnota, Tehsil- Nangal Chaudhary, District- Mohindergarh, Haryana** subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:

A. Specific conditions

- (i) Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if any, as may be applicable to this project.
- (ii) No mining activities will be allowed in forest area, if applicable, for which the Forest Clearance is not available.
- (iii) The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Haryana and effectively implement all the conditions stipulated therein.
- (iv) Implementation of Action Plan on the issues raised during the Public Hearing held on 09.01.2014. The proponent shall complete all the tasks as per the action plan submitted with the budgetary provisions during the public hearing. The report shall be submitted to the Ministry of Environment, Forests and Climate Change and its Regional Office located at Chandigarh on six monthly basis.
- (v) Regular and periodical medical examination of the workers engaged in the project shall be carried out and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The report shall be submitted to the Ministry of Environment, Forests and Climate Change and its Regional Office located at Chandigarh on six monthly basis.
- (vi) The private lands, if any, which are being acquired by Project Proponent, after obtaining the consents from the concerned land owners as per the legal provisions, shall be handed back to the owners after making it suitable for original or better land use. Compensation for such lands will be paid to the land owners as per the agreed terms and conditions prior to mining.
- (vii) The Project Proponent shall adopt Best Mining Practice for the given mining conditions. In the mining area adequate number of check dams, retaining walls/structures, garland drain and settling ponds should be provided to arrest the wash-off with rain water in catchment area.

- (viii) The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.
- (ix) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. Project Proponent must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.
- (x) The Project Proponent shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the Project Proponent as a precaution to compensate for any crop loss. The impact zone shall be 5km from the boundary of mine lease area for such insurance policy.
- (xi) Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The Project Proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.
- (xii) CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial Turn-over, Socio Economic Development of the neighborhood Habitats could be planned and executed by the Project Proponent more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers. The report shall be submitted to the Ministry of Environment, Forests and Climate Change and its Regional Office located at Chandigarh on six monthly basis.
- (xiii) Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of pH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment, Forests and Climate Change and its Regional Office located at Chandigarh on six monthly basis.
- (xiv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.

- (xv) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification, as amended from time to time by the Central Pollution Control Board.
- (xvi) Vehicular emissions shall 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 mineral will be transported by covered conveyor belt to the cement plant which shall be set up based on this deposit. The vehicles carrying the mineral shall not be overloaded.

B. General conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests and Climate Change.
- (ii) No change in the calendar plan including excavation, quantum of mineral and waste should be made.
- (iii) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests and Climate Change 5 years in advance of final mine closure for approval.
- (iv) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.
- (v) Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and constructing new piezometers. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations.
- (vi) The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45°. 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 dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to

the Ministry of Environment, Forests and Climate Change and its Regional Office located at Chandigarh on six monthly basis.

- (vii) Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies 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 shall be constructed at the corners of the garland drains and desilted at regular intervals.
- (viii) Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.
- (ix) Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forests and Climate Change, its Regional Office, Chandigarh, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
- (x) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease 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 may be sent regularly to Ministry of Environment, Forests and Climate Change and its Regional Office, Chandigarh, Central Ground Water Authority and Regional Director, Central Ground Water Board.
- (xi) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forests and Climate Change and its Regional Office, Chandigarh.
- (xii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The

housing may be in the form of temporary structures to be removed after the completion of the project.

- (xiii) The critical parameters such as PM_{10} (size less than 10 micro meter), $PM_{2.5}$ (size less than 2.5 micro meter), NO_x in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.
- (xiv) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (xv) 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 should be installed before discharge of workshop effluents.
- (xvi) 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.
- (xvii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (xviii) 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 and its Regional Office located at Chandigarh.
- (xix) The project authorities should inform to the Regional Office located at Chandigarh regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xx) The Regional Office of this Ministry located at Chandigarh 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.
- (xxi) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forests and Climate Change, its Regional Office, Chandigarh, Central Pollution Control Board and State Pollution Control Board.

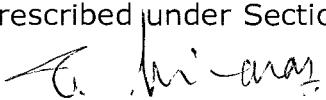
- (xxii) A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- (xxiii) State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
- (xxiv) 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, Forest and Climate Change at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located Chandigarh.

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

10. 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.

11. 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 made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Haryana and any other Court of Law relating to the subject matter.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Dr. U. Sridharan)
Director (S)

Copy to:

- 1). **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- 2). **The Secretary**, Department of Environment, Government of Haryana, Chandigarh.
- 3). **The Secretary**, Department of Forests, Government of Haryana, Chandigarh.
- 4). **The Secretary**, Department of Mines and Geology, Government of Haryana, Chandigarh
- 5). **The Additional Principal Chief Conservator of Forests**, Region Office (Northern Region) Ministry of Environment and Forests, Bays No. 24-25, Dakshin Marg, Sector-31A Chandigarh-160030.

- 6). **The Chairman**, Haryana State Pollution Control Board, Plot No. C-11, Sector-6, Panchkula- 134109, Haryana
- 7). **The Member Secretary**, Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- 8). **The District Collector, Mohindergarh** District, State of Haryana.
- 9). **Guard File.**
- 10). **MoEF &CC website.**


(Dr. U. Sridharan)
Director (S)

