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By Speed Post

No. J-11015/ 33/2011-IA.II(M)
Government of India
Ministry of Environment & Forests

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New Delhi-110003.
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Dated the 20th May, 2011

To

Shri Laxmi Chand Goyal
Behind Govt. Hospital,
Rupbas, Bharatpur – 321 404 (Rajasthan)

Sub: Sand Stone and Khanda (minor mineral) Mine of Shri Laxmi Chand Goyal, Village Chaikora & Kharaga Ka Nagala, Tehsil-Rupbas and District Bharatpur, Rajasthan – Prescribing of TOR - Regarding.

Reference is invited to your letter no. nil dated 2.2.2011 along with the application in the prescribed format (Form-I) and a copy of Mine Plan for prescribing Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining environmental clearance under the provisions of the EIA Notification, 2006 in respect of the above mentioned project.

2. The proposal is for renewal of mine lease for production of 1,00,037 TPA of sand stone and khanda (minor mineral). The mine lease area is 48.70 ha. No forestland is involved. It has been considered as category 'A' project because of inter-state boundary of U.P. and Rajasthan at a distance of 1 km. No National Park / Sanctuary is reported within 10 km of the mine lease. Mine working will be opencast manual. Life of the mine is 41 years. Water requirement is 15 kld, which will be obtained from nearby villages. It was noted that the baseline AAQ data collection has already started which will be continued during the pre-monsoon season. The mine is reported to be closed for the last 7 years.

3. Based on the information contained in the documents submitted and the presentation made before the Expert Appraisal Committee (EAC) for mining projects during its Meeting held on April 25-27, 2011, the following TORs are prescribed:-

- 1) Year-wise production prior to EIA Notification, 2006 coming into force and clearly stating the highest production achieved in any one year prior to 2006. It may also be categorically informed whether there had been any increase in

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- production after the EIA Notification, 2006 coming into force w.r.t. the highest production achieved prior to 2006.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
 - 3) All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
 - 4) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
 - 5) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.
 - 6) Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases and submitted.
 - 7) A confirmation may be adduced, duly authenticated by the competent authority in the State Government to the effect whether the project falls in Aravalli and whether it is covered by the order of the Hon'ble Supreme Court dated 8.4.2005 in the contempt petition (c) 412/2004 in writ petition 202 of 1995 in the matter of Godavarman vs Union of India.
 - 8) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/ Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished.
 - 9) A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
 - 10) Impact of change of land use should be given.
 - 11) R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Government.

- 12) One season (non-monsoon) primary baseline data on ambient air quality (PM₁₀, SO₂ and NO_x), water quality, noise level, soil and flora and fauna shall be collected and the AAQ data so collected presented date-wise in the EIA and EMP report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀ particularly for free silica should be given. The baseline data already collected could be utilized provided it meets the monitoring protocol.
- 13) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 14) The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
- 15) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
- 16) Details of water conservation measures proposed to be adopted in the project should be given.
- 17) Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
- 18) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 19) Details of first order stream, if any passing through lease area and modification/ diversion proposed, if any and the impact of the same on the hydrology should be brought out.
- 20) Details of rainwater harvesting proposed, if any, in the project should be provided.
- 21) Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 22) Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quality, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It

may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).

- 23) The reclamation plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
 - 24) Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered.
 - 25) Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
 - 26) Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
 - 27) Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
 - 28) Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP.
 - 29) Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
 - 30) Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
 - 31) Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided.
 - 32) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
 - 33) The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
4. Besides the above, the below mentioned general points should also be followed:-
- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.

- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.

5. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

6. The prescribed TORs would be valid for a period of two years for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010.

7. After preparing the draft EIA (as per the generic structure prescribed in Appendix-III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.



(Dr. S.K. Aggarwal)
Director

Copy to:-

- (i) The Secretary, Department of Environment, Government of Rajasthan, Secretariat, Jaipur.
- (ii) The Chief Conservator of Forests, Central Region, Ministry of Environment and Forests, B-1/72, Sector-A, Aliganj, Lucknow-226020.
- (iii) The Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur.
- (iv) Guard File.



(Dr. S.K. Aggarwal)
Director