

By Speed Post

No. J-11015/319/2012-IA.II (M)

Government of India

Ministry of Environment and Forests

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New Delhi-110 003
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Dated: 18th March, 2013

To

M/s Wonder Cement Ltd

R.K. Nagar, Tehsil Nimbhera,
Distt. Chittorgarh,
Rajasthan-312601.

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Sub: Expansion of Limestone Mining Lease from 3.75 MTPA to 9.10 MTPA of M/s Wonder Cement Ltd, at Village Bhatkotari, Lasrawan, Phalwa and Rasulpura, District Chittorgarh, Rajasthan (740.93 ha) – Prescribing TOR regarding

This has reference to your letter received in the Ministry on 13.09.2012. The Proposal is to determine the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the Proponent had submitted information in the prescribed format (Form-1) along with a Pre-feasibility Report. The proposal was considered by the Reconstituted Expert Appraisal Committee in its 3rd meeting held during 16th -18th January, 2013.

2. This proposal is for expansion of Limestone Mining Lease from 3.75 MTPA to 9.10 MTPA at Villages-Bhatkotari, Lasrawan, Phalwa and Rasulpura, Tehsil-Nimbahera, District-Chittorgarh in Rajasthan, located between Latitude- 24°39'06" N & 24°40'20" N Longitude - 74°35'15" E & 74°38'o6" E. This is an interlinked project with expansion of Integrated Cement Project - Clinker (2.0 to 6.0 MTPA), Cement (3.25 to 8.0 MTPA), CTPP (40 MW to 80 MW), D.G. Set (2.0 MW to 7.0 MW) & WHRB (2 x 9 MW). No Ecological Sensitive Areas (National Park, Wild Life Sanctuary, Biosphere Reserves etc.) within 10 km radius of the project site. 4 Protected Forest and 4 Reserved Forest falls at a distance of 3.0 to 9.0 km from mine site. WCL is proposing for capacity enhancement of existing limestone mine, cement plant, captive power plant, DG set and setting up of new Waste Heat Recovery Boiler (WHRB). The land measuring 191.064 ha is available for the expansion of the plant. The supply of limestone will be met from its existing captive limestone mine having mining lease area of 740.93 ha. WCL has obtained the environmental clearance for existing integrated cement project: cement production 3.75 MTPA, CPP 2x 40, DG set 1x 2 MW

& limestone production of 3.75 MTPA in mine lease area of 740.93 ha. EC was granted vide MOEF letter no. J-11011/506/2007-IA II (I) dated 11 June 2008 & letter no. J-11011/437/2011-IA II (I) dated 19-6-2012. Amendment in EC regarding change in capacity of CPP (from 38 to 40 MW) & DG (6 to 2 MW) set has been obtained vide MOEF letter no. J-11011/506/2007-IA II (I) dated 4th Jan 2012. To keep pace with the growing demand of cement grade limestone the mining lease area was located by the department of Mines & Geology in Chittorgarh district and investigated during field season 2004-2005 and exploration was continued up to August 2006. The mining lease was granted vide Govt. order No. F5 (76) Khan /Gr.2/07 dated 23.08.08. The lease deed executed on 08.09.08 and registered on 09.09.08 for 30 years i.e, from 09.09.08 to 08.09.38. The lease area forms a part of the survey of India Toposheet No. 45 L/10. The mining plan has been approved by Indian Bureau of Mines, Ajmer, vide letter no 682(23) (755)/10- MCCM (N)-Udai dated 20-7-2011. Mining operations are carried out by fully mechanized opencast method, utilizing Heavy Earth Moving Equipment (HEME) Blasting is carried out to create fragmented material. Overburden & Waste rock will be used for filling low lying area and construction of haulage road. Top soil will be stacked at non-mineralized area and will be utilized in green belt development. Total water requirement after proposed expansion of the project will be 112 KLD. Out of which 72 KLD water will be recycled and fresh water requirement for the project will be 40 KLD only. Fresh water will be used for drinking purpose. Total cost of the Project is Rs 10.36 Crores.

3. Based on the information furnished, presentation made and discussions held, the Committee prescribed the TORs for undertaking detailed EIA study which are as follows:

- 1) Year-wise production details since 1994 onwards should be given clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification, 1994 coming into force w.r.t. the highest production achieved prior to 1994.
- 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) All corner coordinates of the mine lease area superimposed on High Resolution
- 5) Imagery/toposheet should be provided.
- 6) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- 7) Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- 8) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.

- 9) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
- 10) Issues relating to mine safety based on subsidence study should be detailed. The proposed safeguard measure in this regard should also be provided.
- 11) 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.
- 12) 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.
- 13) Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted.
- 14) Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
- 15) High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
- 16) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 17) Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
- 18) Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 19) Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
- 20) The vegetation in the RF / PF area with necessary details should be given.
- 21) A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population and details furnished.
- 22) 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.
- 23) 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.
- 24) 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 primary 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.
 - 25) Impact, if any, of change of land use should be given.
 - 26) 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.
 - 27) 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 such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction.
 - 28) The mineralogical composition of PM10 particularly for free silica should be given.
 - 29) 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.
 - 30) 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.
 - 31) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
 - 32) Details of water conservation measures proposed to be adopted in the project should be given.
 - 33) 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.
 - 34) 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.
- 35) Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
 - 36) Details of rainwater harvesting proposed, if any, in the project should be provided.
 - 37) 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.
 - 38) Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, 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).
 - 39) The reclamation plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
 - 40) Impact on local transport infrastructure due to the project should be indicated.
 - 41) 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.
 - 42) Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
 - 43) 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.
 - 44) 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.
 - 45) Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of preplacement medical examination and periodical medical examination schedules should be incorporated in the EMP.
 - 46) Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
 - 47) 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.

- 48) 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.
- 49) 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 and also incorporated in the final EIA/EMP Report of the Project.
- 50) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
- 51) The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

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.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of MoEF with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH process again with the revised documentation.

4. 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.

5. 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.

6. 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. Saroj)
Director

Copy to:

- 1). The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi
- 2). The Department of Mines & Geology, Government of Rajasthan, Secretariat, Jaipur
- 3). The Secretary, Department of Environment, Government of Rajasthan, Secretariat, Jaipur
- 4). The Chief Conservator of Forests, Central Region, Ministry of Environment and Forests, B-1/72, Sector-A, Aliganj, Lucknow-226020.
- 5). The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum Office complex, East Arjun Nagar, New Delhi-1100032
- 6). The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- 7). The Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur.
- 8). The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur - 440 001
- 9). The District Collector, District Chittorgarh, Rajasthan.
- 10). Guard File

(Dr. Saroj)
Director