

DETAILS OF THE LINKED END-USE PROJECT

The project was considered in 12th Meeting of the Reconstituted Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment and Forests was held during 31st October & 1st November, 2013 (Agenda item no 3.1). Wherein the project was recommended for environmental clearance for the mining of Limestone with Production Capacity of 7.77million TPA (ROM) subject to the submission of Stage I FC for diversion of forest land.

The end use of the project and other details have been described therein. Extract of the pages of the MoM as available of MoEF website is appended herewith

CALCOM CEMENTS INDIA LIMITED

Authorised Signatory

~~Letter of Intent (LOI) for grant of mining lease for minor mineral Bajri over an area of 4376.84 ha, has been granted from Director of Mines and Geology Department, Govt. of Rajasthan vide letter dated 27-07-2013 for the period of 5-year to Mr. Arjun Singh. Total water requirement for the project will be 41 KLD which will be sourced from nearby villages. Total Cost of the Project is Rs. 5.17 Crores. PP informed that no court case/litigation is pending against the project.~~

~~The Committee noted that the consultant (M/s Vardan Environet, Gurgaon) who prepared the Form I and PFR report is not accredited by QCI/NABET. However, Proponent has submitted an order of CWP No. 23391 of 2012, dated 29.11.2012 of Hon'ble High Court of Punjab and Haryana at Chandigarh staying the applicability of QCI accreditation to the instant consultant. Hence, the consultant was allowed by the Committee to present the proposal.~~

~~Based on the information furnished and presentation made by the project proponent and discussions held, the Committee **prescribed** the TORs for undertaking detailed EIA study as per Annexure-I with additional TORs to furnish (i) Details of replenishment studies; (ii) Details of Transportation of mined out materials as per the Indian Road Congress for both the ways (loaded as well as unloaded trucks) load and its impact on Environment; (iii) Proper species specific Conservation plan for Schedule I and II species; (iv) Impact of mining on plankton; (v) Details of mining activity to be provided w.r.t Block Wise/ Calendar wise/ Zonal wise, as the mine lease area is having a long stretch, (vi) Details of Gradient of river bed to be provided; (vii) Details of excavation schedule & sequential mining plan; (viii) Mining Plan shall be prepared carefully, dividing lease area into manageable blocks to ensure scientific and systematic mining of minor minerals; and (ix) The base line data shall be collected so as to represent the whole mine lease area.~~

Additional items with the permission of Chair:

3.1 New Umrangshu Limestone Mine with Production Capacity of 7.77million TPA (ROM) of M/s Calcom Cement India Ltd., located at Village New Umrangshu, Tehsil Umrangshu, Distt. Dima Hasao, Assam (417.50 ha) (Consultant: J.M. Enviro Net Pvt. Ltd.)-Reconsideration of EC

The proposal is of M/s Calcom Cement India Ltd. (OCIL) for Limestone mining with Production Capacity 7.77 million TPA of Limestone (ROM). The mine lease area is located at Village New Umrangshu, Tehsil Umrangshu, Distt. Dima Hasao, Assam. The Latitudes and Longitudes of the mine lease is 25°31'18.00"N to 25°32'25.20"N and 92°47'25.20"E to 92°48'32.40"E respectively.

The proposal was considered by the Expert Appraisal Committee in its meeting held during 19th-21st October, 2011 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF vide letter no. J-11015/202/2011- IA II (M) dated 28th December, 2011. The proponent submitted the EIA/EMP report to the Ministry for seeking environmental clearance after conducting public hearing. The project proponent made a presentation with regard to compliance of TORs for mining of Limestone with a capacity of 7.77 million TPA.

The mine lease area is 417.50 ha which is a Forest land. The mining plan was approved by IBM vide letter no. 314(3)/2011-MCCM (CZ)/MP-28 dated 10th April, 2012. PP reported that 211.87ha area will be used for excavation, 72.00ha for overburden/dumps, 10.40ha for infrastructure development, 3.67ha for road, 55.00ha for Green belt development and 64.56 ha area will be the undisturbed area. PP informed that the proposal of diversion of forest land for limestone mining lease of 425.5ha of Forest Land has been submitted to the State Forest Department on 17.05.2012 and it is under consideration.

Mining is by fully mechanized opencast method. The mine working will not intersect ground water table. The process will involve drilling, blasting, loading and transportation of the excavated material. The proposed drilling & blasting will be done in a staggered pattern with 150-165 mm dia drill holes with 5.0 m burden & 7.0 m spacing. The blasting will be done by using ANFO and other high explosive in ratio of 80:20. The total estimated mineable reserves are 162.56 million tonnes and life of mine is approximately 21 years. The total overburden is estimated as Sub Grade: 17.6 million m³ and Kopili/Shale: 9.12 million m³. Topsoil generated will be 0.672 Million m³, which will be utilized for reclamation and rehabilitation. At the conceptual stage, about 72 ha area will be covered under waste dump. The same will be stabilized by plantation.

The PP informed that Lime stone will be transported via Umrangshau Road and accordingly the impact assessment report due to road transportation has been carried out and the Committee deliberated the issues involved.

The total water requirement for the project will be 100 KLD which will be sourced from Amrang Nalla. Rain water harvesting would be undertaken depending upon feasibility and availability. NOC has been obtained from DimaHasao Autonomous Council, Haflong vide letter no. DHAC/GAD/282/2011-12 dated 31.07.2012.

PP informed that the proposed mine is captive limestone mine for cement plants of CCIL. It will cater to the limestone requirement for the cement plants at village Umrangshu, DimaHasao, Assam and at village Pipulpukhuri, Lanka, Dist. Nagaon (Assam). Environmental Clearances for both the cement plants were accorded vide MoEF. No. J-11011/307/2006 - IA II (I) dated 26th July 2007

and No. J-11011/312/2006 - IA II (I) on 26th July 2007 respectively.

It was reported by the PP that no National Parks, Wildlife Sanctuaries, Tiger Reserves within 10 km radius of the mining lease boundary. However, Krungming Reserved Forest exists within the study area at ~ 2.7 km in NW direction. No Schedule I fauna was found within core & buffer zone.

The baseline data was generated for the period during Post monsoon seasons i.e. October to December 2011. The Committee noted that the base line monitoring data were prior to the issuance of TORs. PP informed the Committee that they had requested to use the base line data during the presentation in the EAC meeting held in October 19-21, 2011 to determine the TORs, however it was not reflected in the Minutes of the meeting. Some of the members recollected the decision taken in the EAC meeting held in October 19-21, 2011. The Committee deliberated the issues and were of the opinion that as the base line data collection process and coverage were conforming to the TORs on the subject and that the cardinal environmental parameters are well within the permissible limits as prescribed by the CPCB, this could be agreed to.

The Public Hearing was conducted on 10th April, 2013 under the chairmanship of Mr. Barun Bhuyan, District Magistrate, Dima Hasao District at NEEPCO Recreation Club at KHEP Colony, NEEPCO Ltd., Umrangshu, District: DimaHasao (OldNorth Cachar Hills) Assam. The representative of Regional Office from the Assam Pollution Control Board was also present. The Committee discussed the issues raised during the public hearing.

The total cost of the project is Rs. 45.50 Crores. The PP has earmarked Rs. 20 Lakhs towards Environmental Protection Measures and Rs. 5 Lakh per annum towards recurring expenses. PP informed that Rs. 120 Lakhs have been earmarked towards CSR activities. PP reported that there is no court case/litigation pending against the project.

The proposal was earlier considered in the 11th EAC meeting held during September 25-27, 2013 wherein the Committee sought the following additional information and deferred the proposal:

- (i) The Environment policy does not appear to be approved by the Board hence compliance of TORs conditions no. 4 to 6 stipulated were not fulfilled;
- (ii) Details of measures to be taken to preserve the seasonal Nalah (Amrang Nalla) passing through the mine lease; and

- (iii) As the entire MLA is forest land, the PP needs to submit certified details of flora/fauna from the State Government as the PP has informed that there is no Schedule-I/Endangered/Rare species.

The Proponent has submitted the above mentioned information/darification w.r.t. (i) approved Environment policy by the Board; (ii) Details of measures to be taken to preserve the seasonal Nalah (Amrang Nalla) passing through the mine lease; and (iii) certified details of flora/fauna from the State Government.

Based on the information submitted, discussion held, the Committee recommended the proposal for environmental clearance for the mining of Limestone with Production Capacity of 7.77million TPA (ROM) subject to the submission of Stage I FC for diversion of forest land.

~~3.2 Bolani Iron ore Mine along with Beneficiation and pellet plant of M/s SAIL located at village Bolani, Tehsil Barbil, District Keonjhar, Odisha - (5.1 Sq. miles lease) Amendment in Environment Clearance-regarding~~

~~The Mine lease is located between latitude 22°05'N and 22°08'N and Longitude 85°17' and 85°20'E. The mine lease area is 1321.45 ha which includes 1225.78 ha of forest land. Stage I forest clearance has been obtained on 12.11.2010 for an area of 1152.58 ha. The EC to the project was issued vide letter no. J 11015/418/2008 IA.II(M) dated 21.12.2012 for enhancement of production of iron ore from 5.65 million TPA to 12 million TPA (ROM) along with installation of a new beneficiation plant of 12 TPA throughput and pellet plant of 4 million TPA capacities. The PP requested for amendment of the condition para. 6(iii) Forest clearance for 73.20 Ha. of Safety zone has not been obtained by the project proponent and the EC was subjected to the diversion of the Safety zone within one year. In the light of guidelines issued by FC division vide their letter F. No. 11 362/ 2012 FC dated 01.02.2013 the FC for complete forest area within mine lease are shall be obtained within 2 years from the date of issue of guidelines failing which, the mining lease area will be reduced to the non forest area plus the forest area for which the project proponent has been able to obtain the FC at the end of this time period. In the case of reduction in mine lease area, the project proponent will need to get a revised mining plan approved from the competent authority for reduced area and enter into a new mining lease as per reduced lease area. The EC will be construed to be available for the mining lease area as per the revised mining lease deed. In this regard Committee recommended that PP may be permitted to obtain FC for 73.20 ha of safety zone by 31.01.2015.~~

~~The PP also informed that while submitting the EIA/EMP Report, it was mentioned that there are two adjacent mining leases in 'Bolani Ore Mines viz Bolani 5.1 sq. miles lease' 'Bolani 6.9 sq. Miles lease'. Bolani 5.1 sq. miles lease is the iron ore bearing area whereas Bolani 6.9 sq. miles is manganese ore.~~