

**MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(IMPACT ASSESSMENT DIVISION)  
NON-COAL MINING SECTOR**

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**SUMMARY RECORD OF 4<sup>th</sup> MEETING OF THE RECONSTITUTED COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS CONSTITUTED UNDER EIA NOTIFICATION, 2006.**

The Fourth meeting of the Reconstituted Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during Minutes **March 21-22, 2016**. The list of participants is annexed.

After welcoming the Committee Members, discussion on each of the Agenda Item was taken up ad-seriatim.

**Item No. 1:**

**(1.1). Circulation of the Minutes of the 3<sup>rd</sup> EAC Meeting**

The Minutes of the 3<sup>rd</sup> Meeting of EAC held during 22-23<sup>rd</sup> February, 2016 were circulated.

**Day 1: 21<sup>ST</sup> MARCH, 2016 (MONDAY)**

**(2.1). J-11015/12/2010-IA.II(M) Minor Mineral Project of M/s Department of Industries and Commerce Village Raur, Tehsil Ludhiana East, District Ludhiana, State Punjab (64.8 ha).**

The proposal of M/s Department of Industries & Commerce, Government of Punjab is for mining of Sand (Minor Mineral) with proposed production capacity of 6,91,000 TPA (ROM). The mine lease area is located at Village- Raur, Tehsil: Ludhiana (East), District: Ludhiana, Punjab in the mine lease area of 64.8 ha. The mine lease area lies on river bed of River Satluj. The lease area lies on River Ken. The coordinates of Mine Lease area are- Latitude: 31°0'28.597" N to 31°0'22.167" N, Longitude: 75°56'22.601" E to 75°56'55.713" E on Survey of India toposheet numbers 44M/16. The Project is located in Seismic zone-IV.

The proposal was considered by the Expert Appraisal Committee in its meeting held on 19<sup>th</sup>- 21<sup>st</sup> March, 2012 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by EAC vide letter no. J-11015/12/2012-IA.II (M) dated 1<sup>st</sup> May, 2012. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance on 28<sup>th</sup> October 2015.

The mine lease area is 64.8 ha which is on River Satluj. The Lease is a Government land however, the LOI is not issued. The Mining Plan is approved by State Geologist with vide letter no. Glg/Pb/G-6/M.P./Raur/10418A dated 24<sup>th</sup> December, 2014.

The proposed method of Mining is opencast semi-mechanized method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than two meter from the ground water level of the River Chanel whichever is reached earlier. Proponent informed that 64.8 ha area will be used for excavation. The site elevation is 240m AMSL. The Ground water depth is 4.32 -31.22 m bgl in pre-monsoon season and 2.89 – 27.30 m bgl in post-monsoon season. The total water requirement is 1.97 KLD including water demand for domestic purpose and dust suppression which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

The Project Proponent reported that Mining will be done upto a maximum depth of 3 m in layers of 1 m each which will avoid ponding effect. Mining will be confined within central 4/5th width of the river. It will be done leaving a safety zone of total of 10% or 1/5<sup>th</sup> from the banks of the width of the river from the banks for bank protection. Excavated area will be replenished naturally due to sediment inflow from the catchment area.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 2764per day (20 tonnes capacity each) which increase 1242 PCUs per day (Considering both loaded and empty trucks) and the level of service (LOS) is "B" and "A" respectively which is Very Good and Excellent as per classification. Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

The Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). The baseline data was generated for the period during October 2012 to November 2012. All the parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the dry part of the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 03.12.2012 at 11:00 pm at Village- Raur, District –Ludhiana, Uttar Pradesh. The Public hearing was presided over by Additional Deputy Commissioner, Ludhiana. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia included that priority to local people in employment, path for trucks contract should be given to village people & village machinery, providing boundary & wire fencing, effective implementation of measures to control dust pollution, royalty for land owners. Project Proponent has made the Action Plan with budgetary provisions.

The cost of the Project is Rs. 32,00,000. The Proponent has earmarked Rs. 5.1 Lakhs towards Environmental Protection Measures. Proponent informed that Rs. 1,60,000 have been earmarked towards CSR activities for next 3 years of mining operation. There is no litigation pending against the case.

The Committee deliberated at length the information submitted by the project and the presentation made by the proponent and based on the discussion held the Committee noted that the TOR was not valid at the time of submission of EIA report therefore at the first instance the extension of TOR shall be done. The representative of State Government requested for extending the validity of TOR to the outer limit of four years. The Committee **recommended** the extension of validity of TOR up to **30<sup>th</sup> April 2016**. The Committee also suggested that project shall be justified in the backdrop of Hon'ble Supreme Court Order dated 28.10.2013 in the matter of Vijay Bansal Vs. State of Haryana & ors. and a valid LOI shall be issued to the project.

**(2.2). J-11015/192/2011-IA.II(M) River Bed Mining Project of Sand, Bajri and Stone (Minor Mineral) of M/s Smt. Asha Rani Dang, Village Baddi, Shitapur, Landewal, Kalyanpur&kainduwal, Tehsil Nalagarh, District Solan, State Himachal Pradesh (70.9312 ha.)**

The Proposal of Smt. Asha Rani Dang w/o Shri Sh. Trilochan Singh situated at Asha Niwas, Housing Board Colony, Face II, Nr Block no. 22, Saproon, Dist. - Solan (H.P.) is for mining of Sand, Bajri & Stone (Minor Minerals) with production capacity of 1,32,765 Tons/ Annum (ROM). The mine is located at River - Sirsa village Baddi, Shitalpur, Landewal, Kalyanpur, Kainduwal), P.O. & Tehsil Nalagarh, District Solan, Himachal Pradesh in the mine lease area of 70.9312 ha. The Latitude and longitude of the mine lease area are 76° 45' 51' 'E to 76° 47' 27' 'E and 30° 54' 49' 'N to 30° 56' 35' 'N respectively on survey of India topo sheet no. 53 B /13. The project is located in seismic zone -IV.

The proposal for TOR was considered by the Expert Appraisal Committee (mining) in its meeting held during October 19-21, 2011 to determine TOR for undertaking details EIA study. The TOR was issued by MoEF&CC vide letter number J-1015/192/2011-IA.II(M) on dated 1<sup>st</sup> May, 2012.

It was noted that it is a violation case as the mine operated without prior environment clearance and the mine lease renewal fell due in 2012. PP has submitted the Board Resolution in form of affidavit dated 17.01.2012 that such violation will not be repeated in future. The Mining Officer, Solan vide letter dated 22.09.2015 no. Udyog/SLN/MM/lease/2011-832 has informed that mining operations had been stopped w.e.f. since November, 2011. The prosecution report has been filed in the Court of Ld. Chief Judicial Magistrate, at Nalagarh District Solan, HP on 8.01.2015 vide Case No. PCB/148/M/s. Rama Ston Crusher/14-23746 to take cognizance of offence by the said court under section 15 of Environment (Protection) Act, which has been committed by the offending project and the same have been taken on record.

The application for ToR extension was considered in the EAC meeting held during September 22-24, 2015 and extension of ToR was granted for period of 01.05.2015 to 30.04.2016 vide letter no J-11015/192/2011.IA.II (M) dated 5<sup>th</sup> November 2015.

The mining lease area of 93.6024 ha (1170.03 bighas) for extraction of Sand, Bajri and Stone was granted vide Govt. order no. Udhyog Bhu- (khani-4) Laghu - 319/95/7685 on dated 26.11.1996. for a period of 5 years in village/ Mauza Baddi, Shitalpur, Landewal, Kalyanpur, Kainduwal in Tehsil - Nalagarh, District- Solan, State

- Himachal Pradesh. During the joint inspection of lease, an area of 239.84 bighas was deducted and earmarked for plantation and protection of irrigation scheme. Therefore mining lease was reduced to an area of 930.19 Bighas (74.415 ha.).

The mine lease was renewed twice, for a period of 5 years. The application for 3<sup>rd</sup> renewal of lease was filed on dated 22.02.2011 for an area of 70.9312 Hectare (899.14 Bighas ) for further 5 years. Letter of Intent has granted for renewal of grant of mining lease for mining sand, stone, bajri vide letter Nos. Udyog-Bhu(khani-4) Laghu-319/95- Vol I-3867 dated 15-07-2015.

Mining plan for renewal of mining lease has been approved on 12.02.2016 vide letter no Udyog -Bhu(Khani-4) Laghu-319/95- Vol-I-11340. The mining will be done manually without drilling and blasting. The mining will be done only during day time and completely stopped in monsoon season, no mining machinery will be deployed. Excavation will be carried out up to a maximum depth of 1m from surface deposit. The ground water depth is 6m bgl in pre monsoon season and 5 m bgl in post monsoon season.

The site elevation is 360 to 388 m about msl. The total water requirement will be 7.5KLD (2.0 KLD for drinking, 2.5 KLD for dust suppression and 3.0 KLD for plantation). Water will be available from borewell outside lease area. The loaded tractor trolleys/trucks will carry the material, about 490 tons of sand bajri and stone would be required to be moved daily.

It was reported by the PP that no national park, wildlife sanctuaries, tiger reserves fall within study area the base line data was generated for period during December 2012 to February 2013. The parameter of water and air quality was within permissible limit. The public hearing for proposal was conducted on dated 11.09.2013 at village - shitalpur, Tehsil - Baddi, District - Solan, Himachal Pradesh. The public hearing was presided over by ADM, during the public hearing suggestion, objection were invited from the local people regarding the project. The cost of project is Rs 30.0 lakhs and capital cost of EMP will be Rs 10.0 lakhs and amount earmarked for social fund is Rs 2.50 lakhs for plan period.

The Committee deliberated at length the information submitted by the project and the presentation made by the proponent and based on the discussion held the Committee noted that the replenishment study done by consultant does not support the production capacity of the project. The Committee therefore decided to **defer** the proposal and sought the following additional information: (i) The replenishment study report justifying the production capacity of the project. (ii) The annexure of EIA report are not numbered and uploaded on the website, the consultant is requested to do proper numbering of all the pages of the EIA report and upload on the Ministry website and also consultant to provide the explanation for incomplete uploading of EIA report.

**(2.3). J-11015/105/2013-IA-II (M) Baga-Bhalaglime stone and shale mine (3.10 MTPA to 5.25 MTPA) within existing area of M/s Jaypee Himachal Cement Plant (a unit of Jai Prakash Associates Ltd.) located at Baga & Bhalag villages, Arkitaluka, Solan District, Himachal Pradesh (331.424 ha)**

The Jaypee Himachal Cement Plant (JHCP) a unit of Jaiprakash Associates Limited proposes production enhancement from 3.10 MTPA to 5.25 MTPA limestone and shale mine within existing ML area of 331.424 ha at Baga & Bhalag villages, Arki taluka, Solan district, Himachal Pradesh. Environmental Clearance for 3.10 MTPA mine was granted by MoEF vide letter no:J-11015/11/2006-IA.II(M) dated 07.09.2009. The mine lease area is between latitude/longitude 31°18'58" N to 31°20'43" N and 76°53'38" E to 76°54'47" E and falls within the Survey of India Toposheet no. 53A/15. The mine is captive to meet the limestone requirement of its cement plant adjacent to the mine.

The proposal for TOR was considered in the EAC meeting held during June 26<sup>th</sup> – 28<sup>th</sup>, 2013 and TOR was issued by MoEF&CC vide its letter no: J-11015/105/2013-IA.II(M) dated 3<sup>rd</sup> February, 2015. The proponent submitted Final EIA/EMP to the Ministry on 28<sup>th</sup> January, 2016 for seeking environmental clearance after conducting public hearing.

The mine will be worked by mechanized opencast method of mining. Government of Himachal Pradesh had granted mining lease for limestone and shale over an area of 331.424 ha on 07.03.2005. Mine lease was executed on 29.09.2007. The life of the mine is 60 years for limestone and 55 for shale with a stripping ratio of 1:0.0 (LS to OB). The Geological Reserves (as on 01.03.2012) are 727.15 Million Tonnes (LS) and 45.72 Million Tonnes (Shale). Mineable Reserves are 148.18 Million Tonnes (LS) and 30.4 Million Tonnes (Shale).

Mining plan has been approved by Indian Bureau of Mines vide its letter no: 614(2)/MP-A-216/05-DDN dated 19.12.2012. Mining area admeasures 331.424 ha which is already under industrial use. As per the Land Use pattern of mine lease area, only 25.3032 Ha. land is forest land but Forest diversion in respect of 239.5096 ha was applied and granted by MoEF, New Delhi vide their letter no:F.No.8-72/2005-FC dated 02.06.2006 because concerned govt. land was also classified as Forest Land.

The twenty two PFs exist in study area. The Bandli & Majathal wildlife sanctuary are located at a distance of 8.5 km, N & 4.5 km, SE respectively. Proposal for Wildlife clearance was recommended by standing committee of NBWL during its 31<sup>st</sup> Meeting held on 12<sup>th</sup> -13<sup>th</sup> August, 2014. Further, NOC has issued by PCCF (wildlife) – cum-CWLW, HP, Shimla, vide ref No. WL(Misc)-Jaypee Cement /WLM/6684, HP Forest Department, dated 9<sup>th</sup> March, 2016. A conservation plan for Schedule-I species was also submitted by the Project Proponent.

The water requirement will be around 150 m<sup>3</sup>/day which will be sourced from existing allocation from Trada and Padiyar nalas near the confluence with Satluj River. No additional manpower is required. Existing manpower is 200 nos. The baseline environmental monitoring studies were conducted during pre-monsoon season, 2015 (March-May, 2015). All the physical parameters i.e. air; water noise and soil along with biological parameter i.e. Ecology and Biodiversity are within permissible limit.

The Public hearing for the proposed project was conducted through Himachal Pradesh Pollution Control Board (HPPCB) on 31<sup>st</sup> October, 2015 at Kandhar village,

Arki tehsil, Solan district, Himachal Pradesh and presided by Additional District Magistrate, Solan. The issues during the public hearing were also considered and discussed during the meeting, which inter-alia, included that Employment to Local People, Allotment of transport work to the locals, Road construction, Restoration work, Damages to Ritual places & Rain Shelter and development work for surrounding area. These have been incorporated in the Public Hearing action plan along with budgetary provisions it is informed by the Project proponent that increase in the production and the subsequent increase in transport work will be given to existing transporters as per the prevailing practice. The JHCP has spent 87.46 Crores for development of this area. Many works are done under CSR on education, health, water supply, community welfare works and road up-gradation and an amount of 34.00 Lakhs are proposed for CSR activities under proposed expansion project. No additional cost shall be incurred, the capital cost of existing mine was Rs. 35 crores. JHCP has proposed to spend an amount of Rs.20 lakhs towards environmental protection measures. It was reported by the PP that court case seeking enhancement in compensation under land acquisition act are pending in the Court.

During the meeting, the Committee desired the information on Show Cause Notice issued by the Director, Industry, (IA Division), Ministry of Environment, Forest & Climate Change. The Project Proponent informed that they had submitted the response against the said Show Cause Notice to the Director, MoEF vide letter ref. No. JHCP/BAGA/MOEF/2013 dated 29th July, 2013 and upon satisfying itself to their response, MoEF, accepting recommendations of EAC, amended the Environmental Clearance to Cement Plant for increase clinker production from 2.05 MTPA to 2.97 MTPA.

The certified compliance report of the earlier EC granted vide letter no: J-11015/11/2006-IA.II(M) dated 07.09.2009 was discussed in the meeting. The Committee desired the confirmation on compliance of some of the EC conditions referred as "Assured to comply" in the detailed Certified Monitoring Report submitted vide letter No.6-7/2006-RO(NZ)/3325 dated 17.06.2013 by Director (S), MoEF (Northern Region). Project Proponent informed that the condition-wise status of compliance has already been submitted through six monthly EC compliance report (April-Sept 2013) to RO, MoEF&CC (Northern Region) vide letter No.JAL: JHCP/ENV/2013/17021 dated 28.11.2013 and all the compliance had been made.

The Committee deliberated at length the information submitted by the proponent and the presentation made by the proponent and based on the discussion held the Committee **recommended** the proposal for grant of Environmental Clearance.

## **RECONSIDERATION OF ENVIRONMENT CLEARANCE**

### **(2.4). J-11015/446/2013-IA.II (M) Lodhva Mining with production capacity 1.5 million TPA of Limestone by M/s Ambuja Cements Ltd., located at village - Lodhva, Tehsil - Sutrapada, District Gir - Somnath, (Erstwhile Junagadh) Gujarat (591.1389 ha).**

The proposal is of M/s Ambuja Cements Ltd. for Lodhva Limestone Mining Project (Area: 591.1389 ha) with production capacity of Limestone 1.5 MTPA (new mine). The mine lease is located at Village: Lodhva, Taluka: Sutrapada, District: Gir Somnath

(Erstwhile Junagadh) (Gujarat). The Latitudes and Longitudes of the mine lease area lies between 20°48'46"N to 20°50'41"N and 70°34'07"E to 70°35'38"E. The study area falls within the Survey of India Topo sheet No. 41 L/9 (Restricted). The Project is located in Seismic zone-III.

The Proposal was considered by the Expert Appraisal Committee in its meeting held during January 27-28<sup>th</sup>, 2014 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. TOR was issued by MoEF&CC vide letter no. J-11015/446/2013-IA.II (M) dated 14th March, 2014.

This is a proposed Limestone mining project with production capacity of 1.5 MTPA. Govt. of Gujarat (GoG) issued LOI over an area of 591.1389 ha vide letter no. MCR-1599-3748-CHH dated 20.9.2013. The Mining Plan & Progressive Mine Closure Plan for 591.1389 ha area has been approved by Regional controller of Mines, Indian Bureau of Mines, Udaipur vide their letter no. 682 (23) MP 579/2008 dated 25th September, 2014. Limestone Mining will be done by mechanized opencast method by deploying eco-friendly Surface Miner and Dozer. Drilling and Blasting is not involved. The limestone produced from the mine will be transported by covered tippers from mine to cement plant at Ambujanagar in Kodinar Taluka.

The mine lease area is 591.1389 ha, out of which 479.9511 ha is private land, 85.4550 ha is Govt Gaucher land and 25.7328 ha is Govt. waste land. Gaucher land is presently not planned for mining activity. Utilization of Gaucher land for mining shall be done as per the policy of Government of Gujarat. At the conceptual stage, out of the total mining lease area (i.e. 591.1389 ha), total mined-out area will be 442.7446 ha which will be converted into water bodies. Land procurement is under progress and around 70.7 ha land has been purchased by Ambuja Cements Ltd.

It was reported by the PP that no National Parks/Wildlife Sanctuaries/Biosphere Reserves/Wildlife Corridors/Tiger/Elephant Reserve are located within the 10 km study area of the mine lease. There are two forests within 10 km radius study area. No forest land is involved in project (mining lease) area. State Forest Dept. vide letter no WLP/32/A/1322-23/2015-16 dated 16.10.2015 has confirmed that no forest land is there in the lease area. It was reported by the PP that project area is located 22 kms from Gir Sanctuary and 24 kms from Gir National Park. The Conservation and Management Plan for Schedule-I species reported from study area has been approved by PCCF, Govt. of Gujarat and necessary fund allocation has been made by the project proponent. The project area is near to the sea coast and is located outside the CRZ boundary. The Baseline data was collected for the period March to May, 2014. The analytical results of samples collected for all parameter were found within the permissible limits.

The Public Hearing was conducted on 06th June, 2015 at Shree Kanya Shala Maidan (Girls School Compound), Village Lodhva, Taluka-Sutrapada, District-Gir Somnath. The Public Hearing was presided over by Smt K.J. Trivedi, The Additional Collector & Additional District Magistrate, Gir Somnath. The issues raised during Public Hearing were also considered and discussed during the meeting, which inter-alia, included drinking water facility, Water resources Development and Salinity ingress prevention, Medical Assistance, Sanitation Programme, Plantation Programme, Education facility and village infrastructure, skill / vocational training to youth in

Lodhva and surrounding villages and providing assistance for employment, Veterinary and agriculture support services, Mining Technology & Conservation & Management of Wildlife species. Total cost of the Project is Rs. 150 crores. Capital Cost for environmental protection measures is Rs. 3 crores & recurring cost is Rs. 25 Lacs/annum and CSR cost is Rs. 94.58 lacs for five years. It was informed by the PP that there is no court case related to the project.

The Committee deliberated at length the information submitted by PP and deferred the Proposal and sought the following information/clarifications for further consideration:-

- (i) The detailed action plan on public hearing issues along with the budgetary provisions.
- (ii) A detailed report and action plan on occupational health and public health of the adjoining habitation of the area.
- (iii) The grazing land is part of mine lease area and will practically be unavailable to the cattle once mining will commence. Considering the issues raised by public the alternative grazing land should be provided to the villagers for feeding the cattle.
- (iv) A report on the salinity control in the area along with detailed action plan.

Project Proponent vide letter dated 23.01.2016 has submitted the above requisite information sought in the EAC Meeting held during December 21-22, 2015. The Committee deliberated the information submitted by the project proponent which were presented in its Meeting during March 21-22, 2016 and noted the following:

1. Regarding the Public Hearing issues the Project Proponent (PP) provided a detailed Action Plan including- Safe Drinking water facility, Water Resource Development and Salinity Ingress prevention, Medical facility, Sanitation Programme, Plantation Programmes, Education Facility and Village Infrastructure, Employment Generation, Veterinary & Agriculture Support Service, Mining Technology, Conservation & Management of Wildlife species, Land Matters etc. A Budgetary allocation of Rs.286.88 Lacs for the next 5 years was provided. Committee also noted that the company has already spent Rs.243.61 Lacs so far in all these activities.
2. A detailed report and Action Plan on Occupational Health and Public Health of the adjacent habitation of the area was also presented by the PP which comprises of preventive and promotive health intervention, hospital care and sustainable health action and access to quality health care. In case of Occupational Health, preventive measures for the possible health related diseases / disorders and the Occupational Health services as well as frequency of medical check-ups were also covered. A total budget provision of Rs.25 lacs for Public Health and Rs.62.5 lacs for Occupational Health has been provided for the next 5 years.
3. With regard to Grazing Land in the mining lease area, the PP have explained in detail that the Gauchar land will remain accessible and available for the cattle feeding even during mining, as there is no mining envisaged on the Gauchar land. No existing roads connecting to Gauchar land will be disturbed. It is also committed that mining will be carried out by blast free eco-friendly Surface Mining technology with in-built water spraying system for suppression of dust at source. A safety barrier of 7.5 m shall also be left all along the boundary of



Gauchar land. Additional safety measures such as masonry wall around the mine boundary, noise and dust control measures as well as plantation along the haul roads were also committed.

4. A detailed report and Action Plan for the Salinity Control in the area was presented. It was specifically noted that Ambuja Cement has taken major initiatives to harvest and save water in the last almost 25 years including- Check Dams for harvesting rain water, percolation-cum-Recharge wells, Link canals, Pond Deepening, Rooftop Rainwater Harvesting Structures and Water Resource Development & Monitoring in Mines area which has resulted in augmentation of Ground water, Rise in water levels and prevention of salinity ingress. Total water harvesting capacity created in the region is claimed to be 46.18 MCM with recharge potential of 13 MCM through these activities.

The above measures have resulted into reduction in salinity by 1000 to 2000 ppm at several places. Saline-Freshwater interface line has moved towards sea by more than 3 km during the period 2001 and 2014. Lodhva area falling in Sutrapada block now comes under the 'Safe' category from Semi-Critical earlier as per Dynamic Water Resource of India, Govt. of India, 2012. Few more salinity control measures in the study area are also proposed namely check dams, village pond deepening, percolation wells & well recharges, Roof top rain water harvesting and link canal which would incur the total expenditure of Rs.347.0 Lacs.

The Committee deliberated at length the information submitted by the proponent and the presentation made by the proponent and based on the discussion held the Committee **recommended** the proposal for Environmental Clearance for Lodhva mining with production capacity 1.5 million TPA of limestone (area: 591.1389 ha) by M/s Ambuja Cements Limited, located at village Lodhva, Tehsil-Sutrapada, District Gir-Somnath, Gujarat.

**(2.5).J-11015/150/2014-IA.II(M) Chilai Dolomite mine of M/s Mohammadi Minerals located at village Chilai, tehsil Wani, District Yavtmal (MS), Maharashtra (61.91ha) (1.5 MTPA)**

The proposal is of Chilai Dolomite mine of M/s Mohammadi Minerals located at village Chilai, tehsil Wani, District Yavtmal (MS), Maharashtra The Proponent Mr. M. Abdul Kadir M. Hanif of M/s. Mohammadi Minerals proposes to mine dolomite from 61.91 ha of lease area. The lease is near village Chilai in Wani tehsil of Yavatmal district of Maharashtra. Dolomite deposits are 25km from Wani town. Latitude and longitude are respectively N 19<sup>0</sup> 49' 39.4" - N 19<sup>0</sup> 50' 9.5" & E 78<sup>0</sup> 55' 32.6" - E 78<sup>0</sup> 56' 9.4". Proposed lease area comes within Survey of India Topo sheet no 56 I/13. It was informed by the PP that this is a new project. There is neither any litigation nor any directions by any court or statutory authority against proposed project.

The proposal was considered in the EAC meeting held during July, 8-9<sup>th</sup>, 2014. The Terms of reference were granted on 12.08.2014 vide letter no. J-11015/150/2014-1A. II (M).

The Mining scheme for open cast mechanized extraction of dolomite @ 1.5 MT/year has been approved by DGM, Maharashtra vide letter no. STC-852/part-

4/2012/3023 dated 5<sup>th</sup> November 2014. The Ultimate pit depth will be 34 m and ground water table will not be intersected.

The proposal was considered in the EAC meeting held during July 29-30, 2015 after detailed deliberations, the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee:

- (i) The Environment Policy of the Mine shall be submitted.
- (ii) The Revised EIA/EMP report along with proper page numbering shall be submitted.
- (iii) The R&R plan shall be submitted along with socio-economic survey incorporating the public hearing issues.
- (iv) The land use of the mine is not clear; therefore the land use details of the mine lease area shall be submitted.
- (v) The details of the green belt shall be submitted.
- (vi) The Conservation Plan for schedule-I species shall be submitted.
- (vii) A detailed dust control plan, transportation route and evacuation plan shall be submitted.

On submission of revised EIA report project was considered by EAC in the present meeting. It was noted that this a **violation case** as mine operated in 2010-11 without obtaining environment clearance. The information sought by the committee was incorporated in the revised EIA report the Committee was therefore of the view that the information sought earlier shall also be provided separately for discussion on following points:

- (i) The Environment Policy of the Mine shall be submitted.
- (ii) The R&R plan shall be submitted along with socio-economic survey incorporating the public hearing issues.
- (iii) The land use of the mine is not clear; therefore the land use details of the mine lease area shall be submitted.
- (iv) The details of the green belt shall be submitted.
- (v) The Conservation Plan for schedule-I species shall be submitted.
- (vi) A detailed dust control plan, transportation route and evacuation plan shall be submitted.

The Committee decided that the Proposal be **deferred** till the aforesaid information is submitted and action on violation is completed.

**(2.6). J-11015/81/2013IAII(M) Limestone mine of M/s My Home Industries Limited at Village-Gamalapadu, District Guntur, Andhra Pradesh (4.0 MTPA, 374.58 ha.)**

The proposal of M/s My Home Industries Limited is for Limestone Mining Project with production capacity of 4.0 million TPA of Limestone production from the mining lease area of 374.58 ha. The mine lease is located at Gamalapadu Village, District: Guntur, State: Andhra Pradesh. The mine falls under the Survey of India Topo sheet No. 56/P/10. The site falls between 16<sup>o</sup> 37'5.9" - 16<sup>o</sup> 39' 07.2" North latitude and 79<sup>o</sup>42'7.6" - 79<sup>o</sup>43'3.70" East Longitude with an average altitude of 80 m above MSL.

The proposal was considered by the Expert Appraisal Committee (Non-coal Mining) in its 7<sup>th</sup> meeting of the reconstituted EAC held during May 15<sup>th</sup> -17<sup>th</sup>, 2013 to determine the Terms of Reference for undertaking detailed EIA. TOR has been issued MoEF vide letter no J- 11015/ 81 /2013-IA.II (M) dated 16.07.2013.

Mining lease is a patta land of 243.79 ha and Govt. Land of 130.79 ha. No forest land exists within the ML Area. Mining lease was granted by Govt. of Andhra Pradesh vide Memo No. 14722/M.IV(2)/2012-4 dated 16-04-2013. Mining Plan including Progressive Mine Closure Plan for the proposed mine has been approved by IBM, vide letter no. AP/GNR/MP/LSt-72/Hyd dated 01.08.2014. Mining is proposed to be done by fully mechanized open cast method by formation of benches of maximum 9.0 m height. Excavation will be by drilling and blasting. The limestone produced from the mine is transported to the crusher located near the mining lease boundary. A conveyor to transport the limestone from crusher to cement plant is proposed.

The water table is found at a depth of about 13 m from general ground level. The mine will be worked upto a maximum depth of 45 m bgl (40 m msl). Mining depth will intersect ground water table when it reaches a depth of 13 m. Proponent applied for the permission from CGWA permission for intersecting groundwater table and it is awaited.

There is no solid waste generation from the mine. A total quantity of about 2.2167 Million cubic meters of Top Soil is estimated in the area during life time of Mine (58 Years). The same would be removed and transported for spreading with about 4.0 m to 5.00 m height in the afforestation proposed areas for development of Plantation. At the end of mine life, about 303.36 ha will be degraded by mining operations up to an average depth of 45 m bgl (40 m msl). Mined out area of 303.36 Ha will be converted into water reservoir.

Total area of 49.68 ha along the mine lease boundary of 7.5 m barrier zone area and safety barrier zone for water course and H.T Electrical line will be developed under greenbelt. The water required is about 100 m<sup>3</sup>/day. This requirement will be met from the sumps created to store the rain water and water supply system of the cement plant.

The Project Proponent reported that no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves exist within 10 km of the mine lease area. The baseline data was collected during Summer Season 2014 (March - May). All the parameters were within permissible limits. The Public hearing was conducted on 24.04.2015 near mine site and presided over by Additional Joint Collector, Guntur. Issues raised are CSR activities and unsold lands which are part of ML area. PP informed that Rs 71 crores (combined for plant and mine) is earmarked towards the Enterprise Social Commitment. Total cost of the Project is Rs. 40 crores. Proponent has earmarked Rs. 17 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 8.00 Lakhs per annum as recurring cost. Project Proponent reported that there is no Court case pending against the Project.

The project was considered in the EAC meeting held during July 29-30, 2015 wherein Committee sought following clarification and deferred the proposal:

- (i) The 20 houses are located within the mine lease area, therefore, detailed R&R plan shall be submitted along with socio-economic survey incorporating the public hearing issues.
- (ii) The Mine working will intersect the ground water therefore a copy of permission from CGWA shall be submitted.
- (iii) A disaster management plan shall be submitted.
- (iv) The Conservation Plan for schedule-I species shall be submitted.
- (v) A detailed dust control plan, transportation route and evacuation plan shall be submitted.

The Committee also suggested the additional conditions:

- (i) The measures shall be adopted so that ground water table of the area shall not go down.
- (ii) Fruit bearing trees should be planted

The replies to the above points were submitted to MOEF&CC through online submission vide letter No.MHIL/ENV-HO/DCW-MINE/2015-16 dated 29.12.2015. The proposal was considered in the present meeting and it was noted that the information submitted was not satisfactory therefore the Committee was of the view that the following information shall be resubmitted:

- (i) The 20 houses are located within the mine lease area, therefore, detailed R&R plan shall be submitted along with socio-economic survey incorporating the public hearing issues.
- (ii) The Mine working will intersect the ground water therefore a copy of permission from CGWA shall be submitted.
- (iii) A disaster management plan shall be submitted.
- (iv) The Conservation Plan for schedule-I species shall be submitted.
- (v) A detailed dust control plan, transportation route and evacuation plan shall be submitted.

The Committee decided that the Proposal be **deferred** till the aforesaid information is submitted.

**(2.7).J-11015/ 445/2013-IA.II (M) Lime Stone Mine of M/s My Home Industries Ltd located at Choutapalli Village MattampalliMandal, Naalgonda District Andhra Pradesh (156.58 Ha.)**

The proposal of M/s My Home Industries Limited is for Limestone Mining Project with production capacity of 2.72 million TPA of Limestone production from the mining lease area of 156.586 ha. The mine lease is located at Choutapalli & Mellacheruvu Villages, District: Nalgonda, State: Telangana. The mine falls under the Survey of India Topo sheet No. 56 P/13. The mine area is located between 16°46' 36.1" - 16°47'40.00" N, Latitude and 79°53'49.00" - 79°54'53.4" E, Longitude with an average MSL of about 100 m.

The proposal was considered by the Expert Appraisal Committee (Non-coal Mining) in its 16<sup>th</sup> meeting of the reconstituted Committee held during 27-28, January, 2014

to determine the Terms of Reference (TOR) for undertaking detailed EIA. TORs has been issued vide MoEF letter no J-11015/ 445/2013-IA.II (M) dated 14.03.2014.

Mining lease is a Govt. waste land of 5.423 Ha and Private Agriculture Non Irrigated Land of 151.163. No forest land exists within the ML Area. Mining lease was granted by Govt. of Andhra Pradesh (now under Telangana State) vide Memo No. 3514/M.I(2)/2013 dated 01-11-2013. Mining Plan including Progressive Mine Closure Plan for the proposed mine has been approved by IBM, vide letter no. AP/NGL/MP/LSt-74/Hyd dated 04.02.2015.

The Mining is proposed to be done by fully mechanized open cast method by formation of benches of maximum 9.0 m height. Excavation will be by drilling and blasting. The limestone produced from the mine is transported to the crusher located near the mining lease boundary. A conveyor to transport the limestone from crusher to cement plant is installed. The water table is found at a depth of about 30 m from general ground level of 85 m. The water table lies at 55 m msl from the general ground level. The mine will be worked upto a maximum depth of 60 m (40 m msl). The mining depth will intersect ground water table when it reaches a depth of 30 m.

The waste generated during life of mine (35 years) is mainly high siliceous limestone which accounts to 10.54 Million Tonnes. 1.35 Million Tonnes of waste will be stacked in a temporary dump yard of 7.6 ha with 8m bench height, which will be backfilled in the conceptual stage. Remaining waste of 9.18 Million Tonnes will be backfilled in the mined out area concurrently. After using the waste dump for backfilling, the area will be opened for production and development. Total area of 20.68 ha which includes 7.5m width barrier zone and backfilled area will be developed under greenbelt.

Mining operations will be carried out by fully mechanized open-cast mining method. Hydraulic excavators are deployed to load blasted limestone into Dumpers. The water requirement is estimated to be about 30 m<sup>3</sup>/day. This requirement will be met from the existing MHIL mine pit of Mellacheruvu Limestone Mine initially and after formation of the mine pit, rain water collected in the mine pit will be used.

The Project Proponent reported that no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves exist within 10 km of the mine lease area. One Reserved Forests exist within 10 km radius of mine site. The baseline data was collected during Summer Season 2014 (March - May). All the parameters were within permissible limits.

Public hearing was conducted on 15.11.2014 at the mine site and presided over by District Revenue Officer of Nalgonda. Issues raised were rainwater harvesting, plantation and adoption of village. The PP informed that Rs 250 Lakhs is budgeted for undertaking CSR in and around the cement plant and mines of MHIL. Total cost of the Project is Rs. 10 crores. Proponent has earmarked Rs. 50 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 12.0 Lakhs per annum as recurring cost. Project Proponent reported that there is no Court case pending against the Project.

The committee suggested to plant leguminous fodder species for the cattle in the adjoining areas. Committee also suggested additional conditions that Real time

monitoring of Air Pollutants shall be done around the adjoining villages by establishing online AAQ stations in each village and display of parameters done at designated locations. The operations should be stopped immediately if air quality is found to be below the prescribe standards.

The project was considered in the EAC meeting held during May 27-29, 2015 wherein Committee sought following clarification and deferred the proposal:

- (i) The blasting study shall be submitted as per compliance of TOR point 6.
- (ii) Nagarjuna canal is 70 meter from mine site detail report on its protection shall be submitted.
- (iii) A road is passing adjacent to the Mine safety precaution of road and its user shall be submitted.
- (iv) R&R plan shall be submitted along with details in questionnaires.
- (v) Conceptual post mining plan of land use as per compliance of TOR 32 shall be submitted.
- (vi) Permission from CGWB for working below ground water table shall be submitted.

The replies to the above points were submitted to MOEF&CC through online submission vide letter No.MHIL/ENV-HO/CLM-II/2015-16 dated 08.09.2015 and submissions during EAC. The PP submitted the following:

- (i) As environmental clearance is under process for the proposed new Limestone Mine (156.586 ha) located at Choutapalli village, Mattampalli Mandal, Nalgonda District, Telangana, blasting studies cannot be taken up in the subject Mine Lease area. The blasting studies were taken up in the adjacent / contiguous operating limestone mine of My Home Industries Limited at Choutapalli Village of Mattampalli Mandal and Mellacheruvu Village of Mellacheruvu Mandal, in Nalgonda District, Telangana State. A Scientific study of the impact of blasting operations on railway track/NSP Canal & other structures was carried out in the existing Choutapalli Limestone Mine during July-2015 by Dr. V.R. Sastry, Professor of Mining Engineering, National Institute of Technology, Karnataka, Surathkal (Govt. of India), Mangalore. The findings of the study were that the Jaggayyapeta to Janpahad Railway Track is passing at about 130m (minimum distance) from the Choutapalli Limestone Mine. Also there is Railway Over Bridge by the side of the Mining boundary. These Railway track and bridges are constructed recently and are about four (4) months old. By that time, the mining activity has reached the boundary towards the Railway track and no blasting operation is taking place on this side. The Mellacheruvu village structures are well beyond 3 km from the Choutapalli Limestone Mine. Blasting operations in the Choutapalli Limestone Mine, therefore, be carried out in such a way that the ground vibrations at different structures are always maintained below the assigned permissible PPV values. Fly rock should be controlled to within mine limits, without causing any problems to the structures around and the villagers. Ground vibrations were found to decay considerably from 200m distance from blast site. There is no effect of blasting operations on the stability of Mellacheruvu village structures. Fly rock was observed to a maximum distance of 30m from 4<sup>th</sup> blast. In other blasts it is contained to within 20m distance on front side of bench being blasted.
- (ii) The Nagarjuna Sagar Project Canal is manmade unlined canal used for irrigation purposes and water is released only during the season. The following

- precautionary measures will be implemented to prevent the damage to the canal due to blasting operations of the proposed Mine. The number of rows in blast round will be restricted to a maximum of three. The maximum number of blastholes per round will be restricted to a maximum of 65 and maximum depth of hole will be 10m if the blasting is within 200 meter away from the canal. The Burden x Spacing pattern of 3m x 6.5m will be used. Blastholes will be drilled vertically. Sequential blasting with Nonels will be used.
- (iii) An approach way (cattle path) to the fields is existing in Eastern side and outside of the mining lease area. Since this approach way is falling within the blasting zone, the following precautionary measures will be implemented (a) to reduce the ground vibration and fly rock due to blasting operations and (b) further the following necessary precautions will be taken for the safety of the users as prescribed in Regulation 164 of Metalliferous Mines Regulation, 1961. All the necessary safety precautions will be implemented and necessary permissions will be obtained for conducting blasting operations as per MMR, 1961.
  - (iv) It was clarified by the PP that the proposed Choutapalli Limestone Mine-II mining lease area of 156.58 ha consists of 151.163 ha of Patta Land and 5.423 ha of Government Land. The land was purchased by MHIL from 110 land givers on mutual agreement. Full compensation for the land has been paid to land givers as per mutual agreement and total land is under MHIL position. There are no structures/ habitation / human settlements within the proposed mining lease area. Land was purchase on mutual agreement from the land givers prior to the Land Acquisition and R&R Act 2013 and does not attract any R&R issues; hence R&R plan is not applicable.
  - (v) Conceptual post mining plan of land use of the proposed mine was submitted.
  - (vi) It was mentioned by PP that the groundwater table is likely to intersect in the bottom section of 4<sup>th</sup> bench i.e., at 30 meters depth during 2<sup>nd</sup> Five years mining plan. Application for mine dewatering ground water has been submitted to Central Ground Water Board (CGWB), Hyderabad on 15<sup>th</sup> July 2015. The proposal recommended by the CGWB, Hyderabad to the Central Ground Water Authority, New Delhi. CGWA, New Delhi advised to submit application at the time of intersection of water table, as NOC is initially accorded for 2 year only as per the CGWA guidelines, whereas water table is likely to intersect during 2<sup>nd</sup> five year mining plan. vide letter No.21-4(297)/SR/CGWA/2015-1771 dt. 23.11.2015.

The Committee deliberated at length the information submitted by the proponent and the presentation made by the proponent and based on the discussion held the Committee **recommended** the proposal for Environmental Clearance.

**(2.8). J-11015/393/2010-IA.II(M)SadanandapuramManganese Ore Mine of M/s Rai Bahadur Seth Shreeram Durgaprasad & Fatechand Narasingdas located at Village Sadanandapuram, mandal Gurla, District Vizianagaram, State Andhra Pradesh.**

The Mine site is located at Sadanandapuram Village, Gurla Mandal, Vizianagaram District of Andhra Pradesh with an average elevation of 100 m above msl. The site falls between Lat-Longs a) 18° 16' 01"N - 83° 32' 21.48" E, b) 18° 15' 27.43" N - 83° 33' 1.12" E, c) 18° 14' 53.45" N - 83° 33' 22.37" E and study area falls within the Survey of India Toposheet No.65N/11.

The proposal was considered for TOR by the Expert Appraisal Committee in its meeting held during 23-25 February, 2011. The Terms of Reference was issued by MoEF for carrying out the Environmental Impact Assessment study vide letter No. J-11015/393/2010-IA.II (M) dated 28/03/2011. Area of the mining lease is 56.838 Ha. Present land use of the mining lease area is 10.44 Ha - under mining activities, 8.805 Ha – area used for green belt development, 6.726 Ha –dumping site. The proposal is to increase the Manganese Ore production from 0.022 TO 0.10 MTPA by adopting semi-mechanized open cast mining method. The Mining plan is approved by IBM vide Letter no. AP/VZNR/MS-104/Hyd dated 14.03.2011.

Mining will be limited to a maximum depth of 57 m. The mining will be carried out by forming benches. The bench height is proposed to be kept at 1.5 m in ore and the width also as 1.5 m and 3 m in OB. The in situ ore is soft and friable and hence no blasting is required. Since most of the ore is occurring as fines it will be directly mined and loaded into the tippers to be transported to the mineral yard. In the yard proper blending of ore is done as per the requirement of the buyer and then dispatched to the respective destinations. It is estimated that about 10% of ore will be Sub grade and 10% is considered as mineral rejects. It is proposed to dump the sub grade and mineral rejects in separate dump yards, so that it can be utilized in future.

During the entire tenure of mining in this lease area, a total of about 1.12 million tonnes of waste will be generated and will be dumped into the exhausted pits. The waste material generated by mining operations was dumped over an area of 6.72 ha. The water is required mainly for dust suppression, greenbelt development, drinking and other domestic purposes. At present, the total water consumption in the Sadanandapuram Manganese mine is 10 m<sup>3</sup>/day. Additionally, 15 m<sup>3</sup>/day will be required for the proposed expansion. The water will be sourced from mine pit.

The water table is about 8-10m deep below the surface. Ultimate mining depth is 57 m. Mining operations will intersect ground water table. A detailed hydrogeological study was done and the report was submitted along with final EIA Report to MOEF. It was reported by the Project Proponent 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.

Baseline studies were carried out during Winter season of 2011-12. The Public Hearing for the Proposed Project was conducted on 21.11.2012. The estimated capital budget for proposed increase in the production of Manganese Ore from 0.022 to 0.1 MTPA, from Sadanandapuram Manganese Mines and that 9.5 lakh is budgeted for implementing the Environmental Management Plan. It was informed by the PP that no litigation is pending against the project.

The proposal was considered in the EAC meeting held during April 29-30, 2014. It was noted that the Compliance report of the earlier EC was not satisfactory. Therefore, the Committee decided to defer the proposal and that to be resubmitted with compliance report of the earlier EC. On submission of the certified compliance report, the proposal was considered in the June 24-26, 2015 meeting of EAC. It was noted by the Committee that ground water table was intersected without taking permission from the CGWA. Earlier EC was granted with the condition that permission



from CGWA shall be obtained for intersecting the ground water table. The Committee therefore decided to **defer** the proposal, to be brought back only when the following are submitted:

- (i) The permission from the CGWA for intersecting the ground water table.
- (ii) The conservation plan for schedule-I species including wild bear.
- (iii) Detailed proposal for development of Green Belt, integrating the concern for conservation of native species.

The replies to the above points were submitted to MOEF&CC through online submission. The proposal was considered in the present meeting and it was noted that the information submitted was not satisfactory therefore the Committee was of the view that the following information shall be resubmitted:

- (i) The permission from the CGWA for intersecting the ground water table.
- (ii) Earlier EC was granted with the condition that permission from CGWA shall be obtained for intersecting the ground water table, however, ground water table was intersected without taking permission from the CGWA an explanation in this regard shall be submitted.
- (iii) The conservation plan for schedule-I species including wild bear.
- (iv) Detailed proposal for development of Green Belt, integrating the concern for conservation of native species.

The Committee decided that the Proposal be **deferred** till the aforesaid information is submitted.

**(2.9).J-11015/90/2014-IA.II(M) Mining of River Sand (Minor Mineral) in the Mines of "Mahendergarh Unit-1" with production capacity of 0.12 million m<sup>3</sup> of River Sand (ROM) by M/s Om Minerals located at Tehsil – Narnaul, District – Mahendragarh, Haryana (43.36 ha.)**

The proposal of M/s Om Minerals is for Mining of River Sand (Minor Mineral) in the Mines of "Mahendergarh Unit-1" with production capacity of 0.12 million m<sup>3</sup> of River Sand (ROM) in 43.36ha mine lease. The mine lease area is located near 3 revenue villages falling under Tehsil-Narnaul, District-Mahendergarh, Haryana. The lease area lies in the course of River Chandrawati. The Latitudes and Longitudes of Mine lease area are North 27°54'48.33"N to 27°57'1.60" and East 75°55'46.24"E to 75°57'06.94" E on Survey of India toposheet (OSM) numbers 45M13, 54A/1, 44P/16, H43W4. The Project is located in Seismic zone-III. It was informed that project was considered as category 'A' project as the mine site is located at 0.5 km from the interstate boundary of Haryana and Rajasthan. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not applicable for sand mining projects. The proposal was considered in the Ministry as it was a reconsideration case and additional information was submitted before the notification was published.

The proposal was considered by the Expert Appraisal Committee in its 19<sup>th</sup> Meeting held during April 29-30, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEF vide letter No. J-11015/90/2014-IA.II (M) dated 17.09.2014. The proponent submitted Final EIA/EMP to

the Ministry on 21.4.2015 for seeking environmental Clearance after conducting Public Hearing.

The mine lease area 43.36ha in Chandrawati River (dry river bed). The land use of the lease area is Govt. waste land *i.e.* Gair Mumkin Nadi Nallah. No forest land is involved. The Letter of Intent (LoI) of mining lease was granted to M/s Om Minerals on 03.01.2014 for 7 years by Director, Department of Mines & Geology, Haryana vide letter No. Glg/Hy/MGR/Cont/Unit-1/2013/143 dated 03.01.2014. The Mining Plan is approved by Director, Mines and Geology, Govt. of Haryana; vide letter no. DMG/HY/Cont/MGR unit 1/M.Plan/590 dated 20/02/2015.

Mine working will be opencast by semi-mechanized method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit. The total water requirement is 15 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply from existing borewells/ tube wells of nearby villages. No ground water interception during the mining operations is envisaged as ground water table 45m bgl. The percentage of replenishment is around 15% every year. The maximum depth of mining in the riverbed will not exceed 3m from the un-mined bed level at any point of time with mining restricted to the central 3/4<sup>th</sup> width of the river. A safety margin of 2m shall be maintained above the ground water table and no mining operation shall be permitted below this level.

The Project Proponent reported that mining will be done leaving a safety distance from the banks. No ponding will take place. Mining will be done only during day time and completely stopped in monsoon season. The site elevation is 339.70 to 341 m RL Project Proponent reported that there will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 8 per day (20 tonnes capacity each) which increase 24 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). Baseline data has been collected from Pre-Monsoon (March to May 2014) and Post-Monsoon (October 2014) season, 2014 within 10 Km radius of the study area as directed in committee members. All the parameters for water, soil, noise and air quality were within permissible limits.

The Public Hearing for the proposed Project was conducted on 17-12-2014 at 3:00 pm at Village – Nangal Kalia, Tehsil- Narnaul, District Mahendergarh, Haryana. The Public Hearing was presided over by Shri R. S. Varma, Additional Deputy Commissioner District-Mahendergarh, Haryana. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, village development activities and do not harm nearby fields and social development of village.

The capital cost of the project is Rs. 25.0 Lakhs; cost for Environmental Protection is Rs. 7.0 Lakhs; Budget for biodiversity conservation is Rs. 2.0 Lakhs spread over 5 years and cost for CSR will be Rs. 8.0 Lakhs/annum. The Project Proponent has also made a submission that the Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed its orders dated 17.12.2013 that the same shall be subject to- final outcome of above said CWP. Accordingly, the acceptance /LOI was issued to the outcome of said case. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

The Committee noted that Mine Plan approved by Department of Mining & Geology, Haryana vide letter dated 20.02.2015 and the Public Hearing was held during 17.12.2014 i.e. prior to approval of the Mine Plan. Thus the Public was informed about the Mining Proposal with a draft Mine Plan only. In this context, Mines and Geology Department, vide letter dated 03.06.2015 has certified that the Draft Mining Plan and final mining plan submitted and approved has no material changes except certain typographical corrections and formatting.

The Proposal for EC was considered in the EAC meeting held during August 25-27, 2015. The Committee after detailed deliberations deferred the proposal and sought the following information/clarifications:-

- (i) The Committee noted that the PP has not submitted the adequate compliance on TOR 34 & 35 w.r.t. occupational health impacts and public health implications. Needs to be revised and resubmitted.
- (ii) The Committee noted that there are very sensitive issues raised during Public Hearing viz. acute scarcity of water, illegal mining, activities of theft, misbehavior with ladies during mining activities, loss of drinking water due to mining, nuisance due to transportation; however PP has not adequately addressed in the Action Plan along with budgetary provisions on the issues raised during Public Hearing;
- (iii) The Committee noted that the PM<sub>10</sub> value were nearly to the Standard i.e. 95.4 µg/m<sup>3</sup> at Dabla village; 95.2 µg/m<sup>3</sup> at Palra village; 94.1 µg/m<sup>3</sup> at Tonda village. In this context, the EAC is of the view that PP needs to submit the action plan for mitigation of the Particulate Matter;
- (iv) Disaster management plan is not adequate and needs to be revised;
- (v) TOR compliance no. 46 w.r.t. impact on mining on plankton was not addressed properly;
- (vi) The Committee observed that the PP has earmarked Rs. 1.0 Lakh for plantation including maintenance which is very less. The revised cost needs to be submitted along with places of plantation to be done.

On submission of information the proposal was considered in the present meeting. The PP submitted the following information:

- i. With regard to non-compliance with ToR No.34, detail about Occupational Health impacts, person protective measures, pre-placement medical examination and periodical medical examination schedules, management plan were provided and protective measures were proposed for OHS. Regarding ToR No.35, the PP submitted the details of Public health implications due to this mining activity and the remedial measures to control it. The PP has proposed Rs. 30,60,000 per annum for OHS.

- ii. A revised Action plan along with revised budgetary provisions on the issues raised by the Public was submitted which mainly included Rs. 2.25 lakhs per annum for sanitation and drinking water.
- iii. With regards to the value of PM<sub>10</sub>, the PP was submitted the revised action plan for mitigation of the particulate matter. Budget for the plantation, water sprinkling, haul road maintenance has been revised such that PM<sub>10</sub> level remains within prescribed limits.
- iv. A revised Disaster management plan was submitted by PP along with mitigation measures.
- v. Regarding ToR No.46, the PP stated that the Chandrawati River is completely dry and the water comes during heavy rain or due to flood in the region which was not observed since a long time of more than 20 years. There was no aquatic flora or fauna was observed during the study period. Hence no plankton study was required.
- vi. The amount for plantation including greenbelt maintenance has been revised from 1 lakh to 1.5 lakhs.

The Committee deliberated at length the information submitted by the project and the presentation made by the proponent and based on the discussion held the Committee **recommended** the proposal for grant of Environmental Clearance.

#### **AMENDMENT OF TOR:**

**(2.10).J-11015/228/2014-IA.II(M) Telighana Limestone & Dolomite Mine, M/s Om Ganesh Minerals located at Village – Telighana Main Road, Rajgangpur, District Sundergarh, Odisha (106.833 ha.)**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

#### **EXTENSION OF VALIDITY OF TOR**

**(2.11). J-11015/73/2012-IA.II(M) HarudiKharai Limestone Mining Project with enhancement of production capacity from 1.505 Million TPA to 5.0 Million TPA by M/s UltraTech Cement Ltd. (Unit: Sewagram Cement Works), located at Village(s) – harudi&Kharai, Taluka – Lakhpat, District – Kachch, Gujarat (M.L Area: 659 ha)**

The TOR to the project was prescribed for expansion of production capacity vide letter no. J-11015/73/2012-IA.II(M) dated 07.03.2013. The extension of validity of TOR for one year and change of name from Jaypee Cement Corporation Limited to Ultratech Cement Limited was issued on 31.07.2015. The PP submitted that approval of modified scheme of mining for proposed expansion in production capacity is under process with IBM, therefore public hearing documents have not been submitted yet. Therefore, further one year validity extension of TOR was requested by PP.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for further one year i.e. **from 07.03.2016 to 06.03.2017.**

**(2.12). J-11015/460/2012.IA.II(M) Malkapuram Dolomite Mines with production capacity of 4.0 LTPA of M/s Sri Balaji Works, Village Malkapuram&Kochervu, District Kurnool, Andhra Pradesh (73.113 ha.)**

The TOR to the project was prescribed vide letter dated J-11015/460/2012-IA.II(M) dated 30.04.2013. The PP has sought the extension of validity of TOR to the outer limit of 4 years.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR to the outer limit of two year i.e. **from 29.04.2015 to 30.04.2017.**

**(2.13). J-11015/445/2012.IA.II(M) Ingaldhal Underground Copper Mine (North Block) with production capacity of 250 TPA of M/s The Hutti Gold Mines Co. Ltd., Village Kunchiganahalu, Tehsil & District Chitradurga, Karnataka (157.83 Ha)**

The TOR to the project was prescribed vide letter dated J-11015/445/2012-IA.II(M) dated 30.04.2013. The PP has sought the extension of validity of TOR to the outer limit of 4 years due to delay in conducting the public hearing.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR to the outer limit of two year i.e. **from 29.04.2015 to 30.04.2017.**

**(2.14). J-11015/446/2012.IA.II(M) Renewal of Ingaldhal Underground Copper Mine (250 TPD) along with Beneficiation Plant (500 TPD) of M/s The Hutti Gold Mines Co. Ltd. Village Ingaldhal, Tehsil & District Chitradurga, Karnataka (259.10 ha)**

The TOR to the project was prescribed vide letter dated J-11015/446/2012-IA.II(M) dated 13.05.2013. The PP has sought the extension of validity of TOR to the outer limit of 4 years due to delay in conducting the public hearing.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR to the outer limit of two year i.e. **from 12.05.2015 to 13.05.2017.**

**(2.15). Sansibanathpur-Musaposh Pyroxenite Mines of M/s ShriGautam Singh located at Village-Sansibanathpur&Musaposh under Bonai Tehsil, in the district of Sundergarh of Odisha State (69.011 ha.) IA/OR/MIN/49690/2016**

The Pyroxenite Mines of Sri Gautam Singh located at village- Sansibanathpur & Musaposh under Bonai Tehsil in Sundergarh district of Odisha. The Latitude and Longitude of the site is  $21^{\circ} 47' 54''$  to  $21^{\circ} 48' 22''$  N &  $84^{\circ} 51' 14''$  to  $84^{\circ} 52' 01''$  E. (Topo Sheet No. 73C/13).

The Mining Lease was granted on 07.03.2005. Total mining lease area of 69.011 hectares is non-forest land. The mining plan of this lease area was approved by

Directorate of Mines, Odisha under rule 22(4) of M.C. Rules-1960 vide letter no. M-xxx-6/05.2622/DM dated 02.03.2006 for the maximum production of 100, 000 TPA. The estimated geological reserve under all (proved, probable & possible) categories is 333,37,500 MT and mineable reserve is 224,90,730 MT. Open cast manual method will be adopted on single shift basis with the deployment of Jack hammer, Air Compressor, Tippers, drilling & blasting etc.

Total water requirement for the proposed project is about 25 m<sup>3</sup>/day. The mining will not intersect the ground water table. It was reported by PP that there is no national park, wild life sanctuary, eco-sensitive areas and Tiger Reserve situated within 10 Kms from the lease area. The following R.F & water bodies are situated within 10Kms from the periphery of the lease area. Porhaghot RF - 2.5Km NW , Beladihi-Bijakurhi RF - 1.8 Km SE , Dakamunda RF - 6.0 Km SW, Kendrikala RF- 6.0 Km E, Kelo RF - 6.5 Km SE, Nalaghati Rajabasa RF - 8.0 Km NW, Bharimara RF - 8.0 Km SW, Gurundia RF - 9.0 Km W, Brahmani River - 5.5 Km N, Rukurha Nala - 2.0 Km W.

The total cost of the project will be 60.0 Lakhs (approx.). There is no court case /litigation pending against the project. The Project Proponent mentioned that they had started collection of base line data since March 2016 and requested to monitor the baseline data on pre-monsoon season i.e. **March-May 2016**. The Committee deliberated the issues and based on the request made by the Project Proponent w.r.t. collection of base line data, the Committee agreed for the same.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.16). Silica sand mine of M/s. Esmo Trading Corporation is located at Village -Lore,Tahsil-ankavli, District-Sindhudurg, Maharashtra (51.07.99 Ha) IA/MH/MIN/37918/2016**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.17).Colour granite quarry of M/s Vaishnav Granites located in Sy. No. 121 (Govt. Waste land), Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 20.0Ha; 24,000 m/year) IA/AP/MIN/50143/2016**

The proposed lease area of 20.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/2 between the co-ordinates of North Latitude 18° 44' 45.80" to 18° 45' 05.72" and East Longitude 83° 14' 39.68" to 83° 15' 00.17". The nearest village is Boddavalasa located at a distance of 1.1km from the proposed lease area in East direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 16km in SE direction and Parvathipuram at 19.7km in ENE direction. Keshali Protected Forest is at 2.5km in WNW, Duggeru Reserve Forest is at 4km in West, Ulubarhi PF is at 4.6km in NW, Kaspavalasa RF is at 3.7km in NNE, Sangamvalasa RF is at 5km in NE, Janthikonda

RF is at 3.6km in East, Ansabadra RF is at 3.9km in SE. Gomukhi rivulet is at 6.5km in SE direction and Suvarnamukhi rivulet is at 7.5km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 8.3km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 2km from the proposed quarry lease boundary in West direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 120 Lakhs and Cost estimated for EMP is Rs. 13 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.18).Colour granite quarry of M/s Sudhir Granites located in Sy. No. 121 (Govt. Waste land),Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 10.0Ha; 12,000 m/year) IA/AP/MIN/50142/2016**

The proposed lease area of 10.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/5 between the co-ordinates of North Latitude 18°45'18.84" to 18°45'33.91" and East Longitude 83°14'54.35" to 83°15'9.68". The nearest village is Sangamdoravalasa located at a distance of 0.9km from the proposed lease area in NE direction and Betratonki is at 1.1km in NW direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 16km in SE direction and Parvathipuram at 18.5km in ENE direction. Keshali Protected Forest is at 2.1km in NW, Duggeru Reserve Forest is at 4.5km in WSW, Ulubarhi PF is at 4.5km in NW, Kaspavalasa RF is at 3.0km in NNE, Sangamvalasa RF is at 4.1km in NE, Janthikonda RF is at 3.2km in ESE, Ansabadra RF is at 4.0km in SSE. Gomukhi rivulet is at 6.7km in SE direction and Suvarnamukhi

rivulet is at 7.8km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 8.4km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 1.3km from the proposed quarry lease boundary in North direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are morethan 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 80 Lakhs and Cost estimated for EMP is Rs. 10 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification inter-alia mentioned about Preparation of District Survey Report; Categorization of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.19). Colour granite quarry of M/s Namratha Granites located in Sy. No. 121 (Govt. Waste land),Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 26.0Ha; 24,000 m/year) IA/AP/MIN/50138/2016**

The proposed lease area of 26.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/2 between the co-ordinates of North Latitude 18° 44' 40.2" to 18° 45' 05.1" and East Longitude 83° 13' 45.1" to 83° 14' 9.8". The nearest village is Betratonki located at a distance of 1.4km from the proposed lease area in NE direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 17km in SE direction and Parvathipuram at 21km in ENE direction. Keshali Protected Forest is at 1.4km in NW, Duggeru Reserve Forest is at 2.5km in West, Ulubarhi PF is at 3.5km in NW, Kaspavalasa RF is at 4.5km in NE, Sangamvalasa RF is at 6.1km in NE, Janthikonda RF is at 5.1km in East, Ansabadra RF is at 3.5km in SE. Gomukhi rivulet is at 7.0km in SE direction and Suvarnamukhi rivulet is at 8.5km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 9.4km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 0.5km from the proposed quarry



lease boundary in NW direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 145 Lakhs and Cost estimated for EMP is Rs. 20 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification inter-alia mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.20). Colour granite quarry of M/s Isha Granites located in Sy. No. 121 (Govt. Waste land), Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 26.0Ha; 24,000 m/year) IA/AP/MIN/50135/2016).**

The proposed lease area of 26.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/2 between the co-ordinates of North Latitude 18° 44' 34.2" to 18° 45' 1.4" and East Longitude 83° 14' 28.21" to 83° 14' 49.51". The nearest village is Betratonki located at a distance of 1.4km from the proposed lease area in North direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 16km in SE direction and Parvathipuram at 19.5km in ENE direction. Keshali Protected Forest is at 2.1km in NW, Duggeru Reserve Forest is at 3.5km in West, Ulubarhi PF is at 4.2km in NW, Kaspavalasa RF is at 4.2km in NE, Sangamvalasa RF is at 5.2km in NE, Janthikonda RF is at 4.1km in East, Ansabadra RF is at 3.2km in SE. Gomukhi rivulet is at 6.2km in SE direction and Suvarnamukhi rivulet is at 7.9km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 8.4km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 1.4km from the proposed quarry lease boundary in NW direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 130 Lakhs and Cost estimated for EMP is Rs. 15 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification inter-alia mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.21). Colour granite quarry of M/s Divya Granites located in Sy. No. 121 (Govt. Waste land), Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 20.0Ha; 25,000 m/year) IA/AP/MIN/50132/2016**

The proposed lease area of 20.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1, N/2, N/5 & N/6 between the co-ordinates of North Latitude 18° 44' 51.61" to 18° 45' 5.72" and East Longitude 83° 14' 52.64" to 83° 15' 9.76". The nearest village is Boddavalasa located at a distance of 1.0km from the proposed lease area in ESE direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 15.5km in SE direction and Parvathipuram at 19.4km in ENE direction. Keshali Protected Forest is at 2.8km in WNW, Duggeru Reserve Forest is at 4.5km in West, Ulubarhi PF is at 4.8km in NW, Kaspavalasa RF is at 3.8km in NNE, Sangamvalasa RF is at 4.7km in NE, Janthikonda RF is at 3.2km in East, Ansabadra RF is at 3.3km in SE. Gomukhi rivulet is at 6.2km in SE direction and Suvarnamukhi rivulet is at 7.1km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 8.0km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 2.1km from the proposed quarry lease boundary in NNE direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no

court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 130 Lakhs and Cost estimated for EMP is Rs. 15 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification inter-alia mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.22). Colour granite quarry of M/s Bharathi Granites located in Sy. No. 121 (Govt. Waste land), Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 9.0Ha; 11,837 m/year) IA/AP/MIN/50130/2016**

The proposed lease area of 9.0ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/2 between the co-ordinates of North Latitude 18° 44' 54.9" to 18° 45' 13.2" and East Longitude 83° 13' 53.3" to 83° 14' 9.2". The nearest village is Betratonki located at a distance of 1.0km from the proposed lease area in NE direction and Galivalasa is at 2.1km in SW direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 17km in SE direction and Parvathipuram at 21km in ENE direction. Keshali Protected Forest is at 1.2km in NW, Duggeru Reserve Forest is at 2.6km in West, Ulubarhi PF is at 3.5km in NW, Kaspavalasa RF is at 4.3km in NE, Sangamvalasa RF is at 5.8km in NE, Janthikonda RF is at 5.0km in East, Ansabadra RF is at 3.7km in SE. Gomukhi rivulet is at 6.6km in SSE direction and Suvarnamukhi rivulet is at 8.5km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 9.1km in SE direction. Orissa and Andhra Pradesh interstate boundary is at 0.6km from the proposed quarry lease boundary in NW direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 75 Lakhs and Cost estimated for EMP is Rs. 8 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification inter-alia mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

**(2.23). Colour granite quarry of M/s Aditya Rocks located in Sy. No. 121 (Govt. Waste land), Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh (ML Area: 15.16Ha; 6000 m/year) IA/AP/MIN/50124/2016**

The proposed lease area of 15.16ha is located in Sy. No. 121, Buduruvada Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The mine lease area falls in the Survey of India topo sheet no. 65N/1 & N/5 between the coordinates of North Latitude 18°45'3.84" to 18°45'25.88" and East Longitude 83°14'59.56" to 83°15'16.19". The nearest village is Sangamdoravalasa located at a distance of 0.9km from the proposed lease area in NE direction. The village is well connected to Mandal headquarter i.e. Parvathipuram through Tallaburidi village by Pukka road. The proposed lease area is also connected to Bobbili town through Makkuva village by road. The nearest railway station is Sitanagaram at 15.8km in SE direction and Parvathipuram at 19.1km in ENE direction. Keshali Protected Forest is at 2.7km in WNW, Duggeru Reserve Forest is at 4.7km in WSW, Ulubarhi PF is at 4.7km in NW, Kaspavalasa RF is at 2.7km in NNE, Sangamvalasa RF is at 4.0km in NE, Janthikonda RF is at 3.0km in East, Ansabadra RF is at 3.6km in SSE. Gomukhi rivulet is at 6.4km in SE direction and Suvarnamukhi rivulet is at 7.5km in SE direction and both the streams are joins into Suvarnamukhi River at Sirlam Village at 8.1km in SE direction. Orissa and Andhra Pradesh inter state boundary is at 1.4km from the proposed quarry lease boundary in North direction. There are no national parks, wildlife sanctuaries and critically polluted areas observed in 10km radius of the proposed mine lease area.

The proposed lease area falls into a cluster area of 126.16Ha with 7 proposals and the Interstate border of Andhra Pradesh and Orissa is falling within 5km radius. Two of the lease areas within the cluster area are more than 25.0ha. There is no court case/litigation pending against the project. Total cost estimated for the proposed project is Rs. 75 Lakhs and Cost estimated for EMP is Rs. 10 Lakhs.

The Member Secretary apprised the Committee that the Ministry of Environment, Forest and Climate Change has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016. The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

The Committee deliberated the issues and was of the view that the project proponent first needs to revise the application i.e. Form 1/ Form 1M and PFR as per amendments in EIA Notification, 2006 made in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and resubmit the application along with district survey report to the concerned authority i.e. MoEFCC / SEIAA/ DEIAA so that the mining project may appraised accordingly.

### **Day 2 -22<sup>nd</sup> March 2016**

#### **(2.24): Benti-Bagda Limestone Mine with production capacity of 60,000 TPA by M/s Jharkhand State Mineral Development Corporation Ltd., located at Bagda & Benti, Block – Kanke, District – Ranchi, Jharkhand (MLA 135.508ha) (Consultant: Global Experts) – Consideration of EC**

The proposal of M/s Jharkhand State Mineral Development Corporation Ltd. is for Benti-Bagda Limestone Mine with production capacity of 60,000 TPA in the mine lease area of 135.508ha. The mine is located at Village - Bagda & Benti, Block – Kanke, District – Ranchi, Jharkhand. The Latitudes and Longitudes of the mine lease area are 23°34'55"N to 23°35'16"N and 85°13'53"E to 85°15'00"E on the Survey of India Topo Sheet No. 73E/3.

The Terms of Reference (ToR) was issued by MoEF&CC vide letter No.J-11015/272/2013-IA.II (M), dated 27<sup>th</sup> October, 2015. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance.

The total mine lease area is 135.508ha. Out of which 35.799ha is Agricultural land, 38.299ha is Forest land, 16.34ha is Waste land, 6.939ha is surface water bodies and Others Barriers is 38.131ha. Method of mining is Open cost mechanized. Life of mine is 130 years. Water requirement is 14 KLD. The Project Proponent has informed that Bihar State Mineral Development Corporation Ltd. (BSMDC Ltd.) has obtained Mining Lease and opened Benti-Bagda Limestone Opencast Mine in 1975. The lease was granted for a period of 20 years. On formation of Jharkhand State in 2000 and inception of Jharkhand State Mineral Development Corporation Ltd., the lease for the mine was transferred to M/s JSMDC Ltd. Mining in past has been confined to only 19.404 ha including 9.073ha of forest land which was degraded prior to enactment of the Forest Conservation Act, 1980. Forest Land (9.073ha) degraded by project activities have been regularized by the MoEF. The Project Proponent has continued the mining operation from 1976 – 1977 to 2004-05 and reported that the production of mineral has not

increased after 1994. The mining operation was closed in December 2004. Mining Scheme has been approved by IBM RAN/RNC/LST/MS-04/12-13 dated 31/01/2013.

Project Proponent reported that there is no National Park/Wildlife Sanctuary/Biosphere Reserve/Elephant Corridor/Tiger Reserve is located within 10 km radius of the mine lease. Project Proponent has reported that there is no Schedule I species in the study area. The baseline data was generated for the period during December 2012 to February 2013. All the parameters for water and air quality were discussed by the EAC.

The Public Hearing for the proposed project was conducted on 05.04.2010. The Public Hearing was presided over by Shri Bhogendra Baski, Additional Collector Ranchi. The issues raised during the Public Hearing were also considered and discussed during the meeting. The Project Proponent has reported that the Ministry has earlier accorded TOR, vide No. J-11015/827/2007/IA.II (M), dated 15.04.2008. Project Proponent has conducted baseline data and Public Hearing and submitted the EIA/EMP Report to the Ministry. The EC proposal was considered by the EAC in its meeting held during November 2011. The Committee noted that the Mining Plan was not approved by IBM and advised to submit the Report after approval of Mining Plan. The PP had submitted the revised EIA/EMP Report, but the validity of TOR was expired and accordingly, the PP requested to issue the fresh TOR. The Ministry has again issued the fresh TOR on 27<sup>th</sup> October, 2015. The PP requested to use the baseline data and Public hearing for this mining project. The Committee deliberated and accepted the request of PP.

The total cost of the project is Rs. 230 Lakhs. Project Proponent has earmarked the EMP cost @ Rs. 55 lakhs towards capital cost and Rs. 10 lakhs per annum towards recurring cost. Project Proponent has earmarked Rs. 512 lakhs for implementation of mine closure plan. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended the Proposal** for Environmental Clearance for **Benti-Bagda Limestone Mine with production capacity of 60,000 TPA subject to submission of Stage I FC for diversion of forest land.**

The Committee also **recommended additional specific conditions** viz. (i) Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"; (ii) Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighborhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/surface miners etc. should be seriously considered and practiced

wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority. (iii) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; (iv) The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres; (v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (vi) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical check-up once in six months and necessary medical care/preventive measures undertaken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers should also be adopted; (vii) Implementation of Action Plan on the issues raised during the Public Hearings shall be ensured. The Project Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (viii) Project Proponent has not obtained the necessary permission from the CGWA for intersecting ground water table. The Committee deliberated and is of the view that intersecting the ground water table can only be commence after conducting detailed hydrogeological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (ix) The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon; and (x) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.

**(2.25): Mining of Mineral Sand *Bajri* and Boulder (Minor Mineral) from River Yamuna Lot No-21/1 with proposed production capacity of 8,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam Ltd., located Uttarakhand at Village:Dakpathar, Nawabgarh, Mandi Gangbhewa & Bhimawala Tehsil: Vikasnagar & District: Dehradun, Uttarakhand (MLA:123.19 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC**

The proposal of M/s Garhwal Mandal Vikas Nigam Ltd., Uttarakhand is for mining of Sand, *Bajri* and Boulder (Minor Mineral) with proposed production capacity of 8,00,000 TPA (ROM) of Sand, *Bajri* and Boulder in the mine lease area of 123.19ha. The mine is located at Village: Dakpathar, Nawabgarh, Mandi Gangbhewa & Bhimawala, Tehsil: Vikasnagar, Dehradun, Uttarakhand. Project is located in 2 Blocks *i.e.* Block A and Block B. The Latitudes and Longitudes of the mine lease area lies in Yamuna River bed (Block A) 30°29'31.67"N to 30°28'36.98"N and 77°46'43.99"E to 77°44'50.28"E & (Block B) 30°28'22.76"N to 30°28'12.43"N and 77°43'49.89"E to 77°43'17.89"E on Survey of India toposheet numbers 53F11 & 53F15 (Site), 53F14, 53F10. The Project is located in Seismic zone-IV.

The proposal of Terms of Reference (ToR) was considered by the EAC in its 8<sup>th</sup> Meeting held on 26<sup>th</sup>-28<sup>th</sup> June, 2013 to determine the ToR for undertaking detailed EIA study. The ToR was issued by MoEF&CC vide letter No. J-11015/130/2013-IA.II (M), dated 22<sup>nd</sup> August, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 123.19 ha which is on Yamuna River. No forest land is involved. Letter of Intent (LoI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 123.19 ha has been granted by Department of Geology and Mining, Directorate of Industry Dehradun, vide letter no. 589/ Bhu.Khani/2012-13 dated 23<sup>rd</sup> January, 2013 for the period of 5 year. The Mining Plan has been approved by the Department of Geology and Mining, Directorate of Industry Dehradun, vide letter no. 2200, dated 03.03.2015.

Method of Mining will be opencast manual. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the ground water level of the River Channel whichever is reached earlier. The site elevation is 421 - 426 m AMSL. The Ground water depth is 2.52 m bgl in pre monsoon season and 2.29 m bgl in post-monsoon season. The total water requirement is 7.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, NOC from Gram Panchayat has been obtained in this regard. Project Proponent reported that mining will be done leaving a safety distance from the banks *i.e.* 15% of the width of the River from both the banks. Mining will be done only during day time and completely stop in monsoon season. No mining will be done in the zone of 100m on either side of the structure/bridge. Project Proponent reported that there will be



construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure.

Mineral will be transported by road. Project Proponent has made the Traffic Analysis survey and reported that 356 numbers of trucks will be deployed per day (10 tones capacity each). The total PCUs estimated is 2136 PCUs per day. The level of service (LOS) will change from "A to B". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Proponent reported that the project lies in Doon Valley Aasan Wetland Conservation Reserve lies approximate at a distance of 4.5 km in SW direction and the Simbalbara Wildlife Sanctuary lies approximate at a distance of 8.5 km in W direction. Project Proponent has informed that the application for NBWL Clearance has been submitted which is under approval. Further, the Project Proponent reported that there is no Schedule I species in the study area however schedule II species has been found, accordingly, the species specific conservation plan has been prepared which is under the process of approval by the Chief Wildlife Warden, Uttarakhand.

The baseline data was generated for the period during October, 2013 to December 2013. All the parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site. The Public Hearing for the proposed project was conducted on 10<sup>th</sup> July, 2014 at 11.00 a.m. at Rajkiya Purva Madhyamik Vidhyalaya, Enfield Grant, Vikasnagar, Dehradun, Uttarakhand: The Public Hearing was presided over by Shri Pratap Singh Shah, ADM, Dehradun, Uttarakhand. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The total cost of the project is Rs. 40.55 Lakhs. Project Proponent has earmarked the EMP cost @ Rs. 7.0 lakhs towards capital cost and Rs. 16.43 lakhs per annum towards recurring cost. Project Proponent reported that there is no litigation pending against the project.

Project Proponent has made Replenishment Study analysis based on Dandy Bolton's Replenishment Model and also mentioned that a proposal of replenishment study is under consideration which is to be carried out by FRI Dehradun. According to approved mine plan, the Total Reserve is 10558364.8 m<sup>3</sup> for 5 years and mineable reserve is 40,00,000 for 5 years. **The Committee deliberated the issues on Replenishment rate and is of the view that Project Proponent shall decrease/stop the mining of Mineral Sand *Bajri* and Boulder in case the replenishment of minerals is lower than the approved rate of production, till the replenishment is completed.**

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of **8,00,000 TPA (ROM)**.

The Committee also **recommended** additional specific conditions viz. (i) **Project Proponent shall decrease / stop the mining of Sand, Bajri and Boulder, in case the replenishment is lower than the approved rate of production, till the replenishment is completed;** (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Excavation will be carried out up to a maximum depth of **1.5 meter from surface of sand deposit and 1 meter above** from the water level of the River channel whichever is reached earlier; (iv) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (v) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (vi) The number of trips of the trucks shall not exceed the estimated quantity of **356 trucks (10 tonnes capacity) trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.26): Mining of Mineral Sand, Bajri & Boulder (Minor Mineral) of River Aasan Lot No. 14/3 Sand, Bajri & Boulder Mining project with proposed production capacity of 7,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam Limited, located at Village- Hasanpur & Jamanpur, Tehsil – Vikasnagar, District- Dehradun, Uttarakhand (MLA 88.61 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Consideration of EC**

The proposal of M/s Garhwal Mandal Vikas Nigam Ltd. is for mining of Sand Bajri and Boulder (Minor Mineral) with proposed production capacity of 7, 00,000 TPA (ROM). The mine lease area is located at Village: Hasanpur & Jamanpur, Tehsil: Vikasnagar, Dehradun. The mine lease area of 88.61 ha lies on Aasan River bed. The Latitudes and Longitudes of the mine lease area lies between Latitude: 30°21'25.77"N to 30°20'44.19"N, Longitude: 77°49'40.63"E to 77°51'25.19"E on Survey of India toposheet numbers 53F15 (Site). The Project is located in Seismic zone-IV.

The proposal of Terms of Reference (ToR) was considered by the EAC in its 9<sup>th</sup> Meeting held on 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the TOR for undertaking detailed EIA study. The ToR were issued by MoEF&CC, vide letter No.J-II015/178/2013-IA.II (M) dated 12<sup>th</sup> September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 88.61ha which is on Aasan River. No forest land is involved. Letter of Intent (LoI) for grant of mining lease for minor mineral Sand over an area of 88.61 ha has been granted from State Department of Geology and Mining, Directorate of Industry Dehradun, vide letter no. 589/Bhu.Khani/2012-13, dated 23<sup>rd</sup> January 2013 for the period of 5 years. The Mining Plan has been approved by the Department of Geology and Mining, Directorate of Industry Dehradun, vide letter no. 2219, dated 03.03.2015.

Method of Mining will be opencast manual. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the ground water level of the River Channel whichever is reached earlier. The site elevation is 500-492 m AMSL. The Ground water depth is 3.5 m bgl in pre monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 5.8 KLD including water demand for domestic purpose, dust suppression and greenbelt development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely stop in monsoon season. No mining will be done in the zone of 100m on either side of the structure/bridge. Project Proponent reported that there will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure.

Mineral will be transported by road. Project Proponent has made the Traffic Analysis survey and reported that 311 numbers of trucks will be deployed per day (10 tones capacity each). The total PCUs estimated is 933 PCUs per day. The level of service (LOS) will change from "A" to "B". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies within Doon valley. Further, the Project Proponent reported that there are no Schedule I species within the study area. The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 14<sup>th</sup> July, 2015 at Rajkiya Prathmik Vidhyalaya, Village-Jamanpur, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand. The Public Hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance), District - Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The total cost of the project is Rs. 28.8 Lakhs. Project Proponent has earmarked the EMP cost @ Rs. 6.5 lakhs towards capital cost and Rs. 13.3 lakhs per annum towards recurring cost. Project Proponent reported that there is no litigation pending against the project.

Project Proponent has made Replenishment Study analysis based on Dandy Bolton's Replenishment Model and also mentioned that a proposal of replenishment study is under consideration which is to be carried out by FRI Dehradun. According to approved mine plan, the Total geological Reserve is 11093480.46 tonnes and mineable reserve is 6570230.37 tonnes. **The Committee deliberated the issues on Replenishment rate and is of the view that Project Proponent shall decrease/stop the mining of Mineral Sand Bajri and Boulder in case the replenishment of minerals is lower than the approved rate of production, till the replenishment is completed.**

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of **7,00,000 TPA (ROM)**.

The Committee also **recommended** additional specific conditions viz. (i) **Project Proponent shall decrease / stop the mining of Sand, Bajri and**

Boulder, **in case the replenishment is lower than the approved rate of production, till the replenishment is completed;** (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Excavation will be carried out up to a maximum depth of **1.5 meter from surface of sand deposit and 1 meter above** from the water level of the River channel whichever is reached earlier; (iv) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (v) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (vi) The number of trips of the trucks shall not exceed the estimated quantity of **311 trucks (10 tonnes capacity) trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.27): Enhancement of Lakshmi Cement Limestone Mine with production capacity from 8.0 million TPA to 13.0 million TPA of limestone by M/s. J.K. Lakshmi Cement Ltd., located at village(s)- Basantgarh, Rampura, Rohida, Tehsil- Pindwara, District-Sirohi, Rajasthan (MLA: 390.625 ha) (Consultant: M/s JM EnviroNet Pvt. Ltd.)-Consideration of EC**

The proposal of M/s. JK Lakshmi Cement Limited is for enhancement of Lakshmi Cement Limestone Mine with production capacity from 8.0 million TPA to 13.0 million TPA of limestone in the mine lease area of 390.625 ha. The mine is located at village(s) Basantgarh, Rampura, Rohida, Tehsil-

Pindwara, District-Sirohi, Rajasthan. The Latitude and Longitude of the mine site falls between 24°40'47.08"N to 24°42'12.38"N and 73°00'10.09"E to 73°01'52.31"E respectively. Study area falls within the Survey of India Toposheet No. 45D/14 & 45 H/2. The Project is located in Seismic zone-III.

The proposal of Terms of Reference (ToR) was considered by the EAC in its 11<sup>th</sup> Meeting held during September 25-27, 2013 to determine the TOR for undertaking detailed EIA study. The ToR were issued by MoEF&CC, vide letter No.J-11015/266/2013-IA.II (M), dated 11<sup>th</sup> November, 2013. The Proponent submitted the EIA/EMP Report online on 09<sup>th</sup> November, 2015 to Ministry for seeking environmental clearance after conducting the Public Hearing. On examination it is noted that the PP has submitted old compliance report of earlier EC, accordingly an EDS (Essential Details Sought) was issued online on 18<sup>th</sup> November, 2015 to upload the latest EC certified compliance report. M/s JKLCL applied to MoEFCC Regional Office for certification of compliance report. The MoEFCC Regional Office has issued certified EC compliance report, vide letter No IV/ENV/R/Mine-218/328/2005, dated 09.02.2016 and the PP has submitted reply of EDS online on 13<sup>th</sup> February, 2016 and accordingly the Proposal is considered in this meeting. PP has informed that now the validity of TOR is for 3 years and can be extended by one year more. The Committee deliberated the issues related to the validity of TOR.

The Ministry had earlier accorded the Environmental Clearance for this mine for production capacity 8.0 million TPA vide letter no. J-11015/146/2006-IA.II (M), dated 24<sup>th</sup> January, 2007. The MoEFCC Regional Office has issued the certified EC compliance report, vide letter No IV/ENV/R/Mine-218/328/2005, dated 09.02.2016. The Committee deliberated the status of certified compliance report and is of the view that status of compliance is adequate.

The proposal is for enhancement of Lakshmi Cement Limestone Mine with production capacity from 8.0 million TPA to 13.0 million TPA of limestone. The mine lease area is 390.625 ha. Out of total mine lease 387.680ha is waste land and 2.94ha is agricultural land. The lease was issued in the name of JK Lakshmi Cement Ltd. and valid up to 07.10.2020. It was further extended by State Govt. up to 07.10.2030 as per Section 8 A of the MMDR Amended Act, 2015 and a letter is issued by the Mining Engineer, vide letter no ME/Sirohi/Major/ML/10/1999/1454, dated 16.02.2015. The Mining Scheme with Progressive Mine Closure Plan for 390.6245 ha area was approved by the Regional Controller of Mines, Indian Bureau of Mines, vide letter no. 584(6)(3)(589)/2014 RCM-AJM, dated 06<sup>th</sup> February, 2015.

Limestone Mining is being carried out by fully mechanized opencast method by use of Heavy Earth Moving Machines and deep hole drilling and blasting with large dia holes. At the conceptual stage, out of the total mining lease area (i.e. 390.625 ha), total mined-out area will be 224.57 ha out of which about 17.62 ha area will be used for bench slope afforestation and remaining 206.95 ha area will be developed as water reservoir. The limestone produced from the mine is being/will be sent to the Cement plant via covered conveyor belt. Total water requirement is 300 KLD. Project Proponent

reported that mining will intersect ground water table at the conceptual stage. However, the Project Proponent has not obtained the necessary permission from the CGWA before intersecting ground water table. The Committee deliberated and is of the view that intersecting the ground water table can only be commence after conducting detailed hydrogeological study and necessary permission from the CGWA.

The Project Proponent reported that there is no National Parks/Wildlife Sanctuaries/Biosphere Reserves/Wildlife Corridors/Tiger/Elephant Reserves are located within the 10 km study area of the mine lease. Letter along with authenticated location map has been obtained from the Dy. Conservator of Forests, Sirohi, vide letter no F5 /DCF/Survey/2015-16/2016, dated 14.01.2016. No forest land is involved in Mining lease area. List of flora and fauna has been authenticated from Forest Department, vide letter no F9/DCF/Misc./2014-15/8473, dated 08.09.2014. Three schedules-I species namely *Pavo cristatus* (Peafowl), *Panthera pardus* (Leopard), *Melursus pennant* (Sloth Bear) are recorded in study area. Detail conservation plan for the same has been prepared and the same has been forwarded to CWW by DCF, Sirohi, vide letter No F/Survey/DCFS/2015-16/337 dated 25.01.2016.

The Baseline data was collected for the period Winter Season i.e. December 2013 to February 2014. The analytical results of samples collected for all parameters were found within permissible limits. The Committee deliberated the baseline data presented by the Project Proponent. Public Hearing was conducted on 28<sup>th</sup> August, 2015 at Project Site of JK Lakshmi Cement Ltd. Village-Jaykaypuram, Tehsil- Pindwara, District- Sirohi, Rajasthan. The Public Hearing was presided over by Shri P. S. Naga, Additional District Collector, Sirohi. The representatives of the Rajasthan State Pollution Control Board, Pali were also present. The issues raised during Public Hearing were also considered and discussed during the meeting, which inter-alia, included source of Drinking water, impact on Gaucher land, impact of blasting, benefit of expansion project & providing assistance for employment. Action plan with budgetary allocation has been given against Points raised in Public hearing.

Total cost of the Project is Rs. 120 Crores. Capital Cost for environmental protection measures is Rs. 95 Lakhs and Recurring cost is Rs. 40 Lakhs per annum and Rs. 25 Lakhs for mine closure plan. Project Proponent has earmarked Rs.637.78 Lakhs towards CSR activities for next ten years w.r.t. sustainable livelihood, education & capacity building, health care, social reforms and community development. Project Proponent reported that there is no court case/litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended the Proposal** for Environmental Clearance for Enhancement of Lakshmi Cement Limestone Mine with production **capacity from 8.0 million TPA to 13.0 million TPA of limestone.**

The Committee also **recommended additional specific conditions** viz.  
(i) Project Proponent shall follow the mitigation measures provided in Office

Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"; (ii) Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighborhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority. (iii) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; (iv) The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres; (v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (vi) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical check-up once in six months and necessary medical care/preventive measures undertaken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers should also be adopted; (vii) Implementation of Action Plan on the issues raised during the Public Hearings shall be ensured. The Project Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (viii) Project Proponent has not obtained the necessary permission from the CGWA for intersecting ground water table. The Committee deliberated and is of the view that intersecting the ground water table can only be commence after conducting detailed hydrogeological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (ix) The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon; (x) Main haulage road in the mine



should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust; and (xi) The Proponent shall install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at three locations as per wind direction. Online provisions of pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project Proponent should display the result digitally in front of the main Gate of the mine site.

**(2.28): Mining of River Sand Bajri (Minor Mineral) with proposed production capacity of 33.6 Lakh TPA (ROM) by M/s Manjeet Chawla, located at Revenue village(s) of Tehsil-MalaranaDungar, District-SawaiMadhopur, Rajasthan (MLA: 1054.78ha)- Consideration of EC**

The Proposal was earlier appraised in the EAC meeting held during February 23-25, 2016.

**(2.29): Bajri Mine (Minor Mineral) with production capacity 1.68 million TPA (ROM) by M/s Abhimanyu Chaudhary, located at Revenue Village(s) of Tehsil Bhilwara, District Bhilwara, Rajasthan (MLA: 955.0ha) - Consideration of EC**

The Proposal was earlier placed in the EAC meeting held during August 25-27, 2015 wherein the Committee **recommended** the proposal subject to submission of clarification w.r.t. mining of Bajri in monsoon season. Accordingly the Ministry, vide letter dated 5<sup>th</sup> October, 2005, has requested the PP to submit the clarification. **The information has to be submitted online and it is noted that the same is still awaited from PP.**

**Amendments in Environmental Clearance**

**(2.30): Mudh Fire Clay Mining Project of M/s Shree Ram Mines and Minerals, located in Village Mudh, Tehsil Kolayat, District Bikaner, Rajasthan- Amendment in EC No. J-11015/294/2005-IA.II (M) dated 26<sup>rd</sup> May 2006 w.r.t. reduction of Mine lease area from "54.32 ha to 47.0217 ha".**

The Proposal of M/s Shree Ram Mines and Minerals is for Amendment in EC No. J-11015/294/2005-IA.II (M) dated 26<sup>rd</sup> May 2006 w.r.t. reduction of Mine lease area from "54.32 ha to 47.0217 ha" for Mudh Fire Clay, Mining project. The mine is located at Village-Mudh, Tehsil- Kolayat, District – Bikaner, Rajasthan. The lease area lies between Latitudes & Longitudes 27° 51'2.2"N to 27° 51'14.70"N and 72° 55'33.5'E to 72° 55'23.6'E respectively.

The Environmental clearance has been granted vide letter no No-J-11015/294/2005-IA.II (M), dated 26.05.2006 for over an area of 54.32 ha.

The project proponent during the meeting has informed that the life of mine is 9 years. The **Committee deliberated and noted that as the EC was accorded in 26.05.2006 which may be valid for 9 years i.e. upto 25.05.2015 as the life of mine reported to 9 years.**

**The Committee deferred the proposal and is of the view that the PP shall first submit the details of life of mine as per the mine plan/ mining scheme approved at the time of issuance of EC to consider this amendment proposal.**

**(2.31) Marudhara clay mine of M/s Bikaner Ceramics Pvt. Ltd., located at Village Indo Ka Bala, Tehsil Kolayat, District Bikaner, Rajasthan - Amendment in EC No. J-11015/295/2005-IA.II (M) dated 13<sup>th</sup> September 2006 w.r.t. reduction of Mine lease area from "79.01 ha to 77.7859 ha".**

The proposal of M/s Bikaner Ceramics Pvt. Ltd. is for Amendment in EC No. J-11015/295/2005-IA.II (M) dated 13<sup>th</sup> September 2006 w.r.t. reduction of Mine lease area from "79.01 ha to 77.7859 ha". The mine lease area is located at Village- Indo Ka Bala, Tehsil- Kolayat, District - Bikaner, Rajasthan. The lease area lies between Latitudes: 27°52'25.29' 'N to 27°53'4.03' 'N and Longitudes: 72°57'40.1' 'E to 72°58'07.63' 'E.

The Environmental clearance has been granted, vide letter no No-J-11015/295/2005-IA.II (M), dated 13.09.2006 for over an area of 79.01 ha. The project proponent during the meeting could not provide the details of life of mine. The Committee deliberated and noted that as the EC was accorded in 13.09.2006 and PP could not provide the validity of Life of mine to ascertain the validity of EC. **The Committee deferred the proposal and is of the view that the PP shall first submit the details of life of mine as per the mine plan/ mining scheme approved at the time of issuance of EC to consider this amendment proposal.**

**(2.32): Gur & Radhera Ball Clay and China Clay Mining Project of M/s Bhanwar Sales Corporation, located at Village (s) Gura & Radhera, Tehsil Kolayat, District Bikaner, Rajasthan - Amendment in EC w.r.t. name change from M/s Bhanwar Sales Corporation to M/s Shanta Sales Corporation.**

The proposal of M/s Shanta Sales Corporation is for Amendment in EC w.r.t. name change from M/s Bhanwar Sales Corporation to M/s Shanta Sales Corporation. The mine is located at Village (s) Gura & Radhera, Tehsil Kolayat, District Bikaner, Rajasthan. The lease area lies between Latitudes & Longitudes 27° 54' 00.00' ' N and 72° 49' 00.00'' E respectively.

The Committee noted that the Environmental clearance has been granted vide letter no- J-11015/264/2005-IA.II(M). Dated-28.07.2006 in favour of M/s Bhanwar Sales Corporation for Gur & Radhera Ball Clay and China Clay Mining Project over an area of 102.51 ha.

The Committee deliberated the issue and **deferred** the proposal and is of the view that this is transfer of earlier EC from M/s Bhanwar Sales Corporation to M/s Shanta Sales Corporation and the **project proponent has to submit the application to the Ministry as per the provisions of Rule 11 of the EIA Notification, 2006** along with the (i) a clarification that the lease was transferred in 2008 and the present lessee is operating the mines without transfer of earlier EC (ii) production details certified by Mine and Geology Department, State Government of Rajasthan; (iii) Status of court case, if any, pending against the project; (iv) Copy of Mining Scheme in the name of M/s Shanta Sales Corporation; and (v) Details of life of mine as per the mine plan/mining scheme approved at the time of issuance of EC to check the validity of EC.

**(2.33): Mclellan Iron Ore Mining Project of M/s Steel Authority of India Limited (SAIL), located in Village Chiria, Manoharpur Block, District West Singhbhum, Jharkhand State (MLA: Area:- 823.634ha) regarding : Amendment of EC for extension of validity of road transportation of iron ore by a further period of 5 years**

The MoEFCC has granted Environmental Clearance for the Mclellan Iron Ore Mining Project of M/s SAIL for production capacity of 4.2 million TPA of iron ore vide letter no. J-11015/249/2009/IA-II(M), dated 23.03.2011, allowing road transportation of iron ore initially for a period of maximum 5 years and later by a Conveyor. The instant proposal is for seeking amendment in the Environmental Clearance granted for extension of validity of road transportation of iron ore by a further period of 5 years.

The Project Proponent reported that the Mining operations at Mclellan Mining Lease were suspended since 2005 for want of statutory clearances. The Forest Clearances for the diversion of forest area involved in the mining operations as well as for erection / commissioning of the envisaged Long Distance Belt Conveyor (LDBC) for transportation of iron ore from mines to Manoharpur is awaited. The Stage-II Forest Clearance proposal is under consideration at MoEFCC.

The Committee deliberated the issues on amendments of EC w.r.t. extension of validity of road transportation of iron ore by a further period of 5 years. **The Member Secretary appraised to the Committee that the instant lease area is a part of Saranda Forest in West Singhbhum District for which the Carrying capacity study is awaited from ICFRE.** Based on the discussion held during the meeting, the Committee is of the view that the proposal is **deferred and be considered after Carrying capacity study.**

## Reconsideration of EC Proposals

**(2.34): Sand Mining for the purpose of stowing in underground coal mines in the Riverbed of Ajoy River with proposed production capacity of 2.0 Million Cubic Meters (ROM) per annum by M/s Eastern Coalfields Limited, located at Sanctoria, District(s) : Birbhum and Burdwan, West Bengal (MLA 414.36ha)(Consultant: Central Mine Planning & Design Institute Ltd.)-Re-consideration of EC**

The proposal of M/s Eastern Coalfields Limited is for Sand Mining (Major Mineral) for the purpose of stowing in underground coal mines in the Riverbed of Ajoy River with proposed production capacity of 2.0 Million Cubic Meters (ROM) per annum. The mine lease area is located in Barjora, Rashidpur, Palasdanga, Bolta, Parulboni, Ratanpur, Beldanga, Churur, Nabason, Jamalpur Mouzas of Birbhum District and Ramnagar, Gobindapur, Konda, Bagdiha, Chatrishgonda, Samla, Bhaburia, Deshlopa, Madhaipur, Dalurband, Shyamsundarpur, District(s) Birbhum and Burdwan, West Bengal in MLA 414.36 ha covering 21 stations spread over 30 kms of the Ajoy Riverbed. The mine lease area lies on Ajoy River bed between Latitudes 23<sup>o</sup>41'45" N to 23<sup>o</sup>45'20" N and Longitudes 87<sup>o</sup>11'40" E to 87<sup>o</sup>10'00" E on Survey of India topo-sheet numbers No. 73<sup>M</sup>/2, 73<sup>M</sup>/1, 73<sup>M</sup>/6. The Project is located in Seismic zone-IV.

The Proposal was earlier considered by the EAC in its meeting held during October 26-28, 2015 wherein the Committee deferred the proposal and sought the following information:-

- (i) The Committee noted that the Consultant has not prepared the EIA/EMP Report in-line with the Annexure-III of EIA Notification, 2006. The EIA/EMP report needs to be revised;
- (ii) The Committee noted that the Project Proponent has monitored wrong base line season data and also before issuance of TOR and is of the view the PP shall monitor a complete baseline data as per IMD viz. March – May; October – December; and December – February.
- (iii) As the mine lease located in three Districts, all the proceedings of Public Hearings shall incorporate in the EIA/EMP Report along with their budgetary provisions on the issues raised during Public Hearing;
- (iv) Disaster management plan is not adequate and needs to be revised;
- (v) The EIA/EMP report along with Annexures are not legible;
- (vi) Certified location map and distance certificate from the State Government with respect to protected areas has not been submitted;
- (vii) List of flora/fauna and endangered species are not accurate; Plant species w.r.t. river bed are not explored; and
- (viii) Copy of approved mining plan from the Competent Authority needs to be

submitted.

The Project Proponent has submitted the information online and accordingly the Project is considered in this present meeting. PP has submitted following information:-

- (i) The EIA & EMP Report has been structurally revised in line with the generic structure provided in the Annexure –III of the EIA Notification, 2006 without making any change to the original content.
- (ii) Fresh baseline data for Ambient Air Quality for the period October–December, 2015 (Post – Monsoon) has been generated and the Committee deliberated the same.
- (iii) All the proceedings of Public Hearings incorporated in the EIA/EMP Report along with their budgetary provisions on the issues raised during Public Hearing.
- (iv) A comprehensive Safety and Disaster Management Plan has been prepared and deliberated during EAC meeting.
- (v) The annexures have been resubmitted and the same have been provided with the EIA&EMP Report.
- (vi) It has been certified by the DFO, Durgapur Division that there is no protected area within 10km radius of the project.
- (vii) The list of flora and fauna including plant species w.r.t. the riverbed has been submitted.
- (viii) The Mining Plan has been approved by the Board of Directors, Eastern Coalfields Ltd. on 28<sup>th</sup> July, 2015 which has been empowered by Ministry of Coal to approve mining projects related to mining of Sand as per the Ministry of Coal, notification no. 34012/(9)/2012-CPAM, dated 31<sup>st</sup> May, 2012 and 21<sup>st</sup> March, 2016.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Sand Mining for the purpose of stowing in underground coal mines in the Riverbed of Ajoy River with proposed production capacity of 2.0 Million Cubic Meters (ROM) per annum.**

The Committee **recommended additional specific conditions** viz.(i) **Project Proponent shall decrease / stop the mining of sand, in case the replenishment is lower than the approved rate of production, till the replenishment is completed** (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be

adopted; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; (viii) No mining shall be done within a distance of 7.5 meters from the periphery of agricultural fields if any and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.35): Sand Mining for the purpose of stowing in underground coal mines in the Riverbed of Damodar River with proposed production capacity of 1.5 Million Cubic Meters (ROM) per annum by M/s Eastern Coalfields Limited, located at Sanctoria, District(s)- Bankura, Burdwan and Purulia, West Bengal (MLA 86.58ha) (Consultant: Central Mine Planning & Design Institute Ltd.)-Re-consideration of EC**

The proposal of M/s Eastern Coalfields Limited is for Sand Mining for the purpose of stowing in underground coal mines in the Riverbed of Damodar River with proposed production capacity of 1.5 Million Cubic Meters (ROM) per annum. The mine lease area is located in Gopalpur, Ardhamgram, Gopalganj, Majit, Sahebdanga, Bhara, Anandpur, Ramprasadpur, Baska, Madanpur, Napur, Narayankuri, Sitalpur, Chinakuri and Parebelia Mouzas of Bankura, Burdwan and Purulia District(s) in West Bengal in MLA 86.58ha covering 15 stations spread over 42 kms of the Damodar Riverbed. The mine lease area lies on Damodar River bed between Latitudes 23<sup>0</sup>33'10"N to 23<sup>0</sup>41'30" N and Longitudes 87<sup>0</sup>11'40"E to 87<sup>0</sup>49'10" E on Survey of India topo-sheet numbers No. 73I/14, 73M/2. The Project is located in Seismic zone-IV. It is Category 'A' Project.

The Proposal was earlier considered by the EAC in its meeting held during October 26-28, 2015 wherein the Committee deferred the proposal and sought the following information:-

- (i) The Committee noted that the Consultant has not prepared the EIA/EMP Report in-line with the Annexure-III of EIA Notification, 2006. The EIA/EMP report needs to be revised;

- (ii) The Committee noted that the Project Proponent has monitored wrong base line season data and also before issuance of TOR and is of the view the PP shall monitor complete baseline data as per IMD viz. March – May; October – December; and December – February.
- (iii) As the mine lease located in three Districts, all the proceedings of Public Hearings shall incorporate in the EIA/EMP Report along with their budgetary provisions on the issues raised during Public Hearing;
- (iv) Disaster management plan is not adequate and needs to be revised;
- (v) The EIA/EMP report along with Annexures are not legible;
- (vi) Certified location map and distance certificate from the State Government with respect to protected areas has not been submitted;
- (vii) List of flora/fauna and endangered species are not accurate; Plant species w.r.t. river bed are not explored; and
- (viii) Copy of approved mining plan from the Competent Authority needs to be submitted.

The Project Proponent has submitted the information online and accordingly the Project is considered in this present meeting. PP has submitted following information:-

- (i) The EIA & EMP Report has been structurally revised in line with the generic structure provided in the Annexure –III of the EIA Notification, 2006 without making any change to the original content.
- (ii) Fresh baseline data for Ambient Air Quality for the period October–December, 2015 (Post – Monsoon) has been generated and the Committee deliberated the same.
- (iii) The sand mining leases with respect to Damodar Riverbed are located in three districts and hence three Public Hearings were conducted as details below:-

Sl. No.	District(s)	Name of Mouza	Number of Sand Mining Stations	Date of Public Hearing
1	Bankura	Gopalpur, Ardhagram, Gopalganj, Majit, Sahebdanga, Bhara, Anandpur	7	10th July, 2015

2	Burdwan	Ramprasadpur, Baska, Napur, Madanpur, Narayankuri, Sitalpur, Chinakuri	7	14th July, 2015
3	Purulia	Parebelia	1	24th July, 2015
	Total		15	

The proceedings of the above public hearings have been incorporated in the revised EIA & EMP Report wherein all specific issues have been dealt with along with provisions and time frame. Action plans with budgetary provisions have been submitted.

- (iv) A comprehensive Safety and Disaster Management Plan has been prepared and deliberated during EAC meeting.
- (v) The annexures have been resubmitted and the same have been provided with the EIA&EMP Report.
- (vi) It has been certified by the DFO, Durgapur Division that there is no protected area within 10km radius of the project.
- (vii) The list of flora and fauna including plant species w.r.t. the riverbed has been submitted.
- (viii) The Mining Plan has been approved by the Board of Directors, Eastern Coalfields Ltd. on 28th July, 2015 which has been empowered by Ministry of Coal to approve mining projects related to mining of Sand as per the Ministry of Coal, notification no. 34012/(9)/2012-CPAM, dated 31<sup>st</sup> May, 2012 and 21<sup>st</sup> March, 2016.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Sand Mining for the purpose of stowing in underground coal mines in the Riverbed of Damodar River with proposed production capacity of 1.5 Million Cubic Meters (ROM) per annum.**

The Committee **recommended additional specific conditions** viz.(i) **Project Proponent shall decrease / stop the mining of sand, in case the replenishment is lower than the approved rate of production, till the replenishment is completed** (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production,



River Bank erosion and maintenance of Road etc.; (iv) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; (viii) No mining shall be done within a distance of 7.5 meters from the periphery of agricultural fields if any and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.36): Mining of Ochre, Bauxite and White Earth (Major Mineral) with proposed production capacity of 40,000 TPA (ROM) by Lessee Shri Jai Lal Bharat Lal, located at Village Kumhra (Judwani), District -Rewa, Madhya Pradesh (10.73 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Re-consideration of EC.**

The proposal of Lessee Shri Jai Lal Bharat Lal is for mining of Ochre, Bauxite and White Earth (Major Mineral) with proposed production capacity of 40,000 TPA (ROM). The mine is located at village Kumhra (Judwani), District-Rewa, Madhya Pradesh in the mine lease area of 10.730 ha. The Latitudes and Longitudes of the mine lease area lies between 24°51'32.2" to 24°51'52.8" N; and 81°07'25.1" to 81°07'24.3" E on Survey of India toposheet numbers 63/ H 1. The Project is located in Seismic zone-III. It is a category 'A' project as the mine is located interstate boundary of Madhya Pradesh and Uttar Pradesh within 5 km distance from the mine site and also Ranipur Wildlife Sanctuary 3Km from the Mine lease area.

The Proposal was earlier considered by the EAC in its meeting held during October 26-28, 2015 wherein the Committee deferred the proposal and sought the following information:-

- (i) Project Proponent reported that there are four Schedule-I species namely Fishing cat, Sloth Bear, Python, and Peafowl are reported in the study area. The Committee noted that the Project proponent has not prepared the Conservation Plan adequately along with the budgetary allocation to protect the Schedule species.
- (ii) The Committee noted that the Public Hearing was presided by the representative of District Collector however, the name and designation

of the presiding officer was not mentioned in the Public Hearing proceeding therefore, it is not clear whether the Public Hearing was presided. The Committee also noted that the Project Proponent in the serial No.48 of the questionnaires mentioned the name of presiding officer is Mr. S. D. Valmiki. However, in the proceeding Mr. S. D. Valmiki is the Regional Officer of the MP Pollution Control Board. There is some ambiguities, needs to clarified by the State Pollution Control Board and confirm whether the Public Hearing conducting as per the provisions of the EIA Notification, 2006;

- (iii) The Committee observed that the Project Proponent operated the mine without NBWL Clearance from the Standing Committee of National Board for Wildlife;
- (iv) The Project Proponent has not prepared the Action Plan along with budgetary provision on the issues raised during the Public Hearing;
- (v) Status of mine lease renewal needs to be submitted; and
- (vi) Revised Questionnaire needs to be submitted.

The Project Proponent has submitted the information online and accordingly the Project is considered in this present meeting.

The Committee deliberated at length the information submitted by Project Proponent and **noted that the Project Proponent has not submitted the requisite information.** The Committee concluded **that the Project Proponent needs to resubmit the requisite information and also set right the above deficiencies.** The Committee therefore **deferred** the proposal and will reconsider the Proposal after resubmission.

**(2.37): River Bed Mining Bajri (Minor Mineral) with production capacity of 1.129 million TPA (ROM) by Lessee Shri Ramashankar Gurjar, located at Revenue villages of Tehsil Bansur, District-Alwar, Rajasthan (MLA 1096.56ha).**

The Proposal was earlier considered by the EAC in its meeting held during September 22-24, 2015 wherein the Committee **recommended** the Proposal for Environmental Clearance for Mining of Mineral Bajri with proposed production capacity of 1.129 Million TPA (ROM) subject to the submission of Authenticated location map showing the area within 10 km of mine lease so that exact distance of the Sariska Tiger Reserve can be verified.

The Ministry vide letter dated 02.11.2015 has requested the Project Proponent to submit the information. In this context the PP has submitted the information online. It was noted by the Committee that two blocks namely Hazipur (0.8 km) and Katwaria ka bass (0.75 km) which fall within 1 km of Critical Tiger Habitat have been deleted from recommended proposal. The DFO, Tiger Project Sariska, vide letter dated 14.11.2015 mentioned that the mining activity is prohibited within 1Km radius of critical Tiger Habitat. Also

the Committee deliberated the issue and is of the view that there should be a specific condition in the EC that **"The Mining activity shall be prohibited in two blocks namely Hazipur (0.8 km from Critical Tiger Habitat) and Katwaria ka bass (0.75 km from Critical Tiger Habitat) which is within 1Km radius of critical Tiger Habitat from the mine lease area"**.

**(2.38): River Sand Mining Project (Minor Mineral) (Banas, Berach and Menali River bed) with proposed production capacity of 28.05 Lakh TPA (ROM) by M/s Sanjay Kumar Garg, located at Revenue village(s) of Tehsil-Bijoliya & Mandalgarh, District-Bhilwara, Rajasthan (MLA 1675.85ha) (Consultant: Perfact Enviro Solutions Pvt. Ltd.)- Consideration of EC**

The proposal of M/s Sanjay Kumar Garg is for mining of River Sand (Minor Mineral) with proposed production capacity of 28.05 Lakh TPA (ROM). The mine lease area is located at village(s)-Akoona, Amarpura, Asawari, Bagthala, Barookhera, Bedunda, Bedunda, Beeliya, BhandKaKhera, Bharliya, Bhawani Singh KaKhera, Bilod, Chainpuriya, Chandpura, ChhitarsinghJiKaKhera, Chohli, DauljiKaKhera, Devipura, Gandhari, Gariyan, Gheoriya, Golbari, Gopalpura, Govta, HarisinghjiKaKhera, Hastra, Heengwaniya, Jaliya, Jojwa, Kankoliya, Kanti, KatariyonKaKhera, Khakhunda, Khangarji KaKhera, Khatwara, Khatwara, Kherpura, Lakshmipura, Lodhiyana, MahtajiKaKhera, Moi, Padampura, Panderi, Peethalpura, Phalasiya, Phoolji Ki Kheri, Pratappura, Ralayata, Ramthali, Sand, ShyamGarh, Tahla, ThalKalan, Thalkhurd, Tiroli, Ummedpura Tehsil-Bijoliya& Mandalgarh, District-Bhilwara, Rajasthan in the mine lease area of 1675.85ha. The mine lease area lies on Banas, Berach and Menali River bed.

The Proposal was earlier considered by the EAC in its meeting held during April 29-30, 2015 wherein the Committee deliberated at length the information submitted by PP and **deferred** the decision and desired that Project Proponent shall submit **clarification of Rajasthan State Pollution Control Board w.r.t. rank of officer who presided the Public Hearing as per the provisions of the EIA Notification, 2006.**

The Project Proponent has submitted the information online and accordingly the Project is considered in this present meeting. PP has submitted that the Public Hearing was conducted on 9<sup>th</sup> October, 2015 and presided over by Shri Giriraj Kumar Varma, Additional District Collector, Bhilwara, Rajasthan. The representatives of the Rajasthan State Pollution Control Board were also present. The issues raised during Public Hearing were also considered and discussed during the meeting. Action plan with budgetary allocation has been given against the Points raised in Public Hearing.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for Mining of **Mining of River Sand Bajri (Minor Mineral) with production capacity of 28.05 Lakh TPA (ROM).**

The Committee **recommended additional specific conditions** viz.(i)

Excavation will be carried out up to a maximum depth of 3 m from surface of sand deposit and 1 m above from the water level of the River channel whichever is reached earlier; (ii) **Project Proponent shall decrease/ stop the mining of Bajri, in case the replenishment is lower than the approved rate of production, till the replenishment is completed.** (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; (ix) No mining shall be done within a distance of 7.5 meters from the periphery of agricultural fields, if any; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.39): River Sand Mining with proposed production capacity of 2.80 Lakh TPA (ROM) by M/s Narrotham Singh Jadaun, located at Revenue Villages of Tehsil & District-Rajsamand, Rajasthan (MLA: 489.39ha)-Consideration of EC**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.40): Mining of Bajri (Minor Mineral) with proposed production capacity of 28.05 Lakh TPA (ROM) by lessee Sher Singh Solanki, located at Revenue village(s) of Tehsil-Reodar, District – Sirohi, Rajasthan (MLA 1286ha)-[Consultant:-M/s Perfect Enviro Solutions Pvt. Ltd.]-Re-consideration of EC.**

The Proposal was already considered by the EAC in its meeting held during December 21-22, 2015 wherein the Committee **recommended** the

Proposal for Environmental Clearance for Mining of Bajri (Minor Mineral) with proposed production capacity of 28.05 Lakhs TPA (ROM).

**(2.41): Mining of River Sand Bajri (Minor Mineral) with proposed production capacity of 26.40 Lakh TPA (ROM) by Lessee Shri Bharat Singh Shekhawat, located at Revenue villages of Tehsil – Sirohi, District– Sirohi, Rajasthan (MLA-2527 ha)-[Consultant:-M/s Perfect Enviro Solutions Pvt. Ltd.]-Re-consideration of EC.**

The Proposal was already considered by the EAC in its meeting held during February 23-25, 2016 wherein the Committee **recommended** the Proposal for Environmental Clearance for Mining of River Sand (Bajri) with proposed production capacity of 26.40 Lakh TPA (ROM).

**(2.42): Jhakol Soapstone Mining project (ML No. 12/99) with enhancement of production capacity from 2007 TPA to 17,755 TPA (ROM) by lessee Shri Deepak Sharma, located in Village Jhakol, Tehsil and District Dungarpur, Rajasthan (MLA 193.531 ha) (Consultant: M/s Udaipur Mintech Pvt. Ltd.) – Reconsideration of EC**

The proposal of lessee Shri Deepak Sharma is for Jhakol Soapstone Mining project with enhancement of production capacity from 2007 TPA to 17,755 TPA (ROM) in the mine lease of 193.531 ha. The mine lease is located at Village: Jhakol, Tehsil & District: Dungarpur, Rajasthan. The latitude and longitude of the mine lease area lies between 23°54'38" to 24°55'40" N & 73°44'15" to 73°45'10" E the Survey of India Toposheet No is 46 E/13.

The proposal of TOR was considered by Expert Appraisal Committee meeting during 25-26 August 2009 to determine the ToR for undertaking detailed EIA study. The TOR was issued by MoEF& CC vide letter No vide letter No.-J-11015/220/2009-IA.II (M), dated 11.09.2009. The EIA/EMP Report was submitted on dated 03-02-2012 to Ministry for seeking Environmental Clearance after conducting public hearing.

The proposal was earlier placed in the EAC meeting during April 16-18, 2012 wherein the committee deferred the proposal and sought the following information:-

- (i) Baseline AAQ data should be collected afresh for a period of one month other than monsoon season by proper selection of a monitoring station based on pre-dominant downwind direction, location of sensitive receptors covering the study area.
- (ii) Baseline data on water quality to be furnished.
- (iii) Letter from the Competent Authority in the State Govt. 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.

(iv) Action plan to address the issues raised during public hearing.

The project Proponent, vide letter dated 14.09.2012, has submitted the information and accordingly the proposal was reconsidered in the EAC meeting during January 16-18, 2013 wherein the Committee observed that baseline AAQ data was collected from 15 May-16 June 2012 resulting into overlapping of two seasons (summer and monsoon) and hence the data cannot be considered. It was decided by the Committee to collect one month data for February or March 2013 and submit.

The proposal was again considered by the EAC in its meeting held during June 26-28, 2013 and the Committee had observed that this is a **violation** case as mine continued to operate from July 2000 to March 2004 without obtaining prior environmental clearance. Mine is reported to be closed since 31.3.2004. The Committee noted that the violation action is still pending and the proposal was inadvertently placed in this meeting. The Committee decided to defer the proposal, to be brought back to the Committee after the required action is taken and information as sought by the EAC in January 2013 is submitted.

The Ministry, vide letter dated 19.12.2013, has initiated credible action as per OM dated 12.12.2012 and 27.06.2013. In this context the Project Proponent, vide letter dated 04.02.2016, has submitted the actions on violation. The Rajasthan State Pollution Control Board, vide letter dated 15.12.2014, has filed a court case in the Court of Judicial Magistrate Dungarpur to take cognizance of offence under section 15 of the Environment (Protection) Act, 1986. The Proponent has stated that such violations of Environment (Protection) Act, 1986 will not be repeated in the future, the same has been taken on record. Based on the information submitted by PP, the project is again considered in this present meeting.

Total mining lease area is of 193.531ha. Out of which 37.42Ha is private waste land and 156.11ha is Govt. waste land. Originally the lease was sanctioned to Sh. Nagesh Shriniwas Bhandarkar for an area of 319.431ha for 20 years , vide order no. F-32(58)/70 Date-2.07.1970, Lease Executed on 01.08.1970 which is valid upto 31.07.1990. The PP has surrendered 125.90 ha area, State Government letter No.F-5(260 )Khan/ Group-3/75 dated 30.07.1975. The Lease Area of 193.531 ha was renewed for next 10 Years on 31<sup>st</sup> January 1992. The Lease was transferred to Shri Deepak Sharma, by the State Government, vide letter No.DMG/Dungarpur/CC-2/P.6/89/848-847, dated 18.03.1999. The transfer deed executed on 28.04.1999. The application for 2nd renewal was submitted on 8th July 1999 for a period of next 20 Years. The Department of Mines and Geology vide letter dated 13.02.2015 has extended the lease validity upto 31.07.2020 as per the MMDR Act 2015. The Mining Plan with Progressive Mine Closure Plan has been approved by the Mines and Geology Department, Udaipur. Life of mine is 20 years.

Mining operation will be carried out by semi-mechanized open cast method. Surface level of lease area is 265mRL, present working depth is

255mRL, ultimate depth of working will remain 233mRL. Ground water level is 210-215 mRL from the surface level. The total water requirement is 7.5 KLD including water demand for domestic purpose, dust suppression and plantation which shall be met from a well with in lease area. Mineral will transported through road. The traffic analysis survey reported that 1-2 dumpers will be deployed per day so there will not be much impact increase in traffic at a particular place. There is no National park, Wildlife Sanctuaries, Tiger Reserve falls within the study area.

The base line data was generated for period during December 2010 to February 2011 and February 2013. All parameter for water & air quality is with in permissible limit. Gangri River and Som river are at a distance of about 1.0 km from mine lease. Public hearing was conducted 3<sup>rd</sup> November 2011 at Panchayat Bhawan Gram Panchayat Piploda, District-Dungarpur. The cost of project is Rs. 87.09 lakhs. The Project Proponent has earmarked Rs. 7.5 lakhs per annum towards EMP cost and Rs. 5.0 lakhs per annum will be earmarked for social development activities.

The Committee deliberated at length and the information submitted by PP and **recommended** the Proposal for environmental clearance for **enhancement of production capacity from 2007 TPA to 17,755 TPA (ROM)**.

The Committee also **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; and (iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing center.

## CONSIDERATION OF TOR

**(2.43): Barna Limestone (Burning) mining project (M.L. No.110/1993) with enhancement of production capacity from 6400 TPA (ROM) to 2,70,000 TPA (ROM) by lessee Shri Bankat Lal Modi, located near village Barna, Tehsil Bilara, District Jodhpur, Rajasthan (MLA:66.25 ha) –(Consultant: APEX Mintech Consultants)-Consideration of TOR.**

The proposal of Lessee Shri Bankat Lal Modi is for Barna Limestone (burning) mining project with enhancement of production capacity from 6400 TPA (ROM) to 2,70,000 TPA (ROM). The mine is located at village Barna, Tehsil Bilara, District Jodhpur, Rajasthan in the mine lease area of 66.25 ha. The mine lease area lies between the latitudes of 26°06'35.42" N & 26°07'2.41"N and the longitudes of 73°43'12.16"E & 73°43'57.73"E on the Survey of India Toposheet No. 45F/12 & 45 F/16.

Total mine lease area is 66.25 ha which is classified as Govt. waste land. Mining is proposed to be done by open cast semi-mechanized method by forming 3.00m high benches. Mining is proposed to be done with the help of Hand held rock drills, Hydraulic excavators and Dumpers/ Tippers. The life of the mine is 30 years. Project Proponent reported that initially the lease was sanctioned in the name of Shri Gewar Chand Parihar in the year 1984 for a period of 10 years (w.e.f. 21.1.01984). Subsequently, the mining lease was transferred to Sh. Bankat Lal Modi on the 6<sup>th</sup> of January, 1989. The mining lease was renewed for a period of 10 years, vide order no. ADM/JO/OC/MINOR/M.L.-110/93/1417, dated 5.10.95 [w.e.f. 21.01.94 to 20.01.2004]. The validity of first renewal was extended by a period of 10 years vide order no. 1146, dated 20.9.2002 issued by the Mining Engineer Jodhpur under Govt. notification dated 26.8.1996 and 10.10.1996; thus the renewed lease period stood extended up to 2014. Still further, vide order no. 1341 dated 30.10.2012 issued by the Mining Engineer, DMG, Jodhpur under rule 16(2) of Rajasthan Minor Mineral Concession Rule 1986, the mining lease period was extended by 30 years with effect from 21.01.1994. Thus the lease period stood extended up to 2024. The Mining Plan cum Mine Closure Plan of the mine for a production of 2, 70,000 TPA has been approved vide letter no. SME/JO/CC/Jodhpur/Minor/ML/110/1993/4022, dated 25.6.2015. PP reported that there is no Court case/litigation is pending against the project.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**. Further, the Project Proponent along with EC proposal should also furnish the followings: (i) Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and loss of top soil due to change in topography; (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; and (iii) Impact of all existing mining on the present land use in the study area.



**(2.44): Limestone (Burning) mining project of M/s Vaibhav Enterprises located near village-Ransigaon, Tehsil-Bilara, District-Jodhpur, Rajasthan (MLA 100 ha) -Consideration of TOR**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.45): River Bed Mining of Bajri (Minor Mineral) with proposed production capacity of 2.8 million TPA (ROM) by Lessee Shri Mukesh Sharma, located at near revenue villages of Tehsil – Pidawa, District – Jhalawar, Rajasthan (MLA: 905.206 ha) (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur) -Consideration of TOR**

The proposal of Lessee Shri Mukesh Sharma is for River Bed Mining of Bajri (Minor Mineral) with proposed production capacity of 2.8 million TPA (ROM) in the mine lease area of 905.206ha. The mine is located at revenue Villages of Tehsil – Pidawa, District – Jhalawar. The geographical co-ordinates of the site are Latitudes: 24°09'56.30" to 24°10'03.30"N and Longitudes: 76°02'25.06" to 76°02'41.01" E and is covered by the Survey of India Toposheet No.54D/3 & 54D/4.

The Letter of Intent has been issued by the Joint Secretary Administration, Govt. of Rajasthan in favour of Mr. Mukesh Sharma vide letter no P.2 (1) JHALA/ BAJARI. 2012/ 2245 dated 01.09.2013 for Removal of Bajri (Minor Mineral) from Gair mumkin Nadi, Nallah (as per khasra) in revenue villages. The Mining Plan has been approved by SME, DMG Kota, Rajasthan vide no. SME/ Kota/CC-I/MP/13/6027 dated 31.10.2014.

The working will be carried out by opencast semi-mechanized method as per the approved Mining Plan. The entire lease area is classified as Gair Mumkin Nadi Nalah. The estimated project cost is Rs. 37.0 lacs. Geological Reserves are 21.15 cu.m. and mineable reserves are 20.85 m<sup>3</sup>. Highest elevation is 341.711 MSL and lowest is 320.089 MSL. Total water demand will be 20 KLD. There are no ecological sensitive zones/ area in the study area. Study area falls in seismic one of Zone-II, Low Damage Risk Zone as per BMTPC, Vulnerability Atlas Seismic Zone of India IS: 1893-2002.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**. Further, the Project Proponent along with EC proposal should also furnish the followings: (i) Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and loss of top soil due to change in topography; (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; and (iii) Impact of all existing mining on the present land use in the study area.

**(2.46): Quartz and quartzite mining project of M/s Flex Minerals, located at village Bhivdoni Tahsil Sausar; District – Chhindwara, State-Madhya Pradesh (MLA: 90.067 ha) -Consideration of TOR**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.47): Proposed Dhulkhera Iron Ore Mining and beneficiation project with proposed production capacity of 2.0 million TPA (ROM) of Iron Ore mining; 2.0 of million TPA of beneficiation plant and 0.6 million TPA of Pellet plant by M/s Steel Authority of India Limited, located at village (s)-Aarjiya, Dhulkhera, Jeepiya, Ranigpura, Bhadalikhera, Chhatrikhera & Maalola, Bhilwara, Tehsil and District–Bhilwara, District, Rajasthan (MLA: 871.3861ha)-Consideration of TOR**

The Proposal of M/s Steel Authority of India Limited is for Proposed Dhulkhera Iron Ore Mining and beneficiation project with proposed production capacity of 2.0 million TPA (ROM) of Iron Ore mining; 2.0 of million TPA of beneficiation plant and 0.6 million TPA of Pellet plant. Total mine lease area is 871.3861ha, out of which 102.789ha is forest land. Letter of Intent is issued by the State Government of Rajasthan on 01.07.2015.

The Committee noted that the lease includes the forest land and **PP has not yet applied the Stage I Forest Clearance.** As per the Ministry OM dated 09.09.2011, it is mentioned at para 3 (i), ***“At the stage of consideration of proposals for TOR in respect of the projects involving forestlands, the PP would submit a credible proof in support of the fact that they have already submitted their application to the concerned authority for diversion of forestland involved in the project”.***

The Committee deliberated at length the information submitted by Project Proponent and **noted that the Project Proponent has not submitted the requisite information w.r.t. credible proof in support of application of forest land.**The Committee concluded **that the Project Proponent needs to submit the requisite information.** The Committee therefore **deferred** the proposal till then and will reconsider the Proposal thereafter.

**(2.48): Masonry Stone, Granite and Patti Katla (Minor Mineral) Mine of lessee Shri Suryakant Gadia (ML No. – 3/ 99) with production capacity of Masonry Stone @ 6,25,940 TPA, Patti Katla @ 36,820 TPA and Granite @ 73,640 TPA, located near Village - Gudagodji, Tehsil – Udaipurwati, District – Jhunjhunu, Rajasthan (MLA: 60.8105ha)-(Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of TOR**

The proposal of lessee Shri Suryakant Gadia is for Masonry Stone, Granite and Patti Katla (Minor Mineral) with production capacity of Masonry Stone @ 6,25,940 TPA, Patti Katla @ 36,820 TPA and Granite @ 73,640 TPA. The mine lease is located near Village - Gudagodji, Tehsil – Udaipurwati, District – Jhunjhunu, Rajasthan in MLA of 60.8105ha. The lease area is Govt. waste

land (Gair Mumkin Pahar). The Latitude and Longitude of the mine site are 27°52'43.45" N and 75°31'34.89" E and is covered by Survey of India Toposheet No. 45 M/9.

The mine lease is originally sanctioned in favour of Shri Ram Niranjana Tulsian on 28.03.1975 for an area of 145.6895ha and lease was transferred in favour of Shri Sudhir Kumar Gadia on 18.10.1982. The PP has surrendered the area of 84.875ha, vide State Govt. Order dated 22.12.2003 and retained only 60.8145ha. The mine lease has been transferred in favour of Shri Suryakant Gadia by the State Govt. of Rajasthan, vide Govt. order no. ME/Sikar/ Ri/ Minor/ ML 3/ 99/ 1840, dated 24.07.2004 for an area of 60.8105 ha. The Mining Plan along with Progressive Mine Closure Plan has been approved by Superintending Mining Engineer, Jaipur Circle, Jaipur vide letter no. Aa. Kha.A/ Jai/ Mining Plan/ 363/ 2015/ 553, dated 20.01.2016. The DMG, Sikar, Govt. of Rajasthan have issued a certificate mentioning that the project falls in Aravalli Hill, vide letter no. Kha. A. / Sikar/ Aa. Pra/ Kha. P – 3/ 99 (R)/ 2411, dated 08.07.2014. The letter inter-alia mentioned that this project was granted mining lease prior to 2002 and is not covered by the orders of Hon'ble Supreme Court of India dated 08.04.2005.

Method of mining is a semi-mechanized open cast with maximum bench height of 6.0m and width of the bench will be more than the height. Controlled blasting will be practiced. The life of the mine is 26.79 Years. The total waste generation during the plan period will be 2,75,820 Tonnes. The daily water demand will be 10.0 KLD and met from nearby village through tanker. There is no National Park, Biosphere Reserve, Wildlife Sanctuary etc. within 10 km radius the study area. The Kankariya Block P.F. is situated at a distance of 8.416 km towards SSE within 10 km radius of the ML area. Kantli River is 10.105 km from the ML area in ENE. The total investment for the proposed expansion will be Rs. 1.0 Crore.

Project Proponent has reported that mine is operated since inception and the production details has provided only from 1998-99 to 2011-12. **The Committee is of the view that PP needs to submit the production details since 1993-94 or inception of mine to check the violation, if any, made by the Project Proponent.**

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee deferred the proposal and the same may be considered after submission of production details since 1993-94 or inception of mine from the Department of Mines and Geology, State Government of Rajasthan to check the violation, if any, made by the Project Proponent.**

**(2.49): Quartz & Feldspar mine with enhancement of production capacity from 3,000 TPA to 3,03,200 TPA (ROM) by M/s B.N. Mining Company, located at Village- Pandru, Tehsil- Asind, Dist-Bhilwara, Rajasthan ( MLA 117.75 Ha)-(Consultant: Shivalik Solid Waste Management Ltd.) – Consideration of TOR**

The proposal of M/s B.N. Mining Company is for Quartz & Feldspar mine with enhancement of production capacity from 3,000 TPA to 3,03,200 TPA (ROM) in the mine lease area of 117.75ha. The mine lease area is located at Village- Pandru, Tehsil- Asind, District-Bhilwara, Rajasthan.

The Committee noted that the Ministry has earlier granted Environmental Clearance in 26.02.1999 and during the presentation it observed that the Project Proponent has not done Scientific Mining and instant proposal is the enhancement of 300 times of earlier production. **The Committee is of the view that the project proponent first submits the detailed compliance of earlier EC condition and the types of measures have taken to protect the environment.** PP has also not submitted the production details to verify the violation, if any, done by the PP.

The Committee deliberated at length the information submitted by Project Proponent and **noted that the Project Proponent has not submitted the requisite information and also not filled the Form 1 and PFR adequately.** The Committee concluded *that the Project Proponent needs to submit the requisite information and also set right the above deficiencies.* The Committee therefore **deferred** the proposal till then and will reconsider the Proposal thereafter.

**RECONSIDERATION OF TOR**

**(2.50): Marble Mining with proposed production capacity of 20,000 TPA (ROM) by M/s Supreme Marble and Granite Ltd., located at Village – Vitthaldev, Tehsil & District – Banswara, Rajasthan (Old M. L. No. 199/88 Ren. M.L. No. 07/98) (MLA 0.60ha)-Re-consideration of EC**

The proposal of M/s Supreme Marble and Granite Ltd. is for Vitthaldev Marble Mine with production capacity of 20,000 TPA (ROM) in the mine lease area 0.60ha. The mine is located at Araji No. 6, Village - Vitthaldev, Tehsil & District – Banswara, Rajasthan. The geographical co-ordinates of the site are Latitude: 23°29'44.86" to 23°29'57.18" N and Longitude: 74°20'51.51" to 74°20' 55.99" E and is covered by Survey of India Toposheet No.46 I/7. This is a category 'B' project. As the tenure of SEIAA Rajasthan has expired, the proposal is being examined in the MoEF&CC.

The project was earlier appraised by the EAC in its meeting held during October 27-28, 2014 wherein it was treated as category 'B' project as the SEIAA Rajasthan was not in place. The Committee deferred the proposal and sought the following information and the proposal to be considered without calling the PP after receipt of the information:-

- (i) Year wise production details of minerals since 14.09.2006 duly authenticated by the Mining Department of the State Govt. for further consideration of the proposal;
- (ii) The Committee observed that this is case of 2nd renewal where deemed provisions are not applicable, therefore PP does not have a valid mining lease, as also mentioned in its order by the Hon'ble Supreme Court. Therefore, the PP has to submit express order from the State Government or documents of valid mine lease for further appraisal; and
- (iii) Forests clearance has been accorded for mining of dolomite and marble whereas proposal for EC has been submitted only for marble mine. PP to clarify whether EC for dolomite mine has been obtained or not, if the details of EC. Further, FC clearance is the same for this mine as submitted in other proposal of 0.63ha, but the diverted area as mentioned in FC is 29.5548ha. This needs clarification from PP.

The Ministry, vide letter dated 28.11.2014, has requested the PP to submit the information as sought by the Committee for further consideration. After constitution of SEIAA Rajasthan, the proposal was transferred to SEIAA, Rajasthan. **Now the Project Proponent has requested that as per amendment in EIA Notification 2006 dated 15.01.2016 the total mining lease area falling within 500 meters will be considered as cluster and the lease area more than 50ha falling in cluster will be considered as category 'A' project.**

The PP has reported that the total area falling within 500 meters is 71.3229 ha for which the Ministry has accorded environmental clearance vide letter dated 17.09.2007 for mining of dolomite and as per specific condition No. (iii) the Proponent shall obtain clearance for mining of marble as per the provisions of the EIA Notification, 2006. The DMG, Banswara, State Government of Rajasthan, vide letter dated 30.05.2014, has mentioned that the instant MLA of 0.60ha is located within 500 meter from the periphery of 71.3229ha. The details of leases are:-

S. No.	ML No.	Name of Lessee	Area	Remarks
1.	199/1988	Supreme Marble & Granite Limited	0.60 ha	Marble mine
2.	6/1979	Supreme Marble & Granite Limited	71.3229ha	Dolomite and Marble mine. EC granted by the MoEFCC

The Mining lease area of 0.60ha which is a Forest land. The mining lease was originally sanctioned in favour of Anand Kumar Agarwal in 1979 for a period of 10 years. First renewal was approved for a period of 10 years w.e.f. 09.04.1989 to 08.04.1999. This lease was transferred in favour of Supreme Marble & Granite Limited dated 06.02.1996. Application for second renewal for the period of 20 years w.e.f. 09.04.1999 to 08.04.2019 was submitted on dated 07.04.1998,

renewal is awaited. The Mining Scheme has been approved by Superintendent Mining Engineer, Department of Mines and Geology, Udaipur Circle, Udaipur vide letter no. SME/ UD-Cir/ Mining Plan/ Scheme/ BNS/ F-20/ 09/ 3907-11 dated 16.12.2010. Mining will be carried out through semi - mechanized open-cast method. Blasting will be carried out only as and when required. It was reported by the Project Proponent that total waste of about 1,19,560 MT would be generated during the first five year. The generated waste will be dumped outside the lease area, which will be stabilized by plantation. The total water requirement for the project will be 6.0 KLD, which will be met through tanker supply from nearby villages or mine pit. Life of mine is 14years. It was reported by the PP that Forest Clearance has been obtained vide letter no. F. No. 8-65/ 1997-FC dated 21.02.2014. It was reported by the Project Proponent that there is no court case/ litigation pending against the project. The estimated cost of the project is Rs. 1.0 crore and cost for Environmental Protection Measures are Rs. 1.0 lac as capital cost and Rs. 0.50 lac as recurring cost.

The project proponent has submitted the following information on the query raised by the EAC in its meeting held during October 27-28, 2014:-

- (i) The authenticated production details from the office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/770, dated 18.11.2014 has been submitted which shows that the mining has not commenced during 2006 – 2007 to 2014 – 2015.
- (ii) The office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/770, dated 18.11.2014 mentioned that this mining lease is in possession of the lessee for which renewal application no. 7/1998 is pending with the Mining Department, Danswara of the State Government for want of Environment Clearance. As per RMMCR 1986 Rules 8(2) the lease shall be deemed to have been extended by a further period till final order passed on the renewal application by the competent authority.
- (iii) The office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/770, dated 18.11.2014 mentioned that this mining lease falls overlapping the lease of dolomite mining lease (M.L.6/1979) and renewal application No. 02/1999 having forest land 29.5548ha, for which diversion of Forest land has been granted by the MoEFCC vide letter No. F. No. 8-65/1997-FC, dated 21.02.2014.

The Committee deliberated at length and noted that the EAC was deliberated this project in its meeting held during October 27-28, 2014 wherein the Committee felt that TORs is not required, nor any formal EIA/ EMP is to be prepared in the instant case as well as Public Hearing is not required in light of less impact of the Project activity on environment.

The Committee noted that as per the information provided by the DMG Banswara, vide dated 18.11.2014, **that the instant mining lease falls within the land of dolomite mining lease** having forest land 29.5548 ha for which forest clearance has been already granted by the MoEFCC, vide

letter No. F. No. 8-65/1997-FC, dated 21.02.2014 and environmental clearance vide letter dated 17.09.2007 for mining of dolomite.

The Committee deliberated the issues and **recommended the Proposal for environmental clearance for Mining of Marble (Minor Mineral) with proposed production capacity of 20,000 TPA (ROM).**

The Committee also **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; and (iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre;

**(2.51): Vitthaldev Marble Mine with production capacity of 21,500 TPA of M/s Supreme Marble and Granite Limited [ML No. - 198/ 88 (Old) 06/98 (Renewal)], located at Village – Vitthaldev, Tehsil & District – Banswara, Rajasthan (MLA 0.630 ha) – Re-consideration of EC**

The proposal of M/s Supreme Marble and Granite Limited is for Vitthaldev Marble Mine with production capacity of 21,500 TPA in the mine lease area of 0.630ha. The mine is located at Araj No. – 1, Village - Vitthaldev, Tehsil & District – Banswara, Rajasthan. The geographical co-ordinates of the site are Latitude: 23°29'35.86" to 23°29'39.57" N and Longitude: 74°20' 36.84" to 74°20' 41.98" E and is covered by Survey of India Toposheet No.46 I/7.

The project was earlier appraised by the EAC in its meeting held during October 27-28, 2014 wherein it was treated as category 'B' project as the SEIAA Rajasthan was not in place. The Committee deferred the proposal and sought the following information and the proposal be considered without calling the PP after receipt of the information:-

- (i) Year wise production details of minerals since 14.09.2006 duly authenticated by the Mining Department of the State Govt. for further consideration of the proposal;

- (ii) The Committee observed that this is case of 2nd renewal where deemed provisions are not applicable, therefore PP does not have a valid mining lease, as also mentioned in its order by the Hon'ble Supreme Court. Therefore, the PP has to submit express order from the State Government or documents of valid mine lease for further appraisal; and
- (iii) Forest clearance has been accorded for mining of dolomite and marble whereas proposal for EC has been submitted only for marble mine. PP to clarify whether EC for dolomite mine has been obtained or not, if the details of EC. Further, FC clearance is the same for this mine as submitted in other proposal of 0.60ha, but the diverted area as mentioned in FC is 29.5548ha. This needs clarification from PP.

The Ministry, vide letter dated 28.11.2014, has requested the PP to submit the information as sought by the Committee for further consideration. After constitution of SEIAA Rajasthan, the proposal was transferred to SEIAA, Rajasthan. Now the Project Proponent has requested that as per amendment in EIA Notification 2006 dated 15.01.2016 the total mining lease area falling within 500 meters will be considered as cluster and the lease area more than 50ha falling in cluster will be considered as category 'A' project.

The PP has reported that the total area falling within 500 meters is 71.3229 ha for which the Ministry has accorded environmental clearance vide letter dated 17.09.2007 for mining of dolomite and as per specific condition No. (iii) the Proponent shall obtain clearance for mining of marble as per the provisions of the EIA Notification, 2006. The DMG, Banswara, State Government of Rajasthan, vide letter dated 30.05.2014, has mentioned that the instant MLA of 0.63ha is located within 500 meter from the periphery of 71.3229ha. The details of leases are:-

S. No.	ML No.	Name of Lessee	Area	Remarks
1.	198/1988	Supreme Marble & Granite Limited	0.63 ha	Marble mine
2.	6/1979	Supreme Marble & Granite Limited	71.3229ha	Dolomite and Marble mine. EC granted by the MoEFCC

The Mining lease area of 0.63ha, which is Forest land. The mining lease was originally sanctioned in favour of Anand Kumar Agarwal in 1979 for a period of 10 years. First renewal was approved for a period of 10 years w.e.f. 09.04.1989 to 08.04.1999. This lease was transferred in favour of Supreme Marble & Granite Limited by order no 89/ 2333 dated 02.03.1996. Application for second renewal for the period of 20 years w.e.f. 09.04.1999 to 08.04.2019 was submitted on dated 07.04.1998, renewal is awaited. The Mining Scheme has been approved by Superintendent Mining Engineer, Department of Mines and Geology, Udaipur Circle, Udaipur vide letter no. SME/ UD-Cir/ Mining Plan/ Scheme/ BNS/ F-21/ 09/ 3912-16 dated 16.12.2010. Mining will be carried out through open-cast



semi - mechanized method. Blasting will be carried out only as and when required. It was reported by the Project Proponent that total waste of about 1,51,200 MT would be generated during the first five year. The generated waste will be dumped outside the lease area, which will be stabilized by plantation. The total water requirement for the project will be 6.0 KLD, which will be met through tanker supply from nearby villages or mine pit. Life of mine is 13 years. It was reported by the PP that Forest Clearance has been obtained vide letter no. F. No. 8-65/ 1997-FC dated 21.02.2014. It was reported by the Project Proponent that there is no court case/ litigation pending against the project. The estimated cost of the project is Rs. 1.0 Crore and cost for Environmental Protection Measures are Rs. 1.0 lac as capital cost and Rs. 0.50 lac as recurring cost.

The project proponent has submitted the following information on the query raised by the EAC in its meeting held during October 27-28, 2014:-

- (i) The authenticated production details from the office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/771, dated 18.11.2014 has been submitted which shows that the mining has not commenced during 2006 – 2007 to 2014 – 2015.
- (ii) The office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/771, dated 18.11.2014 mentioned that this mining lease is in possession of the lessee for which renewal application no. 6/1998 is pending with the Mining Department, Danswara of the State Government for want of Environment Clearance. As per RMMCR 1986 Rules 8(2) the lease shall be deemed to have been extended by a further period till final order passed on the renewal application by the competent authority.
- (iii) The office of Mining Engineer, DMG Banswara, vide letter No. ME/BSW/CCI/MRML 198/1988/771, dated 18.11.2014 mentioned that this mining lease falls overlapping the lease of dolomite mining lease (M.L.6/1979) and renewal application No. 02/1999 having forest land 29.5548ha, for which diversion of Forest land has been granted by the MoEFCC vide letter No. F. No. 8-65/1997-FC, dated 21.02.2014.

The Committee deliberated at length and noted that the EAC was deliberated this project in its meeting held during October 27-28, 2014 wherein the Committee felt that TORs is not required, nor any formal EIA/ EMP is to be prepared in the instant case as well as Public Hearing is not required in light of less impact of the Project activity on environment.

The Committee noted that as per the information provided by the DMG Banswara, vide dated 18.11.2014 **that the instant mining lease falls within the land of dolomite mining lease** having forest land 29.5548 ha for which forest clearance has been already granted by the MoEFCC, vide letter No. F. No. 8-65/1997-FC, dated 21.02.2014 and environmental clearance vide letter dated 17.09.2007 for mining of dolomite.

**The Committee deliberated the issues and recommended the Proposal for environmental clearance for Mining of Marble (Minor Mineral) with proposed production capacity of 21,500 TPA (ROM).**

The Committee also **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; and (iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing center.

#### **EXTENSION OF VALIDITY OF TOR**

**(2.52): Ghatkuri -Roam iron ore mine with proposed production capacity of 3.0 Lakh tonnes per annum of Iron Ore (ROM) by M/s Bihar Sponge Iron Ltd., located at Village -Ghatkuri, Tehsil -Manoharpur, District - West Singhbhum of Jharkhand (406.40ha)- Extension of validity of ToR**

The proposal is for extension of validity of TOR. The Ministry had issued TOR to M/s Bihar Sponge Iron Ltd. vide letter no J-11015/22/2013-IA.II (M) dated 14.05.2013. Extension of validity of TOR was requested for one year as final EIA/EMP report is yet to be submitted for the project due to delay in approval of mining plan and conduction of Public Hearing.

The Committee deliberated the issues on extension of validity of TOR. The **Member Secretary appraised the Committee that the instant lease area is a part of Saranda Forest in West Singhbhum District** for which the Carrying capacity study is awaited from ICFRE. Based on the discussion held during the meeting, **the Committee is of the view that the proposal is deferred and be considered after the Carrying capacity study is completed.**

### **Additional items with the permission of the Chair**

#### **(3.1) Dongri Iron Ore Mine of M/s. Godawari Power & Ispat Ltd at Village Kachche, Tehsil Bhanupratappur, Distt. Uttar Bastar (Kanker), Chhattisgarh (106.60 ha to 138.96 ha) with addition of 0.7 MTPA in existing capacity of 0.705 MTPA with total 1.405 MTPA production (Consultant: J.M. EnviroNet Pvt. Ltd).**

The proposal of Ari Dongri Iron Ore Mining Project was for Expansion of Iron Ore Mining Lease Area from 106.60 ha to 138.96 ha and Production Capacity from 0.705 MTPA to 1.405 MTPA, located At Village: Kachche, Tehsil: Bhanupratappur, District: Uttar Bastar Kanker (Chhattisgarh). The Latitudes and Longitudes of the mine site 32.36 ha area are 20° 24' 27" to 20° 24' 54.00" N and 81° 03' 56" to 81° 04' 14.00" E and for mine site for 106.60 ha area are 20° 24' 03" to 20° 24' 54" N and 81° 03' 46" to 81° 04' 34" E. The total mine lease area (including existing 106.60 ha and proposed 32.36 ha) is forest land. Forest Clearance has been obtained for diversion of 106.60 ha of Forest Land for its Ari Dongri Iron Ore Mine of M/s GPIL issued by MoEF (FC Division) vide its letter no 8-5/2007-FC dated 04/08/08. For ML Area: 32.36 ha, proposal has been recommended for I-stage clearance under the provisions of the Forest (Conservation) Act, 1980 for diversion of 32.36 ha of Forest Land vide letter no F. No. 8-36/2012-FC dated 24.01.2013.

The Project was recommended in the EAC meeting held during August 26-27, 2014 and EC was issued on 12.12.2014 with the condition that environmental clearance shall be operative only from the date of execution of amalgamated lease deed. No work preliminary or otherwise should be permitted in 32.36 ha or expansion of production before amalgamated lease deed execution and before submission of approved integrated mine plan of amalgamated area of 138.96 ha.

It was informed by the PP that Mine lease has been amalgamated on 03.09.2015 and mine plan for amalgamated mine lease area of 138.96 ha has been approved vide letter no. KNK/FE/MPLN-1151/NGP dated 03.07.2015 by IBM, Regional Office Nagpur.

The PP vide letter dated 08.10.2015 requested for amendment of EC to install an iron ore crusher of 400 TPH with screening facilities within the mine lease area of 138.96 ha. The PP mentioned that the iron ore crusher was already part of the approved mine plan and installation of iron ore crusher will facilitate to crush the iron ore lumps to sized ore. There will be an additional water requirement of 10 KLD for water sprinkling, control of fugitive emission of the proposed crushing process and additional power of 650 KW. The estimated cost of the proposed project is Rs15.00 crores.

The PP mentioned that following adequate measures are proposed to limit the emission of pollutants within the stipulations of statutory norms.

- (a) There will be no generation of solid waste since the ore is crushed to required size. The fines so generated is being separately stored & transported to our steel plant at Siltara for use in pelletization process.

- (b) Continuous water sprinkling at loading & unloading points, haul roads etc. will be done.
- (c) Adoption of technology like recovery of dust/fines for re-use as raw material in pellet plant will fulfill the twin objectives of material conservation and pollution control.
- (d) Four air monitoring stations are established in core zone area.
- (e) Entire crushing & screening will be done in a closed circuit to eliminate fugitive emission.
- (f) To control the level of pollution, bag filters will also be installed. The vibrating screens will be fitted with bag filters for pollution control. Plantation shall be developed all around the crusher plant.
- (g) No effluent generation from the process.
- (h) Adequate green belt has already been done in and around the existing mining lease area of 106.60 ha.
- (i) The green area development will be as per the proposed programme as given for the mining activities in the amalgamated mine lease area of 138.96 ha.

The proposal was considered in the meeting held during January 20-22, 2016 and after deliberations; the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee:

- (i) The occupational health plan of the workers involved in the mining and crushing activity.
- (ii) Detailed report on dust control measures to be adopted by the PP specific to the mine site.
- (iii) The certified compliance report of the EC granted on 12.12.2014.

On submission of information the proposal was considered in the present meeting the PP submitted detailed report on occupational health with preventive measures for control of dust pollution. The PP submitted that certified copy of the compliance report has been submitted for the EC dated 25.06.2007. The EC granted on 12.12.2014 has recently received the permission to establish and Consent to Operate has been granted on 06.01.2016. Therefore, certified compliance report of the EC granted on 12.12.2014 was not submitted.

The Committee deliberated at length the information submitted by the proponent and the presentation made by the proponent and based on the discussion held the Committee **recommended** the proposal for amendment of Environmental Clearance.

**(3.2) Redi Iron ore Mine of M/s. Gogte Minerals over a lease area of 94.7060 ha which is a private land located in the village Redi, Vengurlataluk, Sindhudurg district of Maharashtra State-regarding TOR.**

The Redi Iron ore Mine of M/s. Gogte Minerals over a lease area of 94.7060 ha which is a private land located in the village Redi, Vengurlataluk, Sindhudurg district of Maharashtra State. The prior Environmental Clearance (EC) was granted for a production of 0.368 MTPA of iron ore from the mine. Based on exploration data and subsequent analysis mineral resources upto 19.283 MT is estimated. It is now proposed to enhance the production to 1.0 MTPA by continuing with mechanized opencast mining without drilling & blasting. The Latitudes and Longitudes of the mine

site 94.7060 ha area: N 15° 43'59.7" to 15° 44'47.6" and E 73° 39' 49" to 73° 41'10.3", Topo sheet No. 48 E/9, 10, 14.

The project is located at 4.5 km by road from Redi port, which is a unique and peculiar characteristic of this project. Due to the location advantage, it is easy to transport iron ore to the prospective buyers by sea route with less load on the environment. This mine is the only major industry in the Redi village and having potential to employ about 140 people as direct employment and also support allied service industry, thereby reducing the migration of people to metros to seek employment.

The ML area and its study area of 10 km do not fall in any wild life sanctuary, eco-sensitive areas. A small part of S.No. 234 (old) of ML comes under CRZ, however, approval from MCMZA for mining activity has been obtained vide their letter No. MCZMA 2009/CR 73/TC-3 dated 06.01.2010. Water Requirement is 212 KLD of pit water & 8 KLD domestic from water treatment plant.

It is reported by the project proponent that there is no court case / litigation is pending against the project and no national park, wildlife sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). The estimated cost of the Project is 450 lacs.

The Project Proponent mentioned that they had started collection of base line data since March 2016 and requested to monitor the baseline data on pre-monsoon season i.e. March-May 2016. The Committee deliberated the issues and based on the request made by the Project Proponent w.r.t. collection of base line data, the Committee agreed for the same.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**Meeting ended with the vote of thanks to the Chair.**

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**Standard Terms of Reference (TOR)**

- 1) Year-wise production details since 1994 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 came 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, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) 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.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass

- preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps 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.
  - 12) 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 contrary 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.
  - 13) 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) should be indicated. A copy of the forestry clearance should also be furnished.
  - 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
  - 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
  - 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. 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.
  - 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site 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, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
  - 18) A detailed biological study of 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, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such 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 alongwith budgetary provisions 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.
  - 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.

- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season) ; December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled 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. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should be given.
- 23) 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.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) 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.
- 28) 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. The



- Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. 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.
- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
  - 30) 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.
  - 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of 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. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
  - 32) 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 incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
  - 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
  - 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
  - 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
  - 36) Public health implications 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 allocations.
  - 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
  - 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
  - a) All documents to be properly referenced with index and continuous page numbering.
  - b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
  - 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 devised earlier by the Ministry shall also be filled and submitted.
  - f) 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 4<sup>th</sup> August, 2009, which are available on the website of this Ministry, should be followed.
  - g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC 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 again with the revised documentation.
  - h) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
  - i) 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.

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**List of Participants**

1.	Dr.Ajai Kumar	Chairman
2.	Shri B Ramesh Kumar	Member
3.	Prof. Dr. K.S. Rana	Member
4.	Dr. Tushar Kant Joshi	Member
5.	Shri Santosh Gupta	Member
6.	Dr. Hemant Sahastrabudde	Member
7.	K.S Yadav, Representative of Mines Ministry	Member
8.	Shri V.K. Soni Representative of IMD	Member
9.	Dr U. Sridharan	Member Secretary

**List of Representative of the Project Proponents**

1. Representative of **M/s Department of Industries and Commerce**
2. Representative of **M/s Smt. Asha Rani Dang**
3. Representative of **M/s Jaypee Himachal Cement Plant**
4. Representative of **M/s Ambuja Cements Ltd.**
5. Representative of **M/s Mohammadi Minerals**
6. Representative of **M/s My Home Industries Limited**
7. Representative of **M/s R. S. S. Durga prasad & Fatechand Narasingdas**
8. Representative of **M/s Om Minerals**
9. Representative of **M/s UltraTech Cement Ltd.**
10. Representative of **M/s Sri Balaji Works**
11. Representative of **M/s The Hutti Gold Mines Co. Ltd**
12. Representative of **M/s The Hutti Gold Mines Co. Ltd**
13. Representative of **M/s Shri Gautam Singh**
14. Representative of **M/s Vaishnav Granites**
15. Representative of **M/s Sudhir Granites**
16. Representative of **M/s Namratha Granites**
17. Representative of **M/s Isha Granites**
18. Representative of **M/s Divya Granites**
19. Representative of **M/s Bharathi Granites**
20. Representative of **M/s Aditya Rocks**
21. Representative of **M/s. Godawari Power & Ispat Ltd**
22. Representative of **M/s. Gogte Minerals**
23. Representative of **M/s Jharkhand State Mineral Deve. Corporation Ltd**
24. Representative of **M/s Garhwal Mandal Vikas Nigam Ltd**
25. Representative of **M/s. J.K. Lakshmi Cement Ltd.**
26. Representative of **M/s Manjeet Chawla**
27. Representative of **M/s Abhimanyu Chaudhary**
28. Representative of **M/s Shree Ram Mines and Minerals**
29. Representative of **M/s Bikaner Ceramics Pvt. Ltd.**
30. Representative of **M/s Bhanwar Sales Corporation**
31. Representative of **M/s Steel Authority of India Limited (SAIL)**
32. Representative of **M/s Eastern Coalfields Limited**

33. Representative of **Lessee Shri Jai Lal Bharat Lal**
34. Representative of **Lessee Shri Ramashankar Gurjar**
35. Representative of **M/s Sanjay Kumar Garg**
36. Representative of **Lessee Sher Singh Solanki**
37. Representative of **Lessee Shri Bharat Singh Shekhawat**
38. Representative of **Lessee Shri Deepak Sharma**
39. Representative of **Lessee Shri Bankat Lal Modi**
40. Representative of **M/s Vaibhav Enterprises**
41. Representative of **Lessee Shri Mukesh Sharma**
42. Representative of **Lessee Shri Suryakant Gadia**
43. Representative of **M/s B.N. Mining Company**
44. Representative of **M/s Supreme Marble and Granite Ltd**
45. Representative of **M/s Bihar Sponge Iron Ltd.**

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